

# 50 godina visokoškolskog obrazovanja u području građevinarstva u Splitu : 1971-2021

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SVEUČILIŠTE U SPLITU,  
FAKULTET GRAĐEVINARSTVA,  
ARHITEKTURE I GEODEZIJE  
UNIVERSITY OF SPLIT,  
FACULTY OF CIVIL ENGINEERING,  
ARCHITECTURE AND GEODESY

# 2021

**50 GODINA  
VISOKOŠKOLSKOG  
OBRAZOVANJA  
U PODRUČJU  
GRAĐEVINARSTVA  
U SPLITU**

**50 YEARS  
OF HIGHER  
EDUCATION IN  
THE FIELD OF CIVIL  
ENGINEERING  
IN SPLIT**



**Sveučilište u Splitu**  
**Fakultet građevinarstva,**  
**arhitekture i geodezije**

University of Split  
Faculty of Civil Engineering,  
Architecture and Geodesy



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Fakultet građevinarstva,  
arhitekture i geodezije  
University of Split, Faculty of  
Civil Engineering, Architecture  
and Geodesy

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# 50 GODINA VISOKOŠKOLSKOG OBRAZOVANJA U PODRUČJU GRAĐEVINARSTVA U SPLITU

# 50 YEARS OF HIGHER EDUCATION IN THE FIELD OF CIVIL ENGINEERING IN SPLIT

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Undergraduate University Study of Civil Engineering - Baccalaureus/Baccalaurea in Civil Engineering
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Professional Study of Civil Engineering - Baccalaureus/Baccalaurea in Civil Engineering
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Professional Study of Civil Engineering - Baccalaureus/Baccalaurea in Civil Engineering
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Graduate University Study of Architecture - Magistar/Magistra in Architecture and Urban Planning
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Undergraduate University Study of Architecture - Baccalaureus/Baccalaurea in Architecture and Urban Planning
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## Uvodna riječ Dekana Dean's introduction

prof. dr. sc. Nikša Jajac  
dekan / Dean



Monografija pred Vama jezgrovit je iskaz iznimno bogatog dosadašnjeg djelovanja našeg Fakulteta. Ovaj predgovor moj je pokušaj njegova dodatnog sažimanja u svrhu Vašeg postupnog uvođenja u sadržaj i tematiku obrađenu u Monografiji. Trajna i društveno značajna ostvarenja uglavnom započinju i provode se radi nekog višeg cilja i opće dobrobiti. Proces doseganja takvog cilja nerijetko je trajna aktivnost, izazov s brojnim produktima. Gotovo u pravilu jedan je od produkata generiranje osjećaja časti samih izvršitelja procesa. Tako je bilo i još uvijek jest i u ovom našem izazovu, procesu razvoja Fakulteta. Naime, izuzetna je čast kad nekome društvo podari mogućnost aktivnog sudjelovanja u njegovu razvoju, posebno ako ga zaduži za osmišljavanje tog razvoja, kako u fizičkom, graditeljskom, tako i intelektualnom aspektu. Upravo takav rad, rad s mladima i njihovu izgradnju u inženjere građevinarstva, a time i izazove izgradnje tada užurbano rastućeg grada prihvatili smo objeručke. Odvažna je to bila odluka, a opravdanje danog nam povjerenja bila je i ostaje velika obveza. Zbog toga posebno je zadovoljstvo zaključiti i ovom monografijom predstaviti pola stoljeća dug i uspješan razvoj i prijenos graditeljske znanstvene i stručne misli ostvaren na našem Fakultetu.

Mudročću tadašnjeg vodstva Grada i uz pomoć zagrebačkih kolega započeta je izgradnja suvremenog hrama graditeljskog znanja Splita i Dalmacije, a njegovi zaposlenici i studenti gradili su Grad i Fakultet gradeći sebe. Studij i znanstveno-istraživački rad u području građevinarstva pokrenuo je visokoškolsku djelatnost Fakulteta postavši čvrst temelj i trajni pokretač njegova razvoja do danas. Trajnu opredijeljenost razvoju graditeljstva Fakultet je potvrdio nesebičnom uspostavom studija arhitekture i urbanizma prije skoro 20 godina kad je ostvareno i prostorno širenje Fakulteta dogradnjom postojećih objekata, odnosno studija geodezije i geoinformatike prije 10 godina. Ostvaren je i zaokružen tako graditeljski triptih.

Stalna želja za ostvarenjem i osiguranjem konkurentnosti naših znanstvenika, posebno danas unutar europskog istraživačkog prostora, te želja za ravnomjernim istraživačkim iskorakom Fakulteta u svim područjima studijskog djelovanja rezultirala je najvećim znanstveno-infrastrukturnim projektom od njegova osnutka, projektom uspostave jedanaest istraživačkih cjelina i jednako toliko suvremeno opremljenih specijaliziranih laboratorijskih istraživačkih je-

The Monograph standing before you concisely represents our Faculty's extensive and long history and activity. This Introduction is yet another attempt at its conciseness so as to ease the readers smoothly into the subjects dealt with in the Monograph. Long-lasting and socially relevant achievements usually start with a higher cause in one's mind and are carried out for the greater good. Achieving such a cause often amounts to ongoing activity and meeting and rising to challenges with numerous outcomes. Most often, the feeling of pride is an outcome felt by all those who partake in similar endeavors. It has been so with this challenge of ours, too – the development of the Faculty. It is indeed a great honor when one has the opportunity to influence first-hand the growth and expansion of the Faculty, especially if one is bestowed upon to design its physical, structural, and intellectual spheres and characteristics. We took upon ourselves wholeheartedly precisely this kind of work: the work with young people and their development into full-fledged (civil) engineers, along with the challenges of the once fast-growing city. It was a bold decision at the time, and living up to society's expectations was, and still is, our continuing obligation. Therefore, it is my utmost pleasure to present and conclude half-a-century-long and successful development and transfer of scientific and professional thought in civil engineering at our Faculty.

Supported by the wisdom of the former leaders of Split, and helped by our colleagues from Zagreb, the construction of a contemporary temple of the civil engineering knowledge of Split and Dalmatia began. At the same time, its employees developed and constructed the City and the Faculty by developing their skills and knowledge. The established studies and research in civil engineering at the Faculty set higher education activities in motion, thus becoming a firm foundation and a continuing driving force of its progress. The Faculty upheld its permanent commitment to the development of civil engineering by establishing the Studies of Architecture and Urban Planning almost twenty years ago and by simultaneously expanding and upgrading the existing Faculty premises. Moreover, the Faculty founded the Studies of Geodesy and Geoinformatics ten years ago, thereby accomplishing and completing an architectural triptych.

Our continued tendency for ensuring our researchers' competitiveness, particularly within the current Euro-

dinica namijenjenih ostvarenju njihova istraživačkog rada. Radi osiguranja održivosti osmišljena je i formalno provedena organizacijska transformacija Fakulteta u suvremenu, konkurentnu, fleksibilnu i projektno orijentiranu akademsku instituciju. Vlastitim snagama i voljom i europskim novcem tako su ojačani stari temelji i uzdignuti novi stupovi razvoja generacija studenata, znanstvenika te znanstvene i nastavne djelatnosti na području Splita i Dalmacije u narednim dekadama. Preduvjet je to i stabilna osnova za nastup na globalnoj, prije svega europskoj sceni.

Rezultati rada naših studenata i profesora odavno su nadišli granice Grada i Dalmacije postavši priznati i neizostavni sastavni dio znanstvene, umjetničke i stručne misli te graditeljskih djela Republike Hrvatske, Europe i svijeta. Osmišljavati i realizirati graditeljska djela i znanstvene graditeljske spoznaje te hrabro i nesebično ih dijeliti s kritičkom javnošću, posebno stručnom i političkom, bio je i ostao trajni izazov i put kojem smo se posvetili. Upravo ovi rezultati pokazatelj su dosadašnje uspješnosti i ostvarene kvalitete Fakulteta, a transformirana organizacijska struktura i reorganizacija procesa znanstveno-istraživačkog, nastavnog i stručnog rada osnova su daljnjeg razvoja u trajno promjenjivoj okolini. Promjena koju je Grad potaknuo uspostavljanjem Fakulteta nakon pola stoljeća rezultirala je Institucijom koja je svojim djelovanjem Grad postavila na mapu konkurentnih znanstveno-istraživačkih i nastavnih graditeljskih centara, kako našeg Sveučilišta i domovine, tako i Europske unije i svijeta.

Kako smo postali što sto smo danas i, najvažnije, tko su ljudi koji su prije navedeno osmislili i ostvarili predstavljeno je na stranicama koje ovom predgovoru slijede. Dosadašnje dekansko iskustvo vođenja Fakulteta obvezuje me posebno istaknuti doprinosi Jakova Jakše Miličića, Jakova Škomrlja, Ante Mihanovića, Dušana Marušića, Pavla Marovića, Roka Andričevića, Bernardina Peroša, Alena Harapina i Borisa Trogrlića, dekana čiju ostavštinu s posebnim poštovanjem baštini. Poput mojih prethodnika obnašanje dužnosti dekana našeg Fakulteta shvaćam kao služenje studentima, zaposlenicima, Splitu, Dalmaciji i domovini Hrvatskoj te se u ime svih nas ovim putem zahvaljujem svima od četiri stotine bivših i sadašnjih zaposlenica i zaposlenika, više stotina bivših i sadašnjih suradnika i suradnica te suradnih tvrtki i institucija, a nadasve svima od četiri tisuće četiri stotine devedeset dva diplomirana studenata i studentice što ste nam svatko na svoj način pomogli i pomažete u građenju Fakulteta. Neka nam je svima sretno prvih 50 godina.

pean research milieu, and the wish for a balanced research expansion of the Faculty in all teaching and study areas, resulted in the largest infrastructural project since the foundation of the Faculty. The project's main task was to establish eleven scientific research units and as many supporting specialized laboratory units furnished with cutting-edge equipment.

To fulfill sustainability goals, we designed and formally implemented an organizational transformation of the Faculty into a modern, competitive, flexible, and project-oriented academic institution. Supported by our local forces and the European funds, we have reconstructed old foundations and erected new pillars of knowledge, as it were, to serve the future generations of students, teachers, and scientists in the area of Split and Dalmatia in the decades to come. Finally, we see this transformation as a prerequisite for participating and competing in the global and especially European academic and scientific community.

The results of our students' and professors' work have long reached beyond the boundaries of our City and Dalmatia, becoming an acknowledged and inevitable part of the Croatian, European, and world research, artistic, and professional ideas and achievements. To design and construct buildings, as well as scientific theories and knowledge, and to share them eagerly with the critical public, notably professional and political, has always been our commitment, priority, and an ongoing challenge. Consistent with those commitments, our results bear witness to the success we have had so far in attaining and enhancing the quality of the Faculty's outputs. The transformed organizational structure and the reorganization of the teaching, research, and profession-oriented work process are the foundation of our future progress in a permanently developing environment. The transformation that initiated with the establishment of our Faculty half a century ago resulted in an institution that set the City of Split on a map of highly competitive civil engineering research and teaching centers, not only within the borders of our country but also in Europe and the world.

The pages to follow will offer a more detailed overview of how we have become what we are today and, most importantly, who the people conceiving, accomplishing, and promoting the abovementioned were. Here, I wish to mention the former Deans whose legacy and contributions to this Faculty I remember with the utmost respect and appreciation: Jakov Jakša Miličić, Jakov Škomrlj, Ante Mihanović, Dušan Marušić, Pavao Marović, Roko Andričević, Bernardin Peroš, Alen Harapin, and Boris Trogrlić. As my predecessors did, I, too, believe the Dean's duties and responsibilities are serving the students, faculty staff and employees, the City of Split, Dalmatia, and our country. Therefore, on behalf of all the previous Deans, I wish to express gratitude to all of our four hundred former and current employees, several hundreds of former and present partners and associates, and partner companies and institutions. Above all, I wish to thank our four thousand four hundred and ninety-two graduates who, each in their particular manner, have contributed to the development of this Faculty. May we all have a happy first fifty years!



# KROZ POVIJEST FGAG-A

## HISTORICAL OVERVIEW OF FCEAG

# Kronološki pregled razvoja FGAG-a

## Timeline of FCEAG

Fakultet je od svog osnutka prošao intenzivan razvoj, od Odjela Građevinskog fakulteta Zagreb, za prve dvije godine studija građevinarstva, tijekom 40 godina razvio se u Fakultet građevinarstva, arhitekture i geodezije sa sedam studijskih programa preddiplomskog, diplomskog i poslijediplomskog studija. Neki su datumi obilježili taj put, a navedeni su u ovom kratkom kronološkom pregledu.

The Faculty has undergone intensive development since its foundation. From a Department of the Faculty of Civil Engineering in Zagreb offering only courses for the first two years of Civil Engineering Studies, over the period of 40 years, it developed into the Faculty of Civil Engineering, Architecture and Geodesy offering 7 study programs with undergraduate, graduate and postgraduate studies. Several dates marked that path of transformation, and they are given in this brief chronological overview.

**1971. - 11. X.**

Početak rada Odjela Građevinskog fakulteta Zagreb – u Splitu / Start of operations of the Department of Faculty of Civil Engineering Zagreb in Split

**1976. - 26. X.**

Otvorenje zgrade A Fakulteta / Opening of building A of the Faculty

**1977. - 01. I.**

Osnovan Fakultet građevinskih znanosti – integracijom Odjela GF-a Zagreb u Splitu i Zavoda IGH / The Faculty of Civil Engineering was founded by the integration of the Department of the Faculty of Civil Engineering Zagreb and the Croatian Civil Engineering Institute (IGH)

**1978. - XI.**

Otvorenje zgrade B Fakulteta / Opening of building B of the Faculty

**ak. god. 1985./86.**

Početak Stručnog studija, tzv. VI. stupanj / Initiation of Professional Civil Engineering Studies, the so-called '6th level'

**1991. - 01. VII.**

Osnovan Građevinski fakultet Sveučilišta u Splitu / Faculty of Civil Engineering, University of Split, was founded

**ak. god. 1991./92.**

Početak poslijediplomskog znanstvenog studija građevinarstva: Konstrukterski smjer, Hidrotehnički smjer, Prometno-geotehnički smjer / Initiation of a graduate degree program in Civil Engineering with three specializations (Structural Engineering Specialization, Hydrotechnical Engineering Specialization, Traffic and Geotechnical Specialization)

**2003. - 28. X.**

Osnovan Građevinsko-arhitektonski fakultet u Splitu / The Faculty of Civil Engineering and Architecture is Split is founded

**ak. god. 2003./04.**

Početak rada studija arhitekture / Start of operations of the Architectural study

**ak. god. 2005./06.**

Početak studija prema Bolonjskom procesu / Study programs began to be taught according to the Bologna Process

**2006. - 21. IV.**

Otvorenje zgrade C Fakulteta / Opening of C building of the Faculty

**ak. god. 2006./07.**

Početak poslijediplomskog studija za stjecanje stupnja doktora znanosti prema Bolonjskom procesu / Initiation of postgraduate studies in Civil Engineering in accordance with the Bologna Process

**ak. god. 2010./11.**

Početak rada studija geodezije i geoinformatike / Initiation of Geodesy and Geoinformatics Studies

**2011. - 01. VI.**

Osnovan Fakultet građevinarstva, arhitekture i geodezije / The Faculty of Civil Engineering, Architecture and Geodesy was founded



# Uprave Fakulteta Faculty's management

**Voditelji studija /**  
Head of studies:

**1971. - 1974.** prof. dr. sc. **Ivo Petković**  
prof. dr. sc. **Vasilije Andrejev**

**1974. - 1977.** prof. dr. sc. **Jakov Miličić**

**Dekani i prodekani /**  
Deans and Vice Deans:

**1977. - 1983.** prof. dr. sc. **Jakov Miličić**, dekan / Dean  
prodekani / Vice Deans (1977. - 1981.):  
prof. dr. sc. Vinko Jović  
prof. dr. sc. Božo Vrdoljak  
prof. dr. sc. Ognjen Bonacci  
prodekani / Vice Deans (1981. - 1983.):  
prof. dr. sc. Jakov Škomrlj  
prof. dr. sc. Tanja Roje-Bonacci

**1983. - 1987.** prof. dr. sc. **Jakov Škomrlj**, dekan / Dean  
prodekani / Vice Deans:  
prof. dr. sc. Tanja Roje-Bonacci  
prof. dr. sc. Ante Mihanović

**1987. - 1996.** prof. dr. sc. **Ante Mihanović**, dekan / Dean  
prodekani / Vice Deans (1987. - 1991):  
prof. dr. sc. Zdravka Božikov  
prof. dr. sc. Pavao Marović  
prodekani / Vice Deans (1991. - 1996.):  
prof. dr. sc. Jure Margeta  
prof. dr. sc. Pavao Marović  
prof. dr. sc. Dušan Marušić

**1996. - 2000.** prof. dr. sc. **Dušan Marušić**, dekan / Dean  
prodekani / Vice Deans:  
prof. dr. sc. Jure Margeta  
prof. dr. sc. Tanja Roje-Bonacci  
prof. dr. sc. Slobodan Šestanović

**2000. - 2006.** prof. dr. sc. **Pavao Marović**, dekan / Dean  
prodekani / Vice Deans:  
prof. dr. sc. Predrag Mišćević  
prof. dr. sc. Željana Nikolić  
prof. dr. sc. Bernardin Peroš  
prof. dr. sc. Slobodan Šestanović  
prof. dr. sc. Darovan Tušek

**2006.-2007.** Prof. dr. sc. **Roko Andričević**, dekan / Dean  
rodekani-ce / Vice Deans:  
prof. dr. sc. Zdravka Božikov  
prof. dr. sc. Snježana Knezić  
prof. dr. sc. Darovan Tušek  
prof. dr. sc. Bernardin Peroš

**2007. - 2010.** prof. dr. sc. **Bernardin Peroš**,  
v.d. dekan / Acting Dean  
prodekan-ice / Vice Deans (2007. - 2008.):  
prof. dr. sc. Zdravka Božikov  
prof. dr. sc. Snježana Knezić  
prof. dr. sc. Darovan Tušek  
prodekani / Vice Dean: (2008. - 2010.):  
prof. dr. sc. Vesna Denić-Jukić  
prof. dr. sc. Snježana Knezić  
prof. dr. sc. Darovan Tušek  
prof. dr. sc. Alen Harapin

**2010. - 2014.** prof. dr. sc. **Alen Harapin**, dekan / Dean  
prodekani / Vice Deans (2010. - 2012.):  
prof. dr. sc. Vesna Denić-Jukić  
prof. dr. sc. Hrvoje Gotovac  
prof. dr. sc. Tea Duplančić Leder  
izv. . dr. sc. Robert Plejić  
prof. dr. sc. Bernardin Peroš  
prodekani / Vice Deans: (2012. - 2014.):  
prof. dr. sc. Mirela Galić  
prof. dr. sc. Hrvoje Gotovac  
prof. dr. sc. Tea Duplančić Leder  
izv. . dr. sc. Robert Plejić  
prof. dr. sc. Boris Trogrlić

**2014. - 2018.** prof. dr. sc. **Boris Trogrlić**, dekan / Dean  
prodekani / Vice Deans (2014. - 2016.):  
prof. dr. sc. Mirela Galić  
prof. dr. sc. Ivica Boko /  
doc. dr. sc. Veljko Srzić  
prof. dr. sc. Hrvoje Gotovac  
prof. dr. sc. Ivana Racetin  
prof. art. Ante Kuzmanić

**2018. - 2021.** prof. dr. sc. **Nikša Jajac**, dekan / Dean  
prodekani / Vice Deans:  
izv. prof. dr. sc. Ivo Andrić  
dr. sc. Martina Baučić  
prof. dr. sc. Alen Harapin  
prof. art. Neno Kezić  
izv. prof. dr. sc. Neno Torić  
izv. prof. dr. sc. Nikolina Živaljić

# Kroz povijest FGAG-a riječima bivših dekana Historical overview of FCEAG by former deans



prof. dr. sc. **Jakov Miličić**,  
osnivač Fakulteta,  
dekan od 1977. do 1983. /  
*Founder of the Faculty,*  
*Dean 1977 - 1983*

Negdje do 1965. godine državna zajednica ex. Jugoslavija bila je iz više razloga vrlo zatvorena prema svijetu. Od toga vremena počinje postupno otvaranje, a time i značajan rast ukupnih potreba i mogućnosti gospodarstva i društva. To je postavljalo i izuzetne zadatke pred građevinarstvo koje je, kao specifično organizirana snaga gospodarstva, moralo odgovoriti velikim i novim izazovima u svim područjima građevne djelatnosti.

U tim uvjetima naglo naraslo graditeljstvo Dalmacije, ali istovremeno i specifično dobro organizirano, imperativno je iskazivalo potrebu za školovanim kadrovima kao pretpostavci daljnjeg razvoja. Tako se rađala i rodila ideja o započinjanju visokoškolske aktivnosti u Splitu što je moralo rezultirati novim fakultetski obrazovanim kadrovima za gospodarstvo i za društvenu nadgradnju.

Proces, međutim, nije mogao ići napredak! Postojala su pravila koja su se morala poštovati. Važno je znati da je u to vrijeme u okviru Republike Hrvatske postojalo samo Sveučilište u Zagrebu, a samo je ono moglo odobriti otvaranje novog Fakulteta. U jesen 1970. godine u posjetu Splitu bio je, danas nažalost pokojni, naš veliki akademik Ivan Supek u svojstvu Rektora Zagrebačkog sveučilišta. U kontaktu s vodstvom Grada, uz puno međusobno razumijevanje, dogovoreno je sve potrebno za aktiviranje procesa osnivanja jezgre visokoškolske institucije za građevinarstvo u Splitu. Dogovoreni su i detalji procesa osnivanja Sveučilišta u Splitu. Nakon ovoga uslijedili su dogovori s vodstvom Građevinskog fakulteta u Zagrebu i usuglašeno je da se u Splitu otvori Odjel zagrebačkog Građevinskog fakulteta koji bi u tom svojstvu djelovao za prve dvije godine studija, a onda bi se studij nastavljao u Zagrebu. Ovo je trebalo trajati sve dok Odjel u Splitu ne osnaži i ne krene samostalnim putem. Program djelovanja svih aktera dogovoren je precizno i konkretno. Na osnovi dogovora grad Split se 12. 4. 1971. pismom

Until circa 1965, state union of ex. Yugoslavia was for many reasons closed to the world. However, from that time onwards, it started to open gradually and along with it the significant increase of demands and possibilities of both our society and our economy. This placed extreme tasks in front of civil engineering which, as a specifically organised economical strength had to answer to great new challenges in all aspects of civil engineering.

In these conditions, rapidly grown civil engineering in Dalmatia which was at the same time specifically well organised, showed the need for highly schooled staff as the foundation for further development. Hence the idea was born to start higher education activity in Split which ultimately had to result with new Faculty educated staff for economic and social improvement.

This process could not have been performed hastily. There were rules which had to be followed. It is important to know that at that time, only University in the Republic of Croatia was the University of Zagreb and it was the only one with power to approve the opening of a new Faculty. In the fall of 1970, late member of the academia, the great Ivan Sopek was visiting Split as the Rector of the University of Zagreb. In his contacts with the City leaders, with mutual respect and understanding, all necessary actions were agreed on to activate the process of founding the core of a higher education institution for civil engineering in Split. Furthermore, details of the process to found the University of Split were also agreed on. Agreements with the management of the Faculty of Civil Engineering in Zagreb followed and it was determined that Split will open a Department of the Faculty of Civil Engineering Zagreb and which would act in that sense for the first two years of study after which students would continue on in Zagreb. This was supposed to go on until the Department in Split was strong enough to act individually. Program of operations was agreed upon

obratio Građevinskom fakultetu u Zagrebu molbom da poduzmu mjere za ozvaničenje odluka o osnivanju Odjela. Građevinski fakultet Zagreb to je i uradio na osnovi čega je Skupština općine Split sklopila tzv. Samoupravni sporazum s Građevinskim fakultetom u Zagrebu o osnivanju Odjela u Splitu. Konačno, kao ključni dokument Građevinski fakultet Zagreb donio je odluku o osnivanju Odjela u Splitu. Nastava je počela 11. listopada 1971. godine. Ovaj je proces tekao bez zastoja zahvaljujući izuzetno požrtvovnom stavu Građevinskog fakulteta u Zagrebu s naglaskom na zalažanje dekana pok. prof. Zlatka Kostrenčića te posebno prof. emerit. Veselina Simovića.

Važnost koju je Građevinski fakultet Zagreb, kao matična veličina, pridavao razvoju Odjela u Splitu, ogleda se i u činjenici da je svoje ponajbolje nastavnike orijentirao na pomoć u nastavnom razvoju i snaženju Odjela. Dugujemo trajnu zahvalnost svima, a posebno Vicku Šimiću, Aleksandru Kiričenku, Ottu Werneru, Milutinu Anđeliću, Vilimu Korošecu, Kseniji Horvatić, Mati Sršenu, Vuku Milčiću, Juri Radiću i Dragi Horvatiću.

Odjel se postupno razvijao. Bio je izuzetno podržan od strane Zajednice obrazovanja građevinara Dalmacije na čelu s pok. Mirom Matošićem. Na čelu Odjela bio je pok. profesor Vasilije Andrejev, a od jeseni 1974. godine na to je mjesto imenovan prof. Jakša Miličić. Krajem te 1974. godine, nakon kratke procedure, i nakon projekta arhitekta Kolje Kuzmanića, s GP Lavčević ugovorena je izgradnja prvog objekta za potrebe Fakulteta. U jesen 1976. godine aktiviran je prvi objekt Odjela, odnosno Fakulteta, a otvorena je i treća godina studija. Drugi objekt Fakulteta građen je tijekom 1978. i useljen krajem te godine. Od početka 1977. godine Odjel je prerastao u Fakultet koji je od svog osnutka djelovao pod vlastitim krovom. Naglašavam brzinu i kvalitetu rada izvođača uz izuzetno nisku cijenu izvođenja. Nezaobilazna uloga u tome pripada direktoru "Lavčevića" pok. Anti Begi.

Kako su paralelno tekli vrlo zanimljivi integracijski procesi u visokom školstvu građevinara u Hrvatskoj, uključujući i Institut građevinarstva Hrvatske, s početkom 1977. godine na javnoj sceni pojavio se Građevinski institut kao jedinstvena organizacija nastala integracijom Građevinskog fakulteta Zagreb, njegovih Odjela u Splitu i Osijeku, Građevinskog fakulteta Rijeka i Instituta

in great detail. Based on the agreement, City of Split sent a written request to the Faculty of Civil Engineering in Zagreb on April 12th 1971 asking for measures to be taken to formalise the decision to establish the Department. Faculty of Civil Engineering acted upon that letter and based on their actions General assembly of the Municipality of Split concluded a so called Autonomous agreement with the Faculty of Civil Engineering in Zagreb on the establishment of a Department in Split. Finally, as the key document, Faculty of Civil Engineering Zagreb brought forth a decision to establish a Department in Split. Classes started on October 11th 1971. This process was uninterrupted thanks to the very devoted attitude of the Faculty of Civil Engineering in Zagreb with special note to the commitment of the Dean, late prof. Zlatko Kostrenčić and especially prof. Emerit Veselin Simović.

Importance that the Faculty of Civil Engineering in Zagreb, as the master unit, gave to the development of the Department in Split is also noticeable in the fact that it oriented its best professors towards helping the educational development and strengthening of the Department. We owe our eternal gratitude to everyone, especially Vicko Šimić, Aleksandar Kiričenko, Otto Werner, Milutin Anđelić, Vilim Korošec, Ksenija Horvatić, Mate Sršen, Vuk Milčić, Jure Radić and Drago Horvatić.

Department developed gradually. It was significantly supported by the Association for the education of civil engineers of Dalmatia which was headed by late Miro Matošić. Late professor Vasilije Andrejev was the Head of the Department and as of autumn of 1974 professor Jakša Miličić was appointed to that position. At the end of 1974, after a brief procedure and after the design of architect Kolja Kuzmanić, construction of the first object for the needs of the Faculty was contracted with GP Lavčević. In the fall of 1976, first building of the Department (or Faculty) was activated and the 1st year of Study was open. Second object of the Faculty was constructed during 1978 and it was moved into by the end of the year. From the beginning of 1977, Department grew into a Faculty which conducted its programs under its own roof since the very beginning. I would like to point out the speed and the quality of work of all the contractors with a very

građevinarstva Hrvatske. Ta nova institucija u svom je sastavu imala četiri fakulteta koji su se nazivali Fakultet građevinskih znanosti sa sjedištima u Zagrebu, Splitu, Rijeci i Osijeku. Tako je nakon šest godina postupnog sazrijevanja konačno nastao Fakultet građevinskih znanosti u Splitu.

Fakultet se razvijao na filozofiji jedinstva znanstvenog, nastavnog i stručnog rada. Mora se navesti da je ovaj proces imao kroz čitavo vrijeme nastajanja nepodijeljenu podršku građevne privrede Dalmacije. Za naglasiti je da je taj privredi upravo ovakav Fakultet trebao ne primarno, a još manje isključivo, zbog školovanja kadrova, trebao joj je kao specifični promotor ukupnog kretanja i razvitka. Fakultet je bio izraz razine zrelosti građevne privrede.

Fakultet je kadrovski i materijalno snažio tako da je vlastitim prihodom nabavljao i plaćao opremu koja mu je trebala, ali i vrlo uspješno rješavao stambene probleme svojih zaposlenika. Naročito je mnogo ulagao u školovanje kadrova i njihovo znanstveno napredovanje. Tijekom prvih desetak godina postojanja probio se u red vodećih građevinskih fakulteta u bivšoj državi.

low cost of construction. Person who had the most influence on that was the director of Lavčević, late Ante Bego and his role cannot be forgotten.

Since very interesting integration processes were happening in the higher education of civil engineers were happening in parallel in Croatia, including the Croatian Institute of Civil Engineering, in the beginning of 1977, Institute of Civil Engineering emerged on the scene as a unique organisation developed with the integration of the Faculty of Civil Engineering in Zagreb, its Departments in Split and Osijek, Faculty of Civil Engineering in Rijeka and the Croatian Institute of Civil Engineering. This new institution had 4 Faculties in its system which was called Faculty of Civil Engineering Sciences with headquarters in Zagreb, Split, Rijeka and Osijek. So, after 6 years of maturing, Faculty of Civil Engineering Sciences in Split was finally established.

Faculty was developing on the philosophy of the unity of scientific, teaching and professional operations. It must be noted that this process had the full support of the civil engineering industry of Dalmatia throughout the process of its establishment. It should also be mentioned that this industry needed such a Faculty not primarily, and not exclusively for educational purposes, it needed it as a specific promoter of entire development. Faculty was above the level of maturity of the entire civil engineering industry.

Faculty financially and professionally strengthened in the way that it acquired and paid for necessary equipment from its own profits but it also successfully resolved the housing needs of its employees. It invested a great deal into educating its staff and their scientific progress. Through its first 10 years of existence, Faculty became one of the leading Civil engineering faculties in the former country.



prof. dr. sc. **Jakov Škomrlj**  
dekan od 1983. do 1987.  
Dean 1983 – 1987

Kolega Škomrlj bio je dekan u periodu kad je Fakultet već oformljen, ali koji je još uvijek bio u fazi sazrijevanja i afirmacije. Bilo je jasno programirano ono što se namjeravalo postići u afirmaciji pojedinaca i Fakulteta, posebno onoj znanstvenoj, uz djelotvornu aplikaciju znanstvenih spoznaja u nastavne procese. Međutim, istovremeno je, u skladu s maksimum jedinstva znanstvenog, nastavnog i stručnog rada, trebalo nalaziti elastične i održive okvire velikog angažmana najboljih nastavnih kadrova u stručnim poslovima u gospodarstvu. Naime, vodeći ljudi iz nastavnog procesa na Fakultetu bili su u isto vrijeme i najtraženiji stručnjaci u rješavanju zadataka gospodarstva. Vodstvo Fakulteta, posebno dekan, morali su voditi računa o tim situacijama koje su znale biti i vrlo suptilne, ali biti i izvor mogućih nesporazuma.

To je bio i period organiziranog doškolovanja mladih kadrova, nosilaca procesa rada. Trebalo je doseći više razine školske spreme. Međutim, akcent je bio na politici znanstvenog napredovanja. U pravilu su svi troškovi tog procesa plaćani iz sredstava Fakulteta. U takvim uvjetima ni dekanu, a ni drugim rukovodiocima, nije bilo lako organizirati i voditi nastavne procese tako da se realiziraju u svojoj punini.

Inače, rad je bio usmjeren na procese razvoja zavoda kao operativnih jedinica. Posebno mjesto pripadalo je razvoju primjene elektroničke opreme u najširem smislu. Suradnja s građevnom privredom bila je trajna značajka rada posebno radi unapređenja nastavnih sadržaja i procesa, a sve radi djelotvornijeg rada gospodarstva.

prof. dr. sc. Jakov Miličić

Our colleague Škomrlj was the acting Dean in the period when this Faculty was already established but still on its affirmation path. Goals were clearly defined and programmed especially in the scientific affirmation of individuals and the Faculty with effective implementation of scientific cognitions into teaching processes. However, at the same time, in accordance with the unity maxim if scientific, teaching and professional work, flexible and sustainable framework had to be found for great engagement of teaching staff in professional works in the economy. Because, leading professors that were participating in the teaching process at the Faculty were also sought after experts when it came to solving tasks in the economy. Management of the Faculty, especially the Dean had to take these situations into account especially since they were quite subtle but were known to be a source of possible misunderstandings.

This was a period of continuation of education of young staff members, carriers of our work process. Higher levels of education had to be reached, however accent was placed on the politics of scientific advancement. In general, all costs of this process were covered by Faculty's funds. In these conditions, it was not easy for the Dean, or other members of management to organise and carry out teaching processes in such manner that they are realised in their entirety.

Otherwise, work was focused on development processes of institutes as operating units. Special attention was given to the development of the implementation of electronic equipment in its widest sense cooperation with the civil engineering industry was a continuous attribute of all operations especially when it came to advancing teaching contents and processes for more efficient activities in economy.

prof. dr. sc. Jakov Miličić



prof. dr. sc. **Ante Mihanović**,  
dekan od 1987. do 1996. /  
Dean 1987 – 1996

Razvojni procesi na Fakultetu u dekan-skim mandatima 1987.-1996. bili su veoma burni u svakom pogledu. U tom je periodu započeo Domovinski rat, osnovana je samostalna Republika Hrvatska, napušteno je samoupravno socijalističko uređenje i uvedeno demokratsko višestranačko društvo i tim slijedom donesen niz novih zakona koji su se odnosili i na područje znanosti i visokog obrazovanja. Izravna posljedica zakonskih odredbi 1991. godine bila je razdvajanje tadašnjeg Fakulteta građevinskih znanosti na novi Građevinski fakultet i Institut građevinarstva Hrvatske, poslovni centar Split. U mandatu 1987.-1989. Fakultetom je upravljao Poslovodni odbor od tri člana, a jedan od njih bio je dekan. U tom mandatu kompletirana je nastava na sve tri godine stručnog studija, tzv. VI. stupanj, danas stručni studij građevinarstva, koji je započeo ak. god. 1985./86. U naredne dvije godine došlo je do razdvajanja tadašnjeg Fakulteta, silom zakona. Taj je korak podrazumijevao potpuno novo ustrojstvo, odvajanje nužnog znanstveno-nastavnog kadra kao i podjelu prostora financija i opreme. Proces je znatno opterećivao dekana, upravu kao i sve djelatnike novoustrojenog Fakulteta. Potpuni proces razdvajanja prostora i opreme okončan je tek 1997. godine.

Paralelno s prethodnim procesima odvijala se još jedna vrlo značajna aktivnost u vidu podrške opstojnosti Građevinskog fakulteta Sveučilišta u Mostaru. Ratnim stanjem u Bosni i Hercegovini i samom Mostaru bila je ugrožena opstojnost Građevinskog fakulteta razdvajanjem nastavnika i nemogućnosti fizičkog boravka u gradu. Sav nedostajući nastavni kadar, gotovo 2/3, tada je popunjen putovanjima s fakulteta iz Splita, a sama se nastava niz godina odvijala u Neumu, da bi se nakon stišavanja ratnog stanja vratila u Mostar. Podrška splitskog Fakulteta u nastavnom dijelu se postupno smanjivala, ali dijelom traje i danas, 2021. godine. U nastavnom procesu ak. god. 1991./92. načinjen je sljedeći značajan korak - stjecanje licence i otvaranje prvog poslijediplomskog znanstvenog studija za magistra znanosti. Prvi magistri tehničkih znanosti promovirani su 1993. godine. S početkom školske godine 1993./94. dobivena je licenca za postizanje doktorata znanosti iz područja građevinarstva, čime je Fakultet stekao i potpunu formalnu zrelost posjedovanjem licenci za sve stupnjeve obrazovanja. Glavnu ulogu

The Dean's mandates between 1987 and 1996 were, in many ways, marked by turbulent developments at the Faculty. This was the time when the Homeland War started, the Republic of Croatia emerged as a sovereign state on the world map, and socialism was renounced in favor of a democratic, multi-party system. These political changes brought about an array of new legislation regarding science and higher education. As a direct result of the new laws in 1991, the former Faculty of Civil Engineering branched into a new Faculty of Civil Engineering and the Croatian Institute of Civil Engineering, Business Unit Split. In the 1987-1989 mandate, the Faculty was coordinated by a Management Board that consisted of three members, including the Dean. During this mandate, in the academic year 1985/86, classes were completed and initiated on all three years of the Professional Studies (the so-called 6th degree), or what is nowadays referred to as the Professional Studies of Civil Engineering. In the next two years, due to new laws, our Faculty was split into different units. This step meant a complete reorganization of the system and the separation of the necessary scientific-teaching staff, space, finances, and equipment. This change put significant demands on the Dean, Management, and all employees of the newly established Faculty. The division of space and equipment was completed only in 1997.

In parallel with the events mentioned above, another very significant activity was taking place. Our Faculty actively supported the Faculty of Civil Engineering of the University of Mostar to ensure its continuity in turbulent times. Amid the fury of war in Bosnia and Herzegovina, the professors of the Faculty of Civil Engineering in Mostar were prevented from moving freely around the town, which put the existence of the entire Faculty on the line. All the temporarily vacant professor positions, almost two-thirds of them, were filled in by professors commuting from Split. Classes were even held in Neum (a nearby town) for several years only to return to Mostar after the war events subsided. The support of the Split Faculty gradually decreased but still continues to a certain extent.

Regarding the educational process, another significant step was taken in the academic year 1991/92. The Faculty obtained a permit to open the first postgraduate

na tom putu imao je prethodni kontinuirani kvalitetni razvojni put jer je osigurao relevantan znanstveno-nastavni kadar potreban za dosizanje tog tada visokog cilja. Prvi doktorant na Fakultetu promoviran je 1996. godine. Svakako treba ponoviti da su to bile godine Domovinskog rata u kojima su i materijalni uvjeti bili vrlo skromni.

Kao tadašnji dekan zahvalan sam svim djelatnicima i studentima na požrtvornosti, strpljivosti, skromnosti i disciplini prikladnoj za tako teška vremena. Za naglasiti je da je čitav niz nastavnika i studenata aktivno sudjelovao u Domovinskom ratu.

scientific studies leading to the Master of Science degree. First Masters of Technical Sciences were promoted in 1993. At the beginning of the academic year 1993/94, the license was obtained for the doctoral degree program in Civil Engineering, thus bringing the Faculty to its full formal maturity with authorizations for all education levels. The key in this unfolding of events was continuous, high-quality work that produced the relevant scientific and teaching staff needed to attain this goal. The Faculty conferred the first doctor of science title in 1996. It should be noted once more that these were the years of the Homeland War in which material conditions were very scarce.

As a Dean in those times, I wish to thank all the Professors and students for their devotion, patience, humbleness, and discipline appropriate at such difficult times. Notably, many Professors and students actively participated in the Homeland War.



prof. dr. sc. **Dušan Marušić**,  
dekan od 1996. do 2000. /  
Dean 1996 – 2000

Temeljna aktivnost Fakulteta u mandatom razdoblju 1996. – 1998. godine i 1998. – 2000. godine bila je usmjerena na unaprjeđenje nastavnog i znanstvenog rada. Promjene nastavnih planova i programa bilo je nužno provesti s obzirom na izmjenu tehnologije u struci kao i napredak znanosti u oblasti graditeljstva. Smatrali smo da je došlo vrijeme kako bismo nove nastavne planove i programe mogli prihvatiti s obzirom na to da smo tada imali vlastite kadrove – nastavnike koji su mogli iste uspješno provesti.

U navedenom razdoblju na Građevinskom fakultetu obrazovali su se diplomirani inženjeri građevinarstva i inženjeri građevinarstva. Isto tako na Fakultetu je izvođena nastava na više usmjerenja magistarskog studija kao i doktorskog studija u području građevinarstva. Reprodukcijska vlastitog znanstveno-nastavnog kadra bila je temeljna pretpostavka daljnjeg uspješnog razvoja Fakulteta.

Godine 1998. Znanstveno - nastavno vijeće GF-a pokrenulo je postupak osnivanja studija arhitekture u Splitu. Inicijativu je svesrdno prihvatilo Sveučilište u Splitu na čelu s tadašnjim rektorom prof. dr. sc. Ivom Babićem, a kasnije i rektorom prof. dr. sc. Ivanom Pavićem.

Inicijativa u prvo vrijeme nije bila podržana u krugovima arhitekata, a posebno joj nisu bili skloni neki istaknuti arhitekti u gradu Splitu. Ipak, ključna je bila podrška Znanstveno-nastavnog vijeća Arhitektonskog fakulteta Sveučilišta u Zagrebu na čelu s dekanicom prof. dr. sc. Hildegard Auf Franić koje je podržalo osnivanje studija arhitekture u Splitu uz preporuku da studij već u startu bude samostalan te da ima prepoznatljivu fizionomiju. Ovo će se kasnije pokazati ključnim stavom posebno kod dobivanja dopunske za otvaranje ovog studija.

Pored kadrova – nastavnika trebalo je osigurati i druge temeljne preduvjete za otvaranje ovog studija. Jedan od važnijih bio je i prostor. Stoga je Fakultet otpočeo s realizacijom treće faze izgradnje (zgrada C). Za realizaciju navedenog objekta ('rohbau izvedba') zaslužni su najviše zaposlenici Fakulteta koji su dio svojih prihoda nesebično odvajali za izgradnju. Veći dio sredstava osiguralo je resorno Ministarstvo, a zahvalnost dugujemo i IGH-u poslovnom centru Split na čelu s direktorom Žarkom Deškovićem, dipl. ing.

Advancing teaching and scientific work were priorities in the 1996 – 1998 and 1998 – 2000 mandates. Changes in curricula and study programs were essential considering the advancements in science and changes in technology taking place in the civil engineering industry. We believed that the time had come to adopt new curricula, given that we had staff and professors capable of successfully implementing the changes.

In this period, the Faculty educated what we today know as masters in civil engineering and professional (vocational) bachelors in civil engineering. Furthermore, the graduate program offered several possible specializations, and some courses were available on the postgraduate (doctoral) studies. The production of our quality teaching staff was paramount to the successful future development of the Faculty.

In 1998, the Scientific and Teaching Board of the Faculty initiated a procedure for establishing Architecture Studies in Split. The University of Split, its then Rector, Professor Ivan Babić, and his successor, Professor Ivan Pavić, warmly accepted the initiative.

Initially, members of the architecture milieu, especially some prominent architects in Split, did not endorse this initiative. However, the support of the Scientific and Teaching Board of the Faculty of Architecture in Zagreb, headed by its Dean, Professor Hildegard Auf Franić, was decisive in the course of the events. The Board championed the establishment of a degree program in architecture in Split, stating that it should be an autonomous institute with distinct characteristics from the very beginning. This attitude will later prove crucial, especially in obtaining a license to open this study program.

Apart from the staff, i.e., professors, other basic requirements had to be met to open the architecture studies. Premises were one of them. The Faculty then undertook the third construction phase (the C building). The Faculty employees deserve the most credit for constructing the premises (its shell construction) since they selflessly gave a percentage of their income to that end. However, the Ministry allocated most of the funds, and we also owe our gratitude to the Croatian Civil Engineering Institute's Business Center Split

građ. koji je prihvatio dio naših obveza pri realizaciji. No, smatram kako najveće zasluge za osnivanje Studija arhitekture u Splitu pripadaju prof. dr. sc. Darovanu Tušku i prof. dr. sc. Ivani Šverko koji su velikim zalaganjem i entuzijazmom obavili najteži dio posla oko ustrojstva i pripreme što je kasnije omogućilo uspješan početak ovog studija.

Povodom 20 godina Građevinskog fakulteta Sveučilišta u Splitu i 26 godina visokoškolskog obrazovanja građevinara u Splitu (1971. – 1977. – 1997.) 1997. godine izdana je i prva monografija Fakulteta.

Napisao prof. dr. sc. Dušan Marušić za monografiju 40 godina fakulteta

and its manager Žarko Dešković, M.Sc., who took over a part of our obligations during construction. However, I believe the most deserving people for establishing Architecture Studies in Split go to Professor Darovan Tušek and Professor Ivana Šverko. They took over the lion's share of the work regarding the preparation and establishment of the Studies, and it was their enthusiasm and commitment that later enabled its successful start.

In the celebration of the 20th anniversary of the Faculty of Civil Engineering in Split and 26 years of higher education of civil engineers in Split (1971-1977-1997), we published our first Monograph of the Faculty in 1997.

Written by prof. dr. sc. Dušan Marušić for a 40-year faculty monograph



prof. dr. sc. **Pavao Marović**  
Dekan od 2000. do 2006.  
Dean 2000 – 2006

U hrvatskom visokoškolskom i znanstveno-istraživačkom okružju, gdje su promjene vrlo česte, razdoblje od šest godina predugo je, a da ne bismo doživjeli mnogobrojne promjene. Ovom prigodom prisjetit ću se nekih najznačajnijih i najvažnijih za povijest našega Fakulteta. Konačno je završeno razdvajanje od Građevinskog instituta: u potpunosti je isplaćena zgrada B tako da smo u njoj na dva kata uredili kabinete za nastavnike i tri seminarske dvorane, a u prizemlju i podrumu laboratorijske prostora. Ujedno je i podijeljena zgrada i zemljište Hidrotehničkog laboratorija u Žrnovnici. Glede prostorne infrastrukture, završeni su obrtničko-zanatski radovi u zgradi C. Opreмили smo je namještajem te smo dobili deset kabineta za nastavnike i deset učionica, od kojih su tri računalne, a jedna videokonferencijska, veliki amfiteatar od 160 mjesta i knjižnicu s prostorom za učenje i arhiviranjem knjiga.

Nakon nekoliko pokušaja u zadnjih tridesetak godina, napokon smo, uz ne-sebičnu pomoć kolega s Arhitektonskog fakulteta iz Zagreba, otvorili studij arhitekture. Ukupni broj upisanih studenata prvi je put prešao tisuću redovitih studenata. Ujedno je i broj diplomiranih studenata građevinarstva prvi put prešao godišnji prag od 50 studenata, dok je broj ukupno zaposlenih prešao 100. Pristupom Bolonjskoj deklaraciji sve studije ustrojili smo po tzv. bolonjskom načelu. Ovaj je proces logistički i materijalno bio potpomognut jednim TEMPUS projektom na kojem su surađivala sva četiri hrvatska građevinska fakulteta kao i osam europskih sveučilišta. Usprkos brojnim negotovanjima i kompromisima, ovaj je posao, mogao bih kazati, odrađen vrlo odgovorno i uspješno jer izvedbeni planovi i programi do današnjeg dana nisu doživjeli značajnije promjene. Sve ovo, kao i još mnogo toga što ovdje nije spomenuto zbog ograničenog prostora, ne bi bilo moguće bez velike pomoći i suradnje skoro svih djelatnika našeg Fakulteta na čemu im ovom prigodom najsrdačnije zahvaljujem.

In the Croatian higher-education and scientific-research environment, where changes are frequent, six years is too long to go without experiencing many changes. I will take this opportunity to remember some of the most significant ones for the history of our Faculty. We finally completed the separation from the Croatian Institute of Civil Engineering; the B building was paid off in full, so we furnished three professors' cabinets, two seminar halls on two floors, and laboratory and library premises in the basement. Furthermore, the building and land of the Hydrotechnical Laboratory in Žrnovnica were divided. As far as spatial infrastructure is concerned, all craftwork were finished in the C building. We furnished the C building and got ten cabinets for professors and ten classrooms, out of which three serve as computer rooms, and one is a video conference room. Further, we got a sizeable, 160-seat auditorium and a library with a study area and book archive.

After several attempts over thirty years, and with the selfless help from our colleagues from the Faculty of Architecture in Zagreb, we finally opened Architecture Studies. For the first time, there were more than a thousand full-time students enrolled at our Faculty. Furthermore, the number of graduated civil engineers surpassed the regular annual threshold of fifty students, and we had more than a hundred employees. With the adoption of the Bologna educational framework, we organized all our study programs according to the so-called Bologna principle. This process was both logistically and materially helped by a TEMPUS project on which all four Croatian Civil Engineering Faculties cooperated with eight European Universities. Despite numerous compromises and objections, I dare say this task was carried out very responsibly and successfully because detailed plans and programs laid out at the time have not experienced any significant changes to this day. All of this, along with many other things not mentioned here due to space limitations, would not have been possible without the great help and support of almost the entire Faculty staff. I take this opportunity to express my heartfelt thanks and gratitude to all of them.



prof. dr. sc. **Roko Andričević**,  
dekan od 2006. do 2007. /  
Dean 2006 – 2007

Proslava 50 godina postojanja visokoobrazovne institucije svakako predstavlja značajnu obljetnicu kada se trebamo prisjetiti prošlosti, ali još više definirati misiju i viziju našeg Fakulteta kako bismo spremno dočekali budućnost i neke nove obljetnice. Moji prethodnici, kao i nasljednici na poziciji dekana, svojim su predanim radom doprinijeli razvoju i unaprjeđenju Fakulteta te uz mnoge druge djelatnike utkali stazu napretka ove institucije.

U zadnjih desetak godina svjedoci smo velikih i značajnih promjena u sustavu visokog obrazovanja u Hrvatskoj i svijetu. Znanstvena, nastavna i stručna djelatnost poprimila je nove oblike razvoja prvenstveno kroz raspoloživost EU fondova te značajnom internacionalizacijom Sveučilišta i njegovih sastavnica. Završetak projekta INFRA, jednog od najznačajnijih projekata u povijesti Fakulteta, predstavlja prekretnicu u razvoju naše institucije te obvezuje sadašnju, ali i buduće Uprave na redefiniranje misije i vizije Fakulteta.

Uređenjem i rekonstrukcijom laboratorija u Splitu i Žrnovnici stvorene su pretpostavke za novi razvoj Fakulteta uz podizanje prepoznatljivosti, konkurentnosti i kompetitivnosti na mapi hrvatskih, europskih i svjetskih sveučilišta. Postaviti temelje takvom razvoju nije lagan i jednostavan zadatak, ali uložena sredstva za znanstvenu infrastrukturu obvezuju nas na dodatni napor i konceptijski preustroj rada u području znanosti, nastave i inženjerske struke.

Jedan od najvažnijih budućih koraka sigurno će biti meritokratski razvoj ljudskih potencijala i internacionalizacija Fakulteta kako bi naš razvoj bio prepoznat u europskom istraživačkom prostoru. To će zahtijevati napuštanje nekih prošlih paradigmi u biranju kadrova i definiranju prioriteta u razvoju Fakulteta. Ja se toplo nadam da će buduće Uprave imati dovoljno snage i znanja, uz neizbježnu pomoć svih ostalih djelatnika, da se uhvate u koštac s novim trendovima razvoja visokoobrazovnih institucija i time omogućiti prosperitet našeg Fakulteta u godinama koje slijede.

The celebration of fifty years of activity of a higher education institution is indeed a special anniversary when we ought to remember our past, but, more importantly, we should define the mission and vision of our Faculty to prepare for the future and anniversaries to come. My predecessors and successors, Deans, with their committed hard work, contributed to the Faculty's growth and progress, thus paving the way to the success of this institution together with many other employees.

We have witnessed radical transformations in the higher education system in Croatia and the world in the past ten years. Scientific, teaching, and professional work has gained new driving force and incentives through the EU funds and international cooperation of the University and its Faculties. The conclusion of one of the most relevant projects in the history of the Faculty – the INFRA project – marks a turning point in the development of our institution. It obliges both our current and following Managements to redefine the mission and vision of the Faculty.

With the reconstruction and refurbishment of the Faculty Laboratories in Split and Žrnovnica, we have created prerequisites for gaining new momentum and increasing the Faculty's visibility and competitiveness on the map of the Croatian, European, and world Universities. To lay the foundations for such progress is not a simple task. However, the funds invested in the scientific infrastructure oblige us to make additional efforts and reconceptualize our old ways of teaching, doing research, and working in the industry.

A crucial step in making the anticipated progress, and earning a reputation within the European research community, will undoubtedly be a meritocratic selection of human resources and the internationalization of the Faculty. This will require leaving behind some old paradigms in selecting employees and defining the Faculty's development priorities. I sincerely hope that the future Managements, together with the unavoidable help of the Faculty staff, shall have enough courage and knowledge to get to grips with the contemporary trends in higher education institutions, thus enabling the prosperity of our Faculty in the years to come.



prof. dr. sc. **Bernardin Peroš**,  
dekan od 2007. do 2010. /  
Dean 2007 – 2010

Prirodna je stvar da nastavnik, znanstvenik, uz to i stručni savjetnik i državni revident, planira cijeli svoj radni vijek provesti u jednoj instituciji, da osjeti potrebu i u određenom trenutku dođe na čelo te institucije. Mogao bih to nazvati ljudskom pa i moralnom obavezom. Slijedom ovih promišljanja kandidirao sam se i izabran sam za sedmog dekana Fakulteta. Kažu da je sedam sretan broj pa je i moj program za rad dekana nošen tom fortunom nudio više aktivnosti u radu Fakulteta, veću izvrsnost, kako na nastavnom, tako i na znanstvenom i znanstveno-stručnom području.

Navedeno potkrepljuju činjenice što je u mom ukupnom mandatu dekana od 33 mjeseca (2007. godine bio sam v.d. dekan) ostvareno nova 32 radna mjesta, od toga 23 mjesta novaka i asistenta, a što je značajno promijenilo kadrovsku sliku Fakulteta te dalo novi zamah u razvoju. Ovo nas je vodilo u pokretanju novih studija kao što je diplomski studij hidrotehnike i diplomski studij geodezije i geoinformatike. Uvođenjem novog studija geodezije i geoinformatike Fakultet je promjenom Statuta 2011. godine promijenio i svoj naziv u današnji. Uz temeljni studij građevinarstva, otvaranje 2003. god. studija arhitekture, te 2010. studija geodezije i geoinformatike Fakultet je postao jedna respektabilna znanstvena institucija u području graditeljstva koja je danas prepoznata u Hrvatskoj i svijetu. To potvrđuje veliki broj znanstvenih projekata i objavljenih znanstvenih radova te rezultati provedenih Akreditacija Fakulteta.

U periodu 2007. do 2010. na Fakultetu je uređen i saniran laboratorij u Splitu i Žrnovnici, nabavljena 'cluster' računalna i dodatna računalna oprema te je otvoren računalni laboratorij. Sve ovo dalo je pretpostavke za daljnji razvoj Fakulteta i izvrsnost na Splitskom sveučilištu, a što je omogućilo usporedivost s drugim srodnim fakultetima u svijetu. Treba istaknuti da je ovaj naš razvojni zamah bio prepoznat od strane Splitskog sveučilišta i rektora prof. dr. sc. Ivana Pavića i tadašnjeg resornog ministra prof. dr. sc. Dragana Primorca. Rekonstrukcijom zgrade i izgradnjom studentskog restorana uz otvaranje više računalnih dvorana uvelike je poboljšan standard studenata tako da se život na fakultetu odvija od 8 pa sve do 22 sata.

Sve navedeno, uz izradu novih mrežnih stranica, uređenja okoliša i parkinga, pa

It is only a natural course of events for a Professor, scientist, professional consultant, and chartered design supervisor who intends to spend his entire working life in the same institution, to feel the need to manage that institution at some point. I consider it a human obligation, even a moral one. With this in mind, I announced my candidature and was appointed the seventh Dean of the Faculty. They say seven is a lucky number, so even my program, carried by the same Fortuna, brought forth more activities to the Faculty and more excellence to the educational and scientific-research process.

My appointment lasted for thirty-three months; in 2007, I was an Acting Dean. Over this period, thirty new Faculty positions were opened, out of which twenty-one assistant positions, which bears witness to the achieved progress. Newly opened positions significantly changed the employment structure of the Faculty and gave new momentum to its development. This expansion led us to establish new studies: the graduate specialization program in Hydrotechnics and the undergraduate study program in Geodesy and Geoinformatics. With the establishment of a new Geodesy and Geoinformatics Studies, the Faculty changed its name to the present one. With the existing Civil Engineering Studies, the opening of the new studies (Architecture Studies in 2003, and Geodesy and Geoinformatics in 2010), the Faculty became recognizable not only in Croatia but also in the world. A respectable number of scientific projects and published scientific papers and the results of the accreditation processes bear witness to the Faculty's status.

Between 2007 and 2010, the refurbishment of the laboratories in Split and Žrnovnica, the acquisition of cluster computers, and additional computer equipment took place. A computer lab was opened, too. With the reconstruction of Building A, the opening of a student canteen and several computer halls, the student standard improved significantly. The Faculty was now open from 7:00 am to 10:00 pm. All of this created preconditions for further development of our Faculty, for becoming a center of excellence at the University of Split, and allowed us to compete with other Faculties in the world. No less important, our expansion was recognized and welcomed by the

do osnivanja pjevačkog mješovitog zbora, Fakultet se profilirao u prepoznatljivu instituciju na Sveučilištu punu radnog elana i stvaralačkog duha, na kojoj je interesantno, pa rekao bih i zabavno učiti i raditi.

Sadašnju upravu Fakulteta čine profesori, naši bivši studenti koji imaju znanja i snage da prihvate nove izazove te spremom iskustva i mladosti vode Fakultet. U daljnjim koracima razvoja Fakulteta zagovarao bih osnivanje kompletnog studija geodezije, novih studija na engleskom jeziku te novih doktorskih studija.

Danas kad je Fakultet realizirao povijesni projekt INFRA i kad je praktički spremno za rad jedanaest novih ili obnovljenih laboratorija u okviru tog projekta, stvorene su sve pretpostavke za više ciljeve i izvrsnost u znanstveno-istraživačkom radu Fakulteta te daljnja mogućnost sudjelovanja u mnogim EU i svjetskim projektima od interesa za razvoj Splita i Republike Hrvatske.

University of Split and its Rector, Professor Ivan Pavić, and by a former Minister of Science, Education, and Sports, Professor Dragan Primorac.

Furthermore, the development of a new website, landscaping, new parking lot, and the establishment of a mixed choir, profiled the Faculty into a renowned institution at a University teeming with working enthusiasm and creative spirit, where working and studying are not only exciting but also, I dare say, fun.

The current Faculty management consists of professors, our former students, who, with the right combination of experience and youth, have both knowledge and courage to accept new challenges and lead the Faculty towards even more ambitious goals and accomplishments. As future steps in the development of the Faculty, I would eagerly endorse the establishment of all levels of Geodesy Studies, new studies in the English language, and new postgraduate studies.

Today, when the Faculty concluded the historic INFRA project, and when eleven new and restructured laboratories are about to be put into operation before long, we have laid the foundations for setting even higher and more ambitious goals in scientific research. We have also created the opportunity for cooperation on many European and international projects of great interest for the development of Split and Croatia.



prof. dr. sc. Alen Harapin,  
dekan od 2010. do 2014. /  
The Dean 2010 – 2014

Pedeset godina, gledajući u širem kontekstu, kontekstu jednog naroda ili kontekstu jedne države, ponekad je puno vremena. No, gledajući u kontekstu jedne ustanove, a neskromno mogu ustvrditi - ustanove svijetle povijesti kao što je naša, pedeset godina predstavlja jako dugo razdoblje.

Bilo je ponekad teško, ali uvijek smo bili „teški“ idealisti, koji su vjerovali da kročimo ispravnim stazama, stazama korektnosti i radinosti. Neke su odluke praćene skepsom. Bilo je i 'dobronamjernih' prijedloga: „Nemojte to raditi, samo ćete izgubiti vrijeme, a postići nećete ništa.“ Kročili smo svojim putovima i stvorili jednu ustanovu koja ima svoje zapaženo mjesto u svjetskoj znanosti i visokom obrazovanju. Nismo se uvijek ni međusobno slagali, ali konfrontacija mišljenja osnovno je demokratsko načelo koje nas je samo ojačalo. Ustrajali smo i nadam se da se rezultati vide.

Na svom pedesetogodišnjem putu razvoja naš se fakultet razvio u respektabilno učilište u zemlji koje okuplja vrhunska imena znanstvene i stručne prakse. Od samih početaka trudimo se stvoriti poticajno intelektualno okruženje, promoviramo znanstvene i humanitarne aspekte graditeljske prakse te provodimo niz znanstvenih istraživanja koja rezultiraju napretkom znanosti i njenom primjenom u nastavnom procesu i unaprjeđenju struke. Iznimno smo ponosni na naše sadašnje i bivše studente, sve inženjere, znanstvenike i nastavnike koji su svojim trudom i radom omogućili da naš Fakultet postaje centrom izvrsnosti i stručnosti u Hrvatskoj.

Zahvaljujem svim našim, bivšim i sadašnjim, djelatnicima, suradnicima, studentima i ostalima koji su stalno bili uz nas. Neki više nisu među nama. Njih ćemo se uvijek sa sjetom i ponosom sjećati.

Nebrojeno je suradnih ustanova i tvrtki iz struke s kojima smo surađivali, surađujemo i surađivat ćemo, na obostrano zadovoljstvo. Neću ih posebice nabrajati, a vjerujem da će se oni već i sami prepoznati.

Smatram da smo nakon ovih prvih pedeset godina spremni dati maksimum od sebe. Uvjeren sam u daljnji napredak i procvat u godinama što slijede i to zahvaljujući prije svega našem zajedništvu, poletu i velikom poštovanju što ga imaju svi naši djelatnici i studenti prema ovoj ustanovi.

Fifty years may come across as a very long period when taken from a broader perspective, from the viewpoint of a nation or a country. However, in the context of an institution, for which I may unreservedly say has had a past as bright as ours, fifty years has indeed been a long time.

We had some difficult times, but we have always been headstrong idealists who believed to be on the right path, the path of righteousness and diligence. Some of our decisions were received with a fair amount of skepticism. We also encountered many 'benevolent' suggestions, such as: "Don't do that, it will be a waste of time, and you will achieve nothing." Nevertheless, we kept moving forward and built an institution that has assumed a distinct position in the international scientific and academic community. We did not always get along, but the confrontation of opinions, a fundamental democratic principle, only made us stronger. We persevered, and I hope that the results are visible.

In a fifty-year-long path of transformation, our Faculty grew into a respected educational institution that gathers the most renowned names in the scientific and professional community. From the very beginning, we have tried to create an intellectually stimulating environment, and we have promoted scientific and humanistic principles in the construction practice. We have also conducted numerous scientific researches resulting in the advancement of science and its application in teaching and professional work. We are immensely proud of our current and former students, all the engineers, scientists, and teaching staff, whose diligence and hard work enabled our Faculty to become a center of excellence in Croatia and the world.

I take the opportunity to thank all our former and current Faculty members, associates, students, and others who have always stood by us. Some of them are no longer among us. We keep remembering them with pride and nostalgia.

We have cooperated so far to mutual satisfaction and will keep collaborating in the future with numerous companies in the civil engineering industry. I shall not name them individually; I am confident they will recognize themselves in my words.

I believe that after these first fifty years, we are ready to give our best. I am convinced our Faculty will flourish and prosper in the years to come, primarily thanks to the collegiality, enthusiasm, and great respect that our staff and students nurture for this institution.



prof. dr. sc. **Boris Trogrlić**,  
dekan od 2014. do 2018. /  
The Dean 2014 – 2018

Razdoblje od akademske 2014. do 2018. godine obilježili su događaji u kojima je Fakultet kapitalizirao višedesetljetnu izvrsnost u znanstveno-istraživačkom, umjetničkom, nastavnom i stručnom radu.

Ministarstvo znanosti, obrazovanja i sporta Republike Hrvatske u jesen je 2014. objavilo „Javni poziv za dostavu projektnih prijedloga - Priprema zalihe infrastrukturnih projekata za Europski fond za regionalni razvoj 2014. – 2020.“ Na inicijativu Uprave Fakulteta te zahvaljujući entuzijazmu skupine od 20-ak znanstvenika i djelatnika Fakulteta donesena je odluka o prijavi projekta „Implementacijom suvremene znanstveno-istraživačke infrastrukture na FGAG-u do pametne specijalizacije u zelenoj i energetski učinkovitoj gradnji“ (kolokvijalnog naziva INFRA FGAG). Posebnu zaslugu u kreaciji i pripremi projekta imao je Krešimir Budiša, mag.oec., mag.for. sa suradnicima (UHY Savjetovanje d.o.o. Split). Specifični ciljevi projekta bili su: rekonstrukcija postojeće i izgradnja novih laboratorija te opremanje jedanaest novih laboratorija FGAG-a. Zahvaljujući prepoznatoj kvaliteti FGAG-a i dobro pripremljenoj prijavi, projekt je prihvaćen i financiran u iznosu od oko jedanaest milijuna eura bespovratnih sredstava.

U godini 50. obljetnice Fakulteta aktualna Uprava je uz velike napore uspješno okončala provedbu projekta i stvoreni su uvjeti za realizaciju ciljeva projekta: osnaživanje istraživačkih kapaciteta FGAG-a u Splitu u svrhu unaprjeđenja suradnje s gospodarstvom, sudjelovanja u znanstveno-istraživačkim projektima u Republici Hrvatskoj, EU i svijetu te razvoju novih znanstvenih projekata. Nadalje, FGAG u Splitu sada može dati još veći doprinos u razvoju sektora graditeljstva, materijala, inteligentnog urbanog planiranja, urbanog transporta, korištenja obnovljivih izvora energije te održive i zelene gradnje na području Dalmacije, a u skladu sa Strategijom pametne specijalizacije Republike Hrvatske.

Brojni su i ostali projekti i aktivnosti započeti i realizirani u tom periodu, osobito projekti: Hrvatske zaklade za znanost, FP7/H2020, INTERREG-a, HAMAG BICRO-a. Posebna međunarodna prepoznatljivost Fakulteta postignuta je kroz SPLIT SUMMER SCHOOL koju je 2015. kreirala i tijekom prvih godina organizirala prof. dr. sc. Mirela Galić s mladim suradnicima/icama.

The years between 2014 and 2018 were marked with the events that brought about the fruition of the Faculty's decades-long excellence in scientific research, artistic activity, and teaching.

In the fall of 2014, the Ministry of Science, Education, and Sports of the Republic of Croatia announced a 'Public Call for Project Proposals – the Preparation of a Stock of Infrastructure Projects for the European Regional Development Fund for 2014 – 2020'. At the initiative of the Faculty's Management, and thanks to the enthusiasm of about twenty scientists and Faculty employees, a decision was reached to apply the 'Implementation of a Contemporary Research Infrastructure at FCEAG for Smart Specialization in Green and Energy Efficient Construction project,' or, abbreviated, INFRA FGAG. Krešimir Budiša, MEcon, MSc, and his associates from UHY Consulting Ltd, Split, deserve special acknowledgment for the preparation of the project proposal. Specific goals of the project were the reconstruction of an existing and set up of new laboratories and the acquisition of equipment for eleven new laboratories at the Faculty. Thanks to the recognized high quality of FCEAG and an exceptionally prepared application, the project proposal was accepted, and FCEAG received a grant of approximately eleven million Euros.

Investing significant efforts, the present Management successfully concluded the project in the year of the Faculty's fiftieth anniversary. Foundations have thus been laid for the project's primary objectives: strengthening the research capacities with the scope of advancing collaboration with the industry, participating in the current and future scientific research projects in Croatia, the European Union, and the world, and developing new research projects. Moreover, FCEAG is now able, following the Smart Specialization Strategy of the Republic of Croatia, to contribute more substantially to the advancement of the civil engineering industry in Dalmatia, specifically in the area of materials, smart urban planning, urban transportation, renewable energy resources, and sustainable green construction.

Numerous other projects and activities were either started or completed in that period, especially the projects funded by Croatian Science Foundation, FP7/H2020,

Desetke programa SPLIT SUMMER SCHOOL do sada je pohađalo više od 250 polaznika iz više od 30 zemalja.

Kao jedno posebno priznanje za izvrsnost, a na temelju Izvješća Međunarodnog stručnog povjerenstva o reakreditaciji poslijediplomskog sveučilišnog (dokorskog) studijskog programa Građevinarstvo, Agencija za znanost i visoko obrazovanje je 2017. god. Fakultetu dodijelila oznaku VISOKE RAZINE KVALITETE za izvođenje poslijediplomskog studija „Građevinarstvo“.

FGAG u Splitu sada ima moćnu znanstveno-istraživačku infrastrukturu, ali još bitnije - ima mnogo ambicioznih i motiviranih, kako mladih, tako i iskusnih djelatnika. Stoga će godine koje slijede biti obilježene daljnjim uspjesima Fakulteta, što mu je i svojstveno još od osnutka 1971. god.

and HAMAG BICRO, to name just a few. Moreover, Split Summer School, initiated in 2015 and subsequently organized by Professor Mirela Galić and her young associates, afforded the Faculty considerable international reputation. Today, more than 250 participants from more than 30 countries have attended dozens of Split Summer School programs.

As a unique testimony to the Faculty's excellence, based on an international re-accreditation committee report, the Croatian Agency for Science and Higher Education assigned a 'High-level Quality' label to the postgraduate studies of Civil Engineering in 2017.

Today, the Faculty of Civil Engineering, Architecture and Geodesy in Split has a robust scientific research infrastructure. More importantly, it has many motivated young and experienced employees. Therefore, I am convinced that, just as they all have been from the establishment in 1971, the years ahead will be marked with success and prosperity.



# FGAG DANAS FCEAG TODAY

Fakultet građevinarstva, arhitekture i geodezije u Splitu (dalje: FGAG) visokoškolska je ustanova koja je započela s radom u jesen 1971. godine kao Građevinski fakultet Sveučilišta u Zagrebu - Odjel u Splitu. Sa samostalnim radom započinje početkom 1977. godine, a samostalnom organizacijom u visokoškolskom obrazovanju i znanstveno-istraživačkom radu postaje u srpnju 1991. godine, kada se odvaja od Građevinskog instituta.

U očekivanju punog razvitka dalmatinske regije nametnula se potreba za otvaranjem studija arhitekture i urbanizma. Osnivanje studija započeto je nekoliko puta, ali do otvaranja studija došlo je tek 2003., na inicijativu Sveučilišta u Splitu i Građevinskog fakulteta u Splitu. Akademske godine 2008./2009. završen je osnivački ciklus stjecanjem diplome prve generacije studenata arhitekture.

Akademske godine 2010./2011. realizirana je četiri desetljeća stara ideja i nakon nekoliko godina priprema osnovan je i studij Geodezije i geoinformatike, uz pomoć i potporu Sveučilišta u Splitu i Geodetskog fakulteta u Zagrebu. Fakultet je tada preimenovan: Fakultet građevinarstva, arhitekture i geodezije (FGAG).

FGAG je od prvog dana djelovao u svojim prostorima (zgrade A i B) u 6.800 metara četvornih korisnog prostora za učionice, kabinete, laboratorije, knjižnicu, vijećnicu i kompjutorske učionice. Izgrađena je i kompletno opremljena nova zgrada C, ukupne površine 1.600 metara četvornih.

U tijeku je finalizacija kapitalnog projekta izgradnje i opremanja novih laboratorijskih prostora (projekt "Implementacijom suvremene znanstvenoistraživačke infrastrukture na FGAG-u do pametne specijalizacije u zelenoj i energetski učinkovitoj gradnji KK.01.1.1.02.0027" vrijedan 84.513.801,36 kuna – projekt INFRA) te su općenito prostorni resursi prikladni za djelatnost i izvođenje studijskih programa fakulteta.

Današnji su trendovi takvi da se u Splitu, kao mediteranskom i priobalnom gradu, posebno stavlja naglasak na građenje u priobalju i kršu. Postizanje održivog razvitka u obalnim područjima zahtijeva velike financijske, organizacijske i intelektualne napore, u čemu građevinarstvo, arhitektura, urbanizam i srodna polja imaju jednu od ključnih uloga koja postaje još učinkovitija kada se nađe u interakciji s drugim znanjima i vještinama, područjima i poljima. Zbog toga znanstveno-istraživačke teme koje su trenutno prisutne na FGAG-u uključuju i niz drugih područja znanosti predstavljajući potrebu za proširenjem rada organizacije u novim područjima znanosti, s naglaskom na tematiku unaprjeđenja upravljanja izgrađenim okolišem (posebno infrastrukturnim sustavima i graditeljskim nasljeđem), prirodnim resursima i zaštitom okoliša (posebno gospodarenjem i zaštitom voda i mora), prilagodbu klimatskim promjenama te održivim graditeljstvom uopće.

The Faculty of Civil Engineering, Architecture, and Geodesy in Split (henceforth FCEAG) is a higher education institution that was founded in 1971 as the Split Department of the Faculty of Civil Engineering of the University of Zagreb. It became independent in 1977 and transformed into an autonomous higher education and scientific research organization in July 1991 when it got separated from the Croatian Civil Engineering Institute.

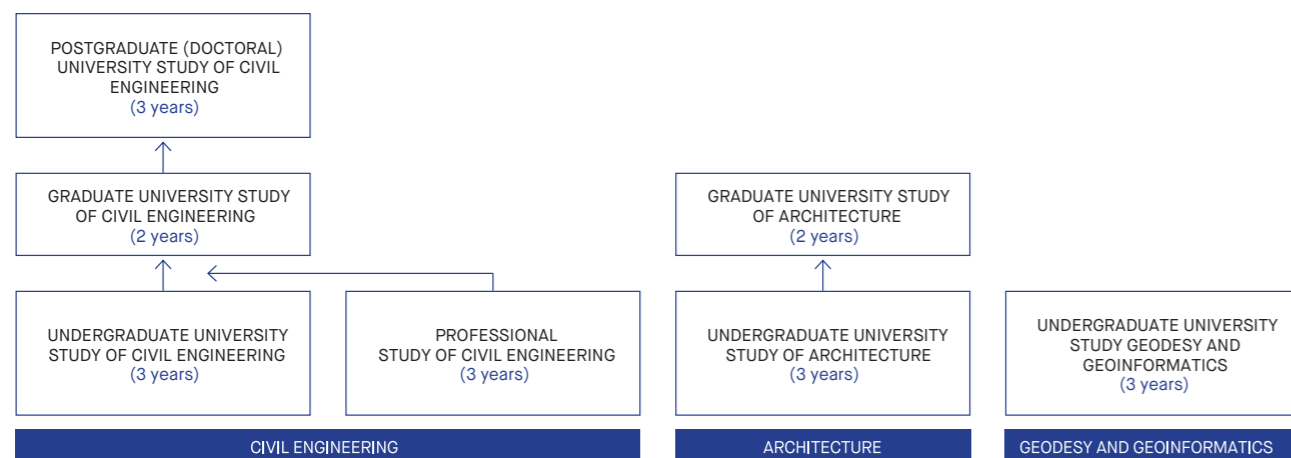
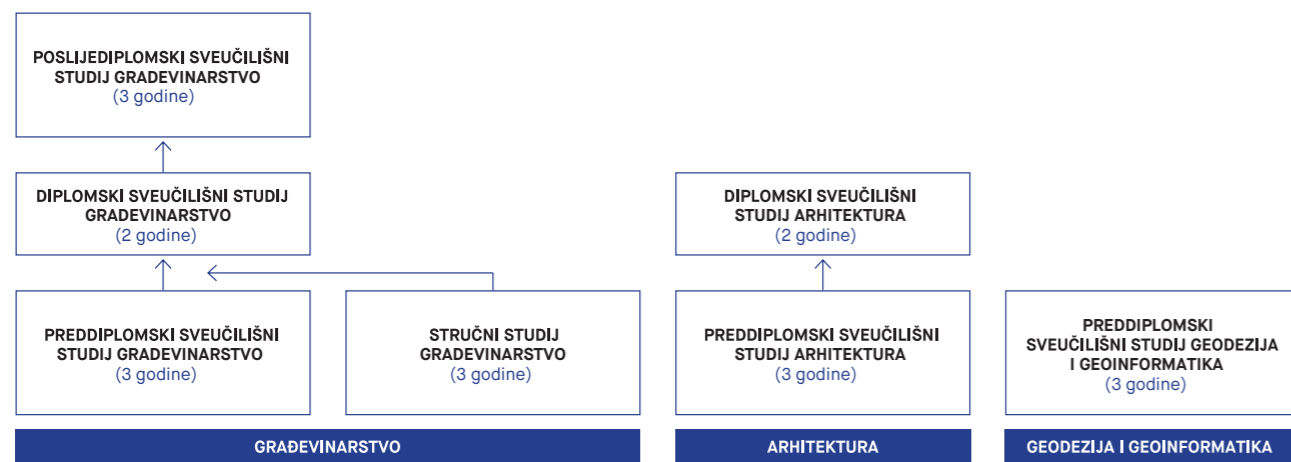
In anticipation of the significant growth of the Dalmatian region, a need arose for a separate study program in Architecture and Urban Planning. The organization of Architecture Studies was initiated several times. However, the Studies were finally established only in 2003 at the initiative of the University of Split and the Faculty of Civil Engineering in Split. The establishment of the Studies was completed in the 2008/09 academic year when the first generation of Architecture students graduated.

After several years of preparation, in the 2010/11 academic year, the Studies in Geodesy and Geoinformatics were established with the support of the Universities of Split and Zagreb and the Faculty of Geodesy in Zagreb. The Faculty was then renamed to its current name – the Faculty of Civil Engineering, Architecture and Geodesy.

FCEAG has since the very first day been using its own premises of 6,800 m<sup>2</sup> (buildings A and B), where classrooms, offices, laboratories, library, auditorium, and computer labs are situated. In addition, a completely new building of 1,600 m<sup>2</sup>, building C, was built and equipped, making spatial resources well-suited for carrying out study programs.

Furthermore, the finalization of a capital project at FCEAG is underway, as is the construction and equipment of new laboratory premises. 'Implementation of Contemporary Research Infrastructure at FCEAG for Smart Specialization in Green and Energy Efficient Construction KK.01.1.1.02.0027', (abbr. INFRA FGAG) is a capital project worth 84,513,801.36 HRK.

Given that Split is a Mediterranean and coastal city, current trends in engineering emphasize issues on the construction in karst areas and on the coastline. Great financial, organizational, and intellectual efforts are required to achieve sustainable development goals in a coastline environment. Civil engineering, architecture, urban planning, and cognate disciplines have a leading role in such endeavors and become more efficient when in synthesis with other areas, skills, and fields of knowledge. This is why current scientific research topics at FCEAG are, as a rule, interdisciplinary and reflect the need to expand the organization into new research areas. The priority issues concern advancing the management of the existing built environment (specifically, infrastructural systems and built heritage), natural resources and environmental protection (specifically, management and protection of sea and water), climate change adaptation and sustainable development in general.



## Misija / Mission

FGAG je znanstveno-nastavna sastavnica Sveučilišta u Splitu koja odgovara potrebama društvene zajednice u području visokog obrazovanja, znanstvene, stručne i umjetničke djelatnosti u skladu sa zakonom i svojim statutom. U okviru djelatnosti visokog obrazovanja organizira i izvodi sveučilišne i stručne studije kvalitetom usklađene sa standardima europskog prostora visokog obrazovanja. Pri tome isходи učenja koji se postižu završetkom studijskih programa jasno odražavaju društvene potrebe i predstavljaju kompetencije potrebne za uključivanje na tržište rada ili nastavak obrazovanja te odgovaraju opisima razine Hrvatskog kvalifikacijskog okvira HKO (pa time i Europskog kvalifikacijskog okvira EKO i Kvalifikacijskog okvira Europskog prostora visokog obrazovanja QF-EHEA) na kojoj se programi izvode. U definiranju ishoda učenja sukladno HKO-u FGAG djeluje u skladu sa zahtjevima struke i međunarodno priznatim standardima za određenu struku (profil kvalifikacije) te osigurava suvremenost programa. Posebno za reguliranu profesiju arhitekture i urbanizma, gdje su odgovarajućom EU Direktivom o priznavanju stručnih kvalifikacija definirana znanja i vještine koje mora osigurati sveučilišno obrazovanje arhitekata, kroz proces tzv. Notifikacije proveden 2016. godine, studijski programi arhitekture i urbanizma FGAG stekli su priznanje kvalitete na europskoj razini.

FGAG je promotor znanstvenih istraživanja u području tehničkih znanosti u poljima koja su u najširem smislu vezana uz građevinarstvo, arhitekturu, geodeziju i geoinformatiku s težnjom da odgovori na sve društvene izazove u navedenim područjima. Trenutni društveni izazovi zahtijevaju uključivanje i drugih područja znanosti u svrhu razvoja i promocije postojećih i novih, međunarodno aktualnih znanstveno-istraživačkih tema Fakulteta.

FGAG ulaže napore u ostvarivanju kolaborativnih i međunarodno kompetitivnih EU i drugih projekata te osim suradnje s najvećim tvrtkama u regiji i EU surađuje i s lokalnim državnim tijelima i na taj način promiče svoju ulogu u društvu (znanstveno-istraživački projekti s gospodarstvom i dr.). Jedan je od općih strateških ciljeva Fakulteta da svojom kvalitetom ostvari međunarodnu prepoznatljivost. U tom smislu potiču se aktivnosti koje vode uključivanju naših studenata i nastavnika u europski i svjetski obrazovni i istraživački prostor. Potiče se međunarodna mobilnost i suradnja, održavanje diplomskih studija na engleskom jeziku, razvoj međunarodnog znanstvenog časopisa u izdanju Fakulteta te kontinuirani razvoj doktorskog studija koji će omogućiti veću internacionalizaciju studija i istraživanja (združeni doktorski studij).

Kako je glavna uloga Fakulteta odgovarati aktualnim potrebama i ciljevima društva, jedna od bitnih strateških odrednica je i promicanje cjeloživotnog učenja u poljima građevinarstva, arhitekture, geodezije i temeljnih tehničkih znanosti unutar područja tehničkih znanosti te unutar

The mission of the Faculty of Civil Engineering, Architecture and Geodesy of the University of Split is to meet the higher education, scientific, professional, and artistic needs of the community following its Statute and the law. Within the scope of higher education activities, the Faculty organizes and offers university-level and professional-level studies that are, in their quality, harmonized with the European higher education standards. Specifically, the learning outcomes attained upon completing the study programs reflect societal needs and competencies required on the labor market or for the continuation of education. The learning outcomes are in harmony with the Croatian Qualifications Framework (CROQF) and, therefore, harmonized with the European Qualifications Framework (EQF) of the Qualifications Framework for the European Higher Education Area (QF-EHEA).

In defining the learning outcomes and objectives in harmony with CROQF, FCEAG always acts according to the professional requirements and internationally recognized standards within a specific profession (i.e., the qualification profile), thus ensuring the offered programs are up-to-date. For the specifically regulated profession of Architecture and Urban Planning, skills and knowledge to be attained through higher education are defined by the EU Directive on the recognition of professional qualifications. In the so-called 'notification' process carried out in 2016, the study programs in Architecture and Urban Planning were recognized to have reached a European-level quality.

The Faculty promotes scientific research in technical sciences in the areas related to civil engineering, architecture, geodesy, and geoinformatics in the broadest sense, aiming to address all current issues in these fields. Contemporary societal challenges require interdisciplinarity to develop further and promote the ongoing and future scientific research topics at FCEAG.

The Faculty continually strives to participate in internationally competitive European and other projects. Apart from cooperating with the largest companies in the region and the EU, FCEAG also collaborates with the local authorities, thus promoting its fundamental role in society, e.g., doing scientific research in collaboration with the stakeholders from the industry. One of the Faculty's primary strategic objectives is to gain an international reputation for the quality of its work. For this reason, we encourage our students and teaching staff to become active members of the European and world scientific and teaching community. Therefore, international mobility and cooperation are among the highest priorities, as are the organization of graduate courses in English and the development of an international scientific journal published by the Faculty. Furthermore, the Faculty promotes and supports a continuous improvement of the doctoral studies to achieve

interdisciplinarnog područja znanosti, posebno njegova polja projektni menadžment kao i svih kombinacija prethodno spomenutih graditeljskih polja s drugim njima tematski podržavajućim znanstvenim poljima i područjima. Fakultet trenutno ima tri licencirana programa koja spadaju u skupinu cjeloživotnog učenja koji su, sukladno pravilnicima, podložni stalnim izmjenama i dopunama u skladu s potrebama. U postizanju svih strateških ciljeva Fakultet teži neprekidnom i sustavnom unaprjeđenju svih područja djelovanja: uspostavi, organizaciji i izvođenju studijskih programa, povećanju učinkovitosti u obrazovnom i znanstveno istraživačkom procesu, povezivanju obrazovne, znanstveno-istraživačke i stručne djelatnosti, kao i izgradnji i unaprjeđenju unutarnje organizacije u skladu sa standardima Europskog prostora visokog obrazovanja ESG.

greater internationalization of both studies and research (e.g., a joint postgraduate study program).

Since the Faculty's primary role is to meet the societal ongoing needs and challenges, one of the relevant strategic goals is the promotion of life-long learning in civil engineering, architecture, geodesy, and basic technical sciences within the area of technical sciences, within the interdisciplinary area of science, especially its field of project management, as well as within the combination of all the aforementioned civil engineering areas with other thematically cognate scientific fields. Currently, the Faculty has three licensed life-long learning programs that are susceptible to continuing modifications and adjustments according to its needs and in harmony with the relevant standards and regulations. To achieve its strategic objectives, the Faculty continually strives to advance its management, organization of study programs and teaching, increase efficiency in the educational and scientific research process, and merge scientific research and academic and professional work. Together with the continuing attempts to strengthen and enhance its internal organization, all of this is planned and conducted following the Standards and Guidelines for Quality Assurance in the European Higher Education Area (ESG).

## Vizija / Vision

FGAG će biti prepoznatljiv po svojim visokim standardima u znanstveno-istraživačkom, nastavnom i umjetničkom radu te utjecaju rezultata na tehnološki i kulturološki razvitak društva. Njegova prepoznatljivost u znanstveno-istraživačkom smislu ogleda se u radu na postizanju obaveznih, općih i specifičnih ciljeva znanstveno-istraživačkih i umjetničkih projekata FGAG-a (ZIU projekti) koji će postići međunarodnu prepoznatljivost u svojim područjima istraživanja.

FGAG će biti vodeći promicatelj kolaborativnog istraživanja na regionalnoj i nacionalnoj razini koje uključuje gospodarstvo, akademsku zajednicu, državna tijela i institucije. Istraživači, nastavnici koji su zaposleni na fakultetu, kao i studenti koji pohađaju studijske programe težit će međunarodnoj prepoznatljivosti unutar svojih istraživačkih disciplina kroz rad u novopremljenim istraživačkim laboratorijima, suradnju s drugim istraživačkim ustanovama i publiciranje znanstvenih radova. U suvremeno opremljenim i tehnološki naprednim laboratorijima realiziranim kroz projekt INFRA studentima će biti omogućeno brže uključivanje u nastavne i istraživačke procese, znanstvenicima olakšan pristup europskom i svjetskom istraživačkom prostoru uz sudjelovanje u međunarodnim timovima i angažiranje na kompleksnijim istraživanjima, dok će partneri iz gospodarstva unutar i izvan RH moći provoditi ciljana primijenjena istraživanja, razvijati nove proizvode, modele i usluge te provjeravati inovativne koncepte i mogućnosti transfera tehnologije.

Povećanje mobilnosti nastavnika i studenata doprinijet će stjecanju novih iskustava u području obrazovanja i znanstvenih istraživanja, stvaranju visokokvalificiranog kadra za znanstveni, nastavni i umjetnički rad te prilagodbi zahtjevima tržišta rada zemalja unutar Europske unije. Znanstveno-nastavni potencijal FGAG-a bit će prilagodljiv dinamičnom okruženju i pružati mogućnost modificiranja te uvođenja novih kvalitetnih studijskih programa i interdisciplinarnih studija (i interdisciplinarnih istraživanja) koji su od značaja za regionalni i nacionalni razvoj.

U svjetlu suvremenih pristupa na početku 21. stoljeća, gdje se znanje promatra u trokutu obrazovanja, istraživanja i inovacija, FGAG će doprinositi razvoju svih sastavnica trokuta znanja te partnerstvu znanstvene i poslovne zajednice u svrhu postizanja društvenih izazova. Kako bi se održao kontinuitet svega navedenog, potrebno je u ovom planskom razdoblju operativno i strateški ostvariti cilj još potpunijeg uklapanja u europske (društveni izazovi) i nacionalne okvire financiranja (specifični strateški ciljevi i/ili prioritarna tematska područja i podpodručja). Navedeno podrazumijeva razvoj novih znanstveno-istraživačkih tema FGAG-a u interdisciplinarnom području znanosti (IPZ).

The Faculty of Civil Engineering, Architecture and Geodesy (henceforth FCEAG) shall be recognized for its high-quality scientific, research, educational, and artistic activity and its effects on society's technological and cultural development. The Faculty's prestige should be reflected in accomplishing the general and specific primary objectives of the FCEAG's Science and Arts Research Projects (SARP) that should gain international reputation in their respective research areas.

FCEAG shall be the leading promoter of collaborative research by including the civil engineering industry, the academic community, and state administrative bodies and institutions. Supported by newly equipped laboratories, the Faculty's teaching staff, researchers, and students shall aim for international recognition within their specific research disciplines, collaboration with other research institutions, and publishing original research. As a result of the INFRA project that enabled modern laboratories equipped with cutting-edge technology, the students will be more efficiently included in teaching and research. Access to the European and world research area will be facilitated to scientists and researchers, too. Moreover, the researchers will gain a competitive edge among their international colleagues and be more easily hired on demanding projects. Contemporaneously, the partners from the industry, within Croatia and beyond, will be able to conduct targeted and applied research, develop new products, models and services, and test their innovative concepts and capabilities of technology transfer.

Increased mobility of teachers and students will contribute to the acquisition of new experiences in education and scientific research, the creation of highly qualified staff for teaching, scientific and artistic activity, allowing adaptability to the labor market requirements within the European Union. The scientific research potential of FCEAG will be adaptable to its increasingly dynamic environment and offer the possibility of modifications and introduction of new high-quality study programs and interdisciplinary studies (and research) pertinent to regional and national development.

In the light of the contemporary, 21st-century approaches to education that interpret knowledge through the lens of the research-education-innovation triangle, FCEAG is committed to contributing to the development of all aspects of the knowledge triangle and supporting the partnership between research and business communities to meet the current societal challenges. To maintain the continuity of the abovementioned, in this preparation period, it is necessary to integrate more comprehensively into the European funding schemes (societal challenges) and the national ones (specific strategic goals and/or priority thematic areas and sub-areas). This implies the

S tako definiranom vizijom FGAG je uspostavio fleksibilnu organizaciju na način da se sukladno potrebama europskih i nacionalnih okvira financiranja, interdisciplinarnu istraživačke teme, do sada razvijane i istraživane u okviru katedri, grupiraju u veće interdisciplinarnu istraživačke grupe (s članovima i izvan Fakulteta) koje sudjeluju u radu pojedinog znanstveno-istraživačkog i umjetničkog projekta (ZIU projekt). Na ovaj se način može brzo odgovoriti na sve zahtjevnije izazove europskog i nacionalnog istraživačkog prostora u organizacijskom smislu grupiranja više istraživača iz različitih područja znanosti u jedinstvene projektne timove.

development of new scientific research topics at FCEAG in the interdisciplinary field of science (IFS).

With such a defined vision, FCEAG has established a flexible organizational structure. The structure is now organized such that, according to the needs of the European and national funding schemes, interdisciplinary research topics addressed so far within specific departments can be easily grouped into larger multidisciplinary research teams (with members outside the Faculty, too) that collaborate on single Science and Arts Research Project (SARP). In this way, one can quickly respond to increasingly demanding organizational challenges of the European and national research area by grouping more researchers from different fields of science into specific project teams.

## Djelatnost FGAG-a Activities of FCEAG

Znanstveno-istraživačka djelatnost bila je od začetaka Fakulteta jedan od osnovnih pokretača njegova razvoja. Dosadašnje reference svrstavaju Fakultet među vodeće fakultete iz područja tehničkih znanosti u Hrvatskoj i regiji. U želji zadržavanja tog pristupa i prilagođavanja suvremenim trendovima upravljanja istraživanjima nukleus razvoja interdisciplinarnih istraživanja i formalno je postavljen na Fakultetu još 2011. godine. Naime, te je godine na Fakultetu postignut i prvi izbor u znanstveno zvanje u interdisciplinarnom području znanosti koji je posljedica shvaćanja potrebe podržavanja istraživanja u području tehničkih znanosti znanjima iz područja društvenih znanosti. Podrške, kako u samim istraživačkim temama, tako i u reorganiziranju znanstveno istraživačke djelatnosti, poglavito prilagodbi ustrojstva Fakulteta suvremenim znanstveno-istraživačkim trendovima (formiranjem matične organizacijske strukture Fakulteta – stvaranje projektno orijentirane organizacije znanstveno-istraživačke djelatnosti unutar klasične funkcijske organizacijske strukture koja je pogodnija ostalim djelatnostima Fakulteta). Znanstveni je rad u uskoj svezi sa stručnim radom što je rezultiralo ne samo relevantnošću znanstvenog djelovanja, nego i projektiranjem i izgradnjom velikog broja značajnih građevinskih objekata i zahvata zbog čega Fakultet predstavlja instituciju koja je oslonac stručne i znanstvene izvrsnosti.

Na Fakultetu su, pored znanstveno-istraživačke djelatnosti i visokog obrazovanja te cjeloživotnog učenja organiziranog programom stručnog usavršavanja, prisutne i stručne djelatnosti u vidu izrade studija, ekspertiza, revizija, idejnih projekata, projekata složenih građevina, stručnih i projektantskih nadzora, laboratorijskih i terenskih ispitivanja konstrukcija te stručnih savjetovanja.

- ustrojava i izvodi sveučilišnu preddiplomsku i diplomsku nastavu u znanstvenom polju građevinarstva i znanstvenom polju arhitekture i urbanizma
- ustrojava i izvodi stručni studij u znanstvenom polju građevinarstva
- ustrojava i izvodi poslijediplomski sveučilišni studij u znanstvenom polju građevinarstva za stjecanje akademskog stupnja doktora znanosti (doktorski studij)
- ustrojava i izvodi programe cjeloživotnog obrazovanja u znanstvenom polju građevinarstva i u znanstvenom polju arhitekture i urbanizma
- obavlja poslove stručnog obrazovanja radi stjecanja znanja i usavršavanja u provođenju zaštite okoliša
- ustrojava i izvodi program stručnog usavršavanja u graditeljstvu

Since the inception of FCEAG, scientific research has been one of its primary driving forces. The current track record places FCEAG among the leading faculties in technical sciences in Croatia and the region. To maintain an already successful approach but simultaneously adapt to modern research management trends, the Faculty's nucleus for developing contemporary, interdisciplinary research was formally established in 2011. Specifically, this was the year when the Faculty conferred the first academic title in an interdisciplinary field of science, which was a direct consequence of having recognized the need to strengthen research in technical sciences with knowledge and skills of social sciences, to broaden the selection of research topics, and reorganize research process. Specifically, having acknowledged contemporary research trends, FCEAG formed a matrix organizational structure, i.e., a project-oriented scientific research organization within a traditionally functioning organizational system that is more suitable for other activities. Since research directly affects professional work and activities in the industry, this research-industry nexus resulted not only in the stimulation of scientific research but also in the design and construction of many significant buildings and projects, which is why FCEAG remains a foundation of professional and scientific excellence.

In addition to scientific research, higher education, and lifelong learning programs organized through professional development courses, FCEAG offers professional engineering services to the public, such as the development of studies, expert studies, design supervision studies, preliminary designs, complex structural designs; construction site and design supervision, laboratory and field structural testing, and expert consultancy, to name just a few.

- Organises and conducts university undergraduate and graduate studies in scientific field of civil engineering and scientific fields of architecture and urban planning.
- Organises and conducts professional study in the scientific field of civil engineering.
- Organises and conducts postgraduate university study in the scientific field of civil engineering for the acquisition of a doctoral academic degree.
- Organises and conducts programs of lifelong education in the scientific field of civil engineering and scientific field of architecture and urban planning.
- Conducts activities of professional education to acquire knowledge and training in the implementation of environment protection.

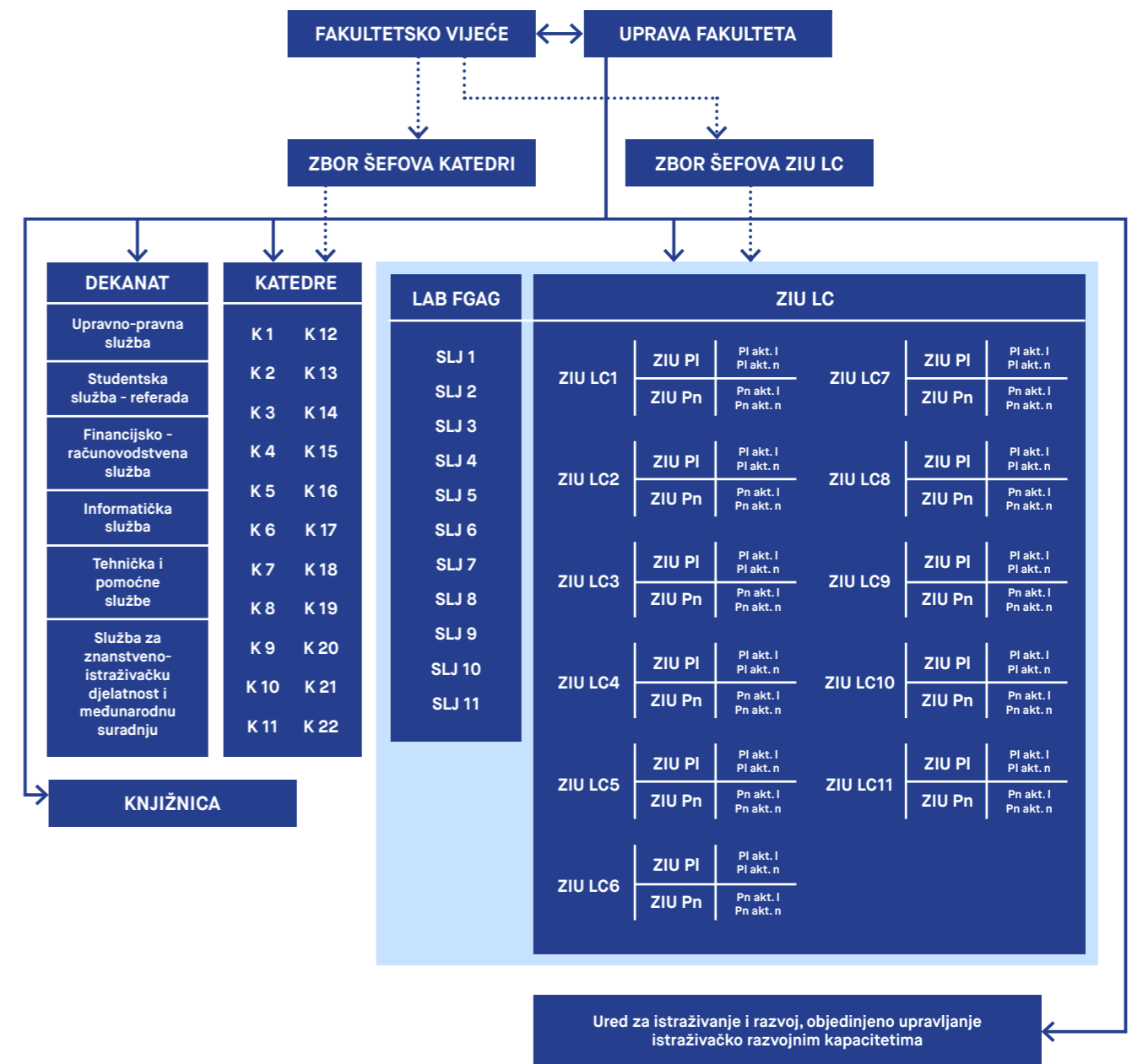
- obavlja znanstveno-istraživački rad u znanstvenom polju građevinarstva i znanstvenom polju arhitekture i urbanizma, u znanstvenim disciplinama koje su povezane sa znanstvenim poljem građevinarstva i znanstvenim poljem arhitekture i urbanizma
- ustrojava i provodi znanstveno-istraživačke razvojne i primijenjene poslove inženjerskog, fizikalnog i numeričkog modeliranja i analize u poljima građevinarstva, arhitekture i urbanizma te drugim poljima koja su od razvojnog interesa građevinskih i drugih tehničkih fakulteta
- predlaže razvojne i znanstveno-istraživačke programe
- ustrojava i sudjeluje u realizaciji međunarodnih projekata
- ustrojava domaće i međunarodne skupove, samostalno ili u suradnji s drugim domaćim i stranim ustanovama
- ustrojava i izvodi istraživački i stručni rad za potrebe gospodarstva
- obavlja visokostručni i umjetnički rad u polju arhitekture i urbanizma
- obavlja stručne poslove prostornog uređenja u svezi s izradom dokumenata prostornog uređenja i stručnih podloga za izdavanje lokacijskih dozvola
- izrađuje studije za složene građevine i sustave
- projektira složene građevine i sustave
- obavlja poslove izrade geotehničkih elaborata, ispitivanja tla i stijena
- obavlja mjerenje i predviđanje buke
- obavlja laboratorijska ispitivanja iz područja građevinarstva
- obavlja recenzentske, revidentske i eksperimentalne poslove
- obavlja konzultantske i ekspertne poslove
- obavlja konzalting i nadzor u području građevinarstva, arhitekture, ekologije, uređenja prostora i tehničke opreme
- obavlja kontrolu tehničke dokumentacije u skladu sa Zakonom o gradnji i Pravilnikom o kontroli projekata
- obavlja poslove izrade stručnih podloga i elaborata zaštite okoliša
- obavlja poslove stručne pripreme i izrade studija utjecaja na okoliš
- obavlja nostrifikaciju za arhitektonsko područje projektiranja i građevinsko područje projektiranja
- izrađuje, testira i tumači računalne programske pakete
- obavlja nakladničku djelatnost.

- Organises and conducts activities of professional training in civil engineering.
- Conducts scientific research activities in the scientific field of civil engineering and scientific disciplines that are connected to the scientific field of civil engineering and scientific field of architecture and urban planning.
- Organises and conducts scientific and research development and implementable activities of engineering, physical and numerical modelling and analyses in the fields of civil engineering, architecture and urban planning as well as other fields that are of development interest of civil engineering and other technical faculties.
- Suggests development and scientific and research programs.
- Organises and participates in the realisation of international projects.
- Organises domestic and international congresses either autonomously or in cooperation with other domestic or international institutions.
- Organises and conducts research and professional activities for the needs of the economy.
- Performs highly professional and artistic activities in the field of architecture and urban planning.
- Conducts professional activities of physical planning in regards to the drafting of physical planning documents and professional suggestions for issuance of location permits.
- Development of studies for complex structures and systems.
- Designs complex structures and systems.
- Conducts the activities of drafting geotechnical studies, soil and rock testing.
- Conducts noise measuring and estimation.
- Conducts laboratory tests in the field of civil engineering.
- Conducts consultancy and professional activities.
- Conducts consulting and supervision in the field of civil engineering, architecture, ecology, physical planning and technical equipment.
- Conducts the control of technical documentation in accordance with the Building act and Project control regulations.
- Conducts the activities of drafting professional foundations and environment protection studies.
- Conducts the activities of professional preparation and development of environment impact studies.
- Conducts nostrification for architectural area of design and civil engineering area of design.
- Develops tests and explains computer packages.
- Conducts publishing activities.

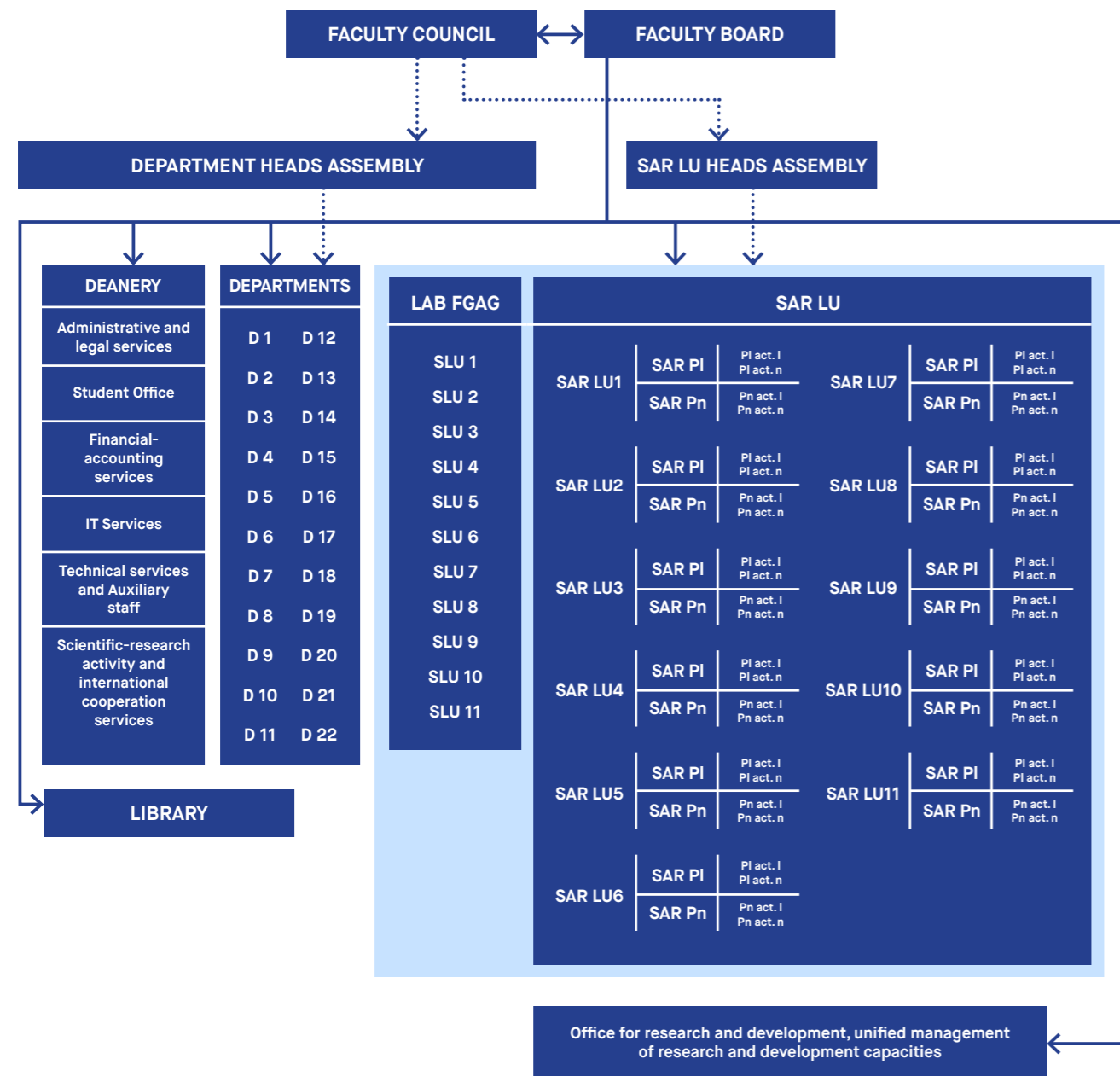
# Ustroj fakulteta

## Organization of the Faculty

Ustroj Fakulteta, u smislu organizacije, odnosno podjele na jedinice prikazan je sljedećom shemom:



Organisation of the faculty or unit division is depicted in the following diagram:



# Uprava / Management



Prof.dr.sc. / Prof. **Nikša Jajac**

dekan / *Dean*  
(niksa.jajac@gradst.hr)

Izv. prof. dr. sc. / Assoc. Prof. **Ivo Andrić**

prodekan za studije građevinarstva /  
*Vice Dean for Civil Engineering Studies*  
(ivo.andric@gradst.hr)

Doc. dr. sc. / Asst. Prof. **Martina Baučić**

prodekanica za studij geodezije i geoinformatike /  
*Vice Dean for Geodesy and Geoinformatics Studies*  
(martina.baucic@gradst.hr)

Prof. art. / Prof. **Neno Kezić**

prodekan za studije arhitekture /  
*Vice Dean for Architecture and Urban Planning Studies*  
(neno.kezic@gradst.hr)

Izv. prof. dr. sc. / Assoc. Prof. **Neno Torić**

prodekan za znanost, inovacije i međunarodne odnose /  
*Vice Dean for Science, Innovation and International Relations*  
(neno.toric@gradst.hr)

Izv. prof. dr. sc. / Assoc. Prof. **Nikolina Živaljić**

prodekanica za upravljanje ljudskim resursima i kvalitetom /  
*Vice Dean for Human Resources and Quality Management*  
(nikolina.zivaljic@gradst.hr)

Prof. dr. sc. / Prof. **Alen Harapin**

prodekan za tehnologiju, infrastrukturu i konkurentnost /  
*Vice Dean for Technology, Infrastructure and Competitiveness*  
(alen.harapin@gradst.hr)

**Voditelji / voditeljice diplomskog studija građevinarstva /**  
Heads of the Graduate Studies in Civil Engineering:



Prof. dr. sc. / Prof.  
**Dražen Cvitanić**  
smjer Opći /  
*General Specialization*  
(drazen.cvitanic@gradst.hr)



Prof. dr. sc. / Prof.  
**Vesna Denić-Jukić**  
smjer Hidrotehnika /  
*Hydrotechnical Engineering*  
*Specialization*  
(vesna.denic-jukic@gradst.hr)



Prof. dr. sc. / Prof.  
**Željana Nikolić**  
smjer Modeliranje  
konstrukcija / *Modeling of*  
*Structures Specialization*  
(mirela.galic@gradst.hr)



Prof. dr. sc. / Prof.  
**Domagoj Matešan**  
smjer Konstrukcije /  
*Structural Engineering*  
*Specialization*  
(domagoj.matesan@gradst.hr)

**Voditelj diplomskog studija  
arhitekture i urbanizma /**  
Head of the Graduate Studies in  
Architecture and Urban Planning



Doc. art. / Asst. Prof.  
**Dinko Peračić**  
(dinko.peracic@gradst.hr)

**GLAVNA TAJNICA /**  
HEAD SECRETARY:

**Saša Delić**, dipl.iur. / LL.M.  
(sasa.delic@gradst.hr)

**POVJERENICA ZA ECTS BODOVE /**  
ECTS CREDITS OFFICER:

Izv. prof. dr. sc. / Assoc. Prof. **Deana Breški**  
(deana.breski@gradst.hr)

**ERASMUS KOORDINATOR I VODITELJ ODBORA  
ZA UNAPRJEĐENJE KVALITETE /**  
ERASMUS COORDINATOR AND THE CHAIR  
OF THE QUALITY ASSURANCE COMMITTEE:

Doc. dr. sc. / Asst.Prof. **Goran Baloević**  
(goran.baloevic@gradst.hr)

# KATEDRE STUDIJA GRAĐEVINARSTVA CHAIRS OF THE STUDY OF CIVIL ENGINEERING



# BETONSKE KONSTRUKCIJE I MOSTOVI

## CONCRETE STRUCTURES AND BRIDGES

### PREDMETI KOJE ODRŽAVA KATEDRA COURSES TAUGHT BY DEPARTMENT:

#### PREDDIPLOMSKI STUDIJ GRAĐEVINARSTVA / UNDERGRADUATE STUDY OF CIVIL ENGINEERING:

- Osnove betonskih konstrukcija / Basics of concrete structures
- Mostovi / Bridges

#### DIPLOMSKI STUDIJ GRAĐEVINARSTVA / GRADUATE STUDY OF CIVIL ENGINEERING:

- Betonske konstrukcije I / Concrete structures I
- Mostovi / Bridges
- Zidane konstrukcije / Masonry structures
- Prednapeti beton / Prestressed concrete
- Betonske konstrukcije II / Concrete structures II
- Spregnute konstrukcije / Composite structures
- Betonski mostovi / Concrete bridges
- Izvođenje građevinskih konstrukcija / Construction of structures
- Kućne instalacije / Housing installations
- Projektiranje konstrukcija računalom / Computer aided design of structures
- Trajnost konstrukcija / Durability of structures
- Numeričko modeliranje betonskih konstrukcija / Numerical modelling of concrete structures

#### POSLIJEDIPLOMSKI DOKTORSKI STUDIJ GRAĐEVINARSTVA / POSTGRADUATE DOCTORAL STUDY OF CIVIL ENGINEERING:

- Numeričko modeliranje betonskih konstrukcija / Numerical modelling of concrete structures
- Kreiranje nosivih sklopova mostova i konstrukcija / Design of supporting systems of bridges and structures
- Numeričko modeliranje dinamičkog međudjelovanja voda-tlo-konstrukcija / Numerical modelling of water-soil-structure dynamic interaction
- Odabrana poglavlja betonskih i zidanih konstrukcija / Selected chapters of concrete and masonry structures

#### STRUČNI STUDIJ GRAĐEVINARSTVA / PROFESSIONAL STUDY OF CIVIL ENGINEERING:

- Betonske konstrukcije I / Concrete structures I
- Betonske konstrukcije II / Concrete structures II
- Mostovi / Bridges

### PREDDIPLOMSKI STUDIJ ARHITEKTURE / UNDERGRADUATE STUDY OF ARCHITECTURE:

- Nosive konstrukcije I / Structural systems 1

#### PODRUČJE ZNANSTVENO-ISTRAŽIVAČKOG RADA / AREA OF SCIENTIFIC RESEARCH:

- Eksperimentalna istraživanja ponašanja građevinskih konstrukcija pod statičkim, dinamičkim i dugotrajnim opterećenjem / Experimental research of structure behaviour under static, dynamic and prolonged load
- Razvoj novih građevinskih materijala i konstrukcija / Development of new construction materials and structures
- Numeričko modeliranje ponašanja građevinskih konstrukcija pod statičkim, dinamičkim i dugotrajnim opterećenjem / Numerical modelling of the behaviour of structures under static, dynamic and prolonged load
- Numeričko modeliranje dinamičke interakcije sustava tekućina-tlo-konstrukcija / Numerical modelling of the dynamic interaction liquid-soil-structure

#### PODRUČJE STRUČNOG RADA / AREA OF PROFESSIONAL WORK:

- Izrada projekata građevinskih konstrukcija / Development of building designs
- Izrada ekspertiza, te projekata sanacije i rekonstrukcije građevinskih konstrukcija / Development of expertise as well as designs for restoration and reconstruction of building structures
- Kontrola projekata betonskih i zidanih konstrukcija glede mehaničke otpornosti i stabilnosti / Control of concrete and masonry structure designs in terms of mechanical resistance and stability
- Nadzor pri izgradnji građevinskih konstrukcija / Supervision during construction of structures

### ČLANICE I ČLANOVI KATEDRE MEMBERS OF THE DEPARTMENT:



**Dr. sc. Jure Radnić,**  
Redoviti profesor  
(trajno zvanje) /  
Full Professor (Tenure)  
Šef katedre /  
Head of the Chair

#### ZNANSTVENO-NASTAVNO PODRUČJE SCIENTIFIC-TEACHING AREA:

- Eksperimentalna istraživanja ponašanja građevinskih konstrukcija pod statičkim, dinamičkim i dugotrajnim opterećenjem / Experimental research of structure behaviour under static, dynamic and prolonged load
- Razvoj novih građevinskih materijala i konstrukcija / Development of new construction materials and structures
- Numeričko modeliranje ponašanja građevinskih konstrukcija pod statičkim, dinamičkim i dugotrajnim opterećenjem / Numerical modelling of behaviour of structures under static, dynamic and prolonged load
- Numeričko modeliranje dinamičke interakcije sustava tekućina-tlo-konstrukcija / Numerical modelling of dynamic interaction of liquid-soil-structure system

#### OBJAVLJENI RADOVI, MENTORSTVA I PROJEKTI PUBLICATIONS, MENTORING AND PROFESSIONAL PROJECTS:

- Knjige / Books: 5; Poglavlja u knjizi / Book chapters: 9; Znanstveni radovi u časopisima indeksiranim u WoS-u / Scientific papers in journals indexed in WoS: 77; Znanstveni radovi s recenzijom u ostalim časopisima / Peer reviewed scientific papers in other journals: 6; Znanstveni i stručni radovi u

zbornicima skupova s recenzijom / Peer reviewed scientific and professional conference papers: 74; Vođenje disertacija i magistrarskih radova / Mentoring on Doctoral and Master thesis: 14; Vođenje diplomskih radova / Mentoring of Diploma thesis: ~150; Stručni projekti, studije i ekspertize / Professional projects, studies and expertise: ~500; Kontrole projekata - revizije / Project Controls - Revisions: ~250

#### NAGRADE I PRIZNANJA AWARDS AND HONORS:

- Nagrada Grada Trogira za drveni most u Trogiru, 2004. / City of Trogir Award for the construction of wooden bridge in Trogir, 2004.
- Nagrada Grada Solina za kameni most u Solinu, 2007. / City of Solin Award for the stone bridge in Solin, 2007.
- Kolos - nagrada Hrvatske komore inženjera građevinarstva za projekt dogradnje i rekonstrukcije Zračne luke Split, 2018. / Kolos - Award of the Croatian Chamber of Civil Engineers for the Project of upgrade and reconstruction of the Split Airport, 2018.
- Graditeljska nagrada CEMEX za projekt dogradnje i rekonstrukcije Zračne luke Split, 2021. / CEMEX Building Award for the Project of upgrade and reconstruction of the Split Airport, 2021.



**Dr. sc. Alen Harapin,**  
Redoviti profesor  
(trajno zvanje) /  
Full Professor (Tenure)

#### ZNANSTVENO-NASTAVNO PODRUČJE SCIENTIFIC-TEACHING AREA:

- Eksperimentalna istraživanja ponašanja građevinskih konstrukcija pod statičkim, dinamičkim i dugotrajnim opterećenjem / Experimental research of structure behaviour under static, dynamic and prolonged load
- Razvoj novih građevinskih materijala i konstrukcija / Development of new construction materials and structures
- Numeričko modeliranje ponašanja građevinskih konstrukcija pod statičkim, dinamičkim i dugotrajnim opterećenjem / Numerical modelling of behaviour of structures under static, dynamic and prolonged load
- Numeričko modeliranje dinamičke interakcije sustava tekućina-tlo-konstrukcija / Numerical modelling of dynamic interaction of liquid-soil-structure system

#### OBJAVLJENI RADOVI, MENTORSTVA I PROJEKTI PUBLICATIONS, MENTORING AND PROFESSIONAL PROJECTS:

Knjige / Books: 5; Poglavlja u knjizi / Book chapters: 3; Znanstveni radovi u časopisima indeksiranim u WoS-u / Scientific papers in journals indexed in WoS: 36; Znanstveni radovi s recenzijom u ostalim časopisima / Peer reviewed scientific papers in other journals: 25; Znanstveni i stručni radovi u zbornicima skupova s recenzijom / Peer reviewed scientific and professional conference papers: 65; Vođenje disertacija i magistrarskih radova / Mentoring on Doctoral and Master thesis: 6; Vođenje diplomskih radova / Mentoring of Diploma thesis: 113; Stručni projekti, studije i ekspertize / Professional projects, studies and expertise: 70; Kontrole projekata - revizije / Project Controls - Revisions: 120





**Dr. sc. Domagoj Matešan,**  
Redoviti profesor (trajno zvanje) /  
Full Professor (Tenure)

**ZNANSTVENO-NASTAVNO PODRUČJE**  
SCIENTIFIC-TEACHING AREA:

- Eksperimentalna istraživanja ponašanja građevinskih konstrukcija pod statičkim, dinamičkim i dugotrajnim opterećenjem / *Experimental research of structure behaviour under static, dynamic and prolonged load*
- Razvoj novih građevinskih materijala i konstrukcija / *Development of new construction materials and structures*
- Numeričko modeliranje ponašanja građevinskih konstrukcija pod statičkim, dinamičkim i dugotrajnim opterećenjem / *Numerical modelling of behaviour of structures under static, dynamic and prolonged load*

**OBJAVLJENI RADOVI,**  
**MENTORSTVA I PROJEKTI**  
PUBLICATIONS, MENTORING AND  
PROFESSIONAL PROJECTS:

Knjige / Books: 2; Poglavlja u knjizi / *Book chapters*: 5; Znanstveni radovi u časopisima indeksiranim u WoSCC -u / *Scientific papers in journals indexed in WoSCC*: 28; Znanstveni radovi s recenzijom u ostalim časopisima / *Peer reviewed scientific papers in other journals*: 9; Znanstveni i stručni radovi u zbornicima skupova s recenzijom / *Peer reviewed scientific and professional conference papers*: 18; Vođenje diplomskih radova / *Mentoring of Diploma thesis*: 36; Stručni projekti, studije i ekspertize / *Professional projects, studies and expertise*: ~100



**Dr. sc. Nikola Grgić,**  
Izvanredni profesor /  
Associate Professor

**ZNANSTVENO-NASTAVNO PODRUČJE**  
SCIENTIFIC-TEACHING AREA:

- Eksperimentalna istraživanja ponašanja građevinskih konstrukcija pod statičkim, dinamičkim i dugotrajnim opterećenjem / *Experimental research of structure behaviour under static, dynamic and prolonged load*
- Razvoj novih građevinskih materijala i konstrukcija / *Development of new construction materials and structures*
- Numeričko modeliranje ponašanja građevinskih konstrukcija pod statičkim, dinamičkim i dugotrajnim opterećenjem / *Numerical modelling of behaviour of structures under static, dynamic and prolonged load*

**OBJAVLJENI RADOVI,**  
**MENTORSTVA I PROJEKTI**  
PUBLICATIONS, MENTORING AND  
PROFESSIONAL PROJECTS:

Poglavlja u knjizi / *Book chapters*: 3; Znanstveni radovi u časopisima indeksiranim u WoSCC -u / *Scientific papers in journals indexed in WoSCC*: 33; Znanstveni i stručni radovi u zbornicima skupova s recenzijom / *Peer reviewed scientific and professional conference papers*: 18; Vođenje disertacija i magistarskih radova / *Mentoring on Doctoral and Master thesis*: 1; Vođenje diplomskih radova / *Mentoring of Diploma thesis*: 15; Stručni projekti, studije i ekspertize / *Professional projects, studies and expertise*: ~100



**Dr. sc. Marija Smilović Zulim,**  
docentica / Assistant Professor

**ZNANSTVENO-NASTAVNO PODRUČJE**  
SCIENTIFIC-TEACHING AREA:

- Eksperimentalna istraživanja ponašanja građevinskih konstrukcija pod statičkim, dinamičkim i dugotrajnim opterećenjem / *Experimental research of structure behaviour under static, dynamic and prolonged load*
- Razvoj novih građevinskih materijala i konstrukcija / *Development of new construction materials and structures*
- Numeričko modeliranje ponašanja građevinskih konstrukcija pod statičkim, dinamičkim i dugotrajnim opterećenjem / *Numerical modelling of behaviour of structures under static, dynamic and prolonged load*

**OBJAVLJENI RADOVI,**  
**MENTORSTVA I PROJEKTI**  
PUBLICATIONS, MENTORING AND  
PROFESSIONAL PROJECTS:

Poglavlja u knjizi / *Book chapters*: 4; Znanstveni radovi u časopisima indeksiranim u WoS-u / *Scientific papers in journals indexed in WoS*: 11; Znanstveni i stručni radovi u zbornicima skupova s recenzijom / *Peer reviewed scientific and professional conference papers*: 10; Vođenje diplomskih radova / *Mentoring of Diploma thesis*: 10; Stručni projekti, studije i ekspertize / *Professional projects, studies and expertise*: ~100



**Dr. sc. Marina Sunara,**  
docentica / Assistant Professor

**ZNANSTVENO-NASTAVNO PODRUČJE**  
SCIENTIFIC-TEACHING AREA:

- Numeričko modeliranje dinamičke interakcije sustava tekućina-tlo-konstrukcija / *Numerical modelling of dynamic interaction of liquid-soil-structure system*
- Numeričko modeliranje ponašanja građevinskih konstrukcija pod statičkim, dinamičkim i dugotrajnim opterećenjem / *Numerical modelling of behaviour of structures under static, dynamic and prolonged load*

**OBJAVLJENI RADOVI,**  
**MENTORSTVA I PROJEKTI**  
PUBLICATIONS, MENTORING AND  
PROFESSIONAL PROJECTS:

Znanstveni radovi u časopisima indeksiranim u WoS-u / *Scientific papers in journals indexed in WoS*: 7; Znanstveni radovi s recenzijom u ostalim časopisima / *Peer reviewed scientific papers in other journals*: 2; Znanstveni i stručni radovi u zbornicima skupova s recenzijom / *Peer reviewed scientific and professional conference papers*: 8; Vođenje diplomskih radova / *Mentoring of Diploma thesis*: 3; Uredničke knjige / *Edited books*: 1; Stručni projekti, studije i ekspertize / *Professional projects, studies and expertise*: 20



**Dr. sc. Ante Buzov,**  
poslijedoktorand /  
Postdoctoral Researcher

**ZNANSTVENO-NASTAVNO PODRUČJE**  
SCIENTIFIC-TEACHING AREA:

- Eksperimentalna istraživanja ponašanja građevinskih konstrukcija pod statičkim, dinamičkim i dugotrajnim opterećenjem / *Experimental research of structure behaviour under static, dynamic and prolonged load*
- Numeričko modeliranje ponašanja građevinskih konstrukcija pod statičkim, dinamičkim i dugotrajnim opterećenjem / *Numerical modelling of behaviour of structures under static, dynamic and prolonged load*

**VODITELJSTVO I / ILI SUDJELOVANJE NA**  
**AKTUALNIM ISTRAŽIVAČKIM PROJEKTIMA:**  
PROJECT COORDINATOR AND/OR RESEARCHER  
ON CURRENT RESEARCH PROJECTS  
PRAG - PRvi korak u karijeri - poslovi  
budućnosti u Graditeljstvu

**OBJAVLJENI RADOVI,**  
**MENTORSTVA I PROJEKTI**  
PUBLICATIONS, MENTORING AND  
PROFESSIONAL PROJECTS:

Poglavlja u knjizi / *Book chapters*: 1; Znanstveni radovi u časopisima indeksiranim u WoS-u / *Scientific papers in journals indexed in WoS*: 10; Stručni projekti, studije i ekspertize / *Professional projects, studies and expertise*: 30

# KATEDRA ZA GEOTEHNIKU

## DEPARTMENT OF GEOTECHNICAL ENGINEERING

### PREDMETI KOJE ODRŽAVA KATEDRA COURSES TAUGHT BY DEPARTMENT:

#### Preddiplomski studij građevinarstva

- Osnove geologije i petrografije / Introduction to geology and petrography
- Mehanika tla i temeljenje / Soil mechanics and foundations

#### Diplomski studij građevinarstva / Graduate Study of Civil Engineering:

- Geotehničko inženjerstvo / Geotechnical engineering
- Hidrogeologija / Hydrogeology
- Mehanika stijena / Rock mechanics
- Složeno temeljenje / Complex foundations
- Zemljani radovi / Earthworks

#### PSSAU

- Elementi zgrada II (dio) / Elements of buildings II

#### SSG

- Mehanika tla i temeljenje / Soil mechanics and foundations
- Inženjerska geologija i zemljani radovi / Engineering geology and earthworks

### PODRUČJE ZNANSTVENO-ISTRAŽIVAČKOG RADA/ AREA OF SCIENTIFIC RESEARCH:

- Mehanika stijena i stijensko inženjerstvo / Rock mechanics and rock engineering
- Meke stijene / Soft rocks
- Nesaturirano tlo / Unsaturated soil
- Rastrošba / Weathering
- Geotehnika krša / Geotechnics of the karst

### PODRUČJE STRUČNOG RADA AREA OF PROFESSIONAL WORK:

- Geomehaničko ispitivanje tla i stijena / Geomechanical testing of soil and rocks
- Temeljenje / Foundations
- Stabilnost kosina / Stability of cut slopes
- Pobljšanje temeljnog tla / Improvement of foundation soil
- Geotehničke građevine / Geotechnical structures
- Hidrogeologija / Hydrogeology
- Geologija i petrologija / Geology and petrology
- Inženjerska geologija / Engineering geology

### ČLANICE I ČLANOVI KATEDRE MEMBERS OF THE DEPARTMENT:



**Dr. sc. Predrag Mišćević,**  
Redoviti profesor (trajno zvanje) / Full Professor (Tenure)  
Šef katedre / Head of the Chair

#### ZNANSTVENO-NASTAVNO PODRUČJE SCIENTIFIC-TEACHING AREA:

- Mehanika tla i stijena / Soil and rock mechanics
- Geotehničke konstrukcije / Geotechnical constructions
- Rastrošba mekih stijena / Weathering of soft rock
- Zemljani radovi / Earthwork

#### OBJAVLJENI RADOVI, MENTORSTVA I PROJEKTI PUBLICATIONS, MENTORING AND PROFESSIONAL PROJECTS:

Knjige / Books: 3; Poglavlja u knjizi / Book chapters: 3; Znanstveni radovi u časopisima indeksiranim u WoS-u / Scientific papers in journals indexed in WoS: 22; Znanstveni radovi s recenzijom u ostalim časopisima / Peer reviewed scientific papers in other journals: 19; Znanstveni i stručni radovi u zbornicima skupova s recenzijom / Peer reviewed scientific and professional conference papers: 39; Vođenje disertacija i magistarskih radova / Mentoring on dissertations and Master thesis: 6; Vođenje diplomskih radova / Mentoring of Diploma thesis: 65; Stručni projekti, studije i ekspertize / Professional projects, studies and expertise: 2000; Kontrole projekata - revizije / Project Controls - Revisions: 400

#### VODITELJSTVO I / ILI SUDJELOVANJE NA AKTUALNIM ISTRAŽIVAČKIM PROJEKTIMA PROJECT COORDINATOR AND/OR RESEARCHER ON CURRENT RESEARCH PROJECTS

- Eksperimentalna i numerička istraživanja mehanizama u nesaturiranim geomaterijalima / Experimental and numerical investigations of mechanisms in unsaturated geomaterials. (UIP-2017-05-3429, 2018.-2023.)
- „PRAG – PRvi korAk u karijeri – poslovi budućnosti u Graditeljstvu“, referentni broj UP.03.1.1.04.0047, Europski socijalni fond, OP Učinkoviti ljudski potencijali 2014. – 2020., u sklopu poziva UP.03.1.1.04, Razvoj, unapređenje i provedba stručne prakse u visokom obrazovanju.

#### NAGRADE I PRIZANJA AWARDS AND HONORS:

- Nagrada za znanstvenu izvrsnost (Časopis Građevinar, 2020) / Award for scientific excellence (Građevinar journal, 2020)
- Rektorova nagrada za akademsku izvrsnost (Sveučilište u Splitu, Građevinski fakultet, 1983) / Rector's award for academic excellence (University of Split, Faculty of Civil Engineering, 1983)



**Dr. sc. Nataša Štambuk  
Cvitanović,**  
izvanredna profesorica /  
Associate Professor

#### ZNANSTVENO-NASTAVNO PODRUČJE SCIENTIFIC-TEACHING AREA:

- Mehanika tla i stijena / Soil and rock mechanics
- Temeljenje / Foundation engineering
- Rastrošba mekih stijena / Weathering of soft rock
- Mehanika nesaturiranog tla / Unsaturated soil mechanics

#### OBJAVLJENI RADOVI, MENTORSTVA I PROJEKTI PUBLICATIONS, MENTORING AND PROFESSIONAL PROJECTS:

Knjige / Books: 1; Uredničke knjige (zbornici) / Edited books (Proceedings): 1; Poglavlja u knjizi / Book chapters: 1; Znanstveni radovi u časopisima indeksiranim u WoS-u / Scientific papers in journals indexed in WoS: 4; Znanstveni radovi s recenzijom u ostalim časopisima / Peer reviewed scientific papers in other journals: 3; Znanstveni i stručni radovi u zbornicima skupova s recenzijom / Peer reviewed scientific and professional conference papers: 23; Sažeci sa skupova / Conference abstracts: 2; Vođenje disertacija i magistarskih radova / Mentoring on dissertations and Master thesis: 1; Vođenje diplomskih/završnih radova / Mentoring of Diploma thesis: 22; Stručni projekti, studije i ekspertize / Professional projects, studies and expertise: 500

#### VODITELJSTVO I / ILI SUDJELOVANJE NA AKTUALNIM ISTRAŽIVAČKIM PROJEKTIMA PROJECT COORDINATOR AND/OR RESEARCHER ON CURRENT RESEARCH PROJECTS

- Eksperimentalna i numerička istraživanja mehanizama u nesaturiranim geomaterijalima; naručitelj: HRZZ / Experimental and numerical investigations of mechanisms in unsaturated geomaterials; financed by the Croatian Science Foundation (voditelj projekta / project leader) UIP-2017-05-3429, 2018.-2023.



**Dr.sc. Goran Vlastelica**  
Docent / Assistant Professor

**ZNANSTVENO-NASTAVNO PODRUČJE**  
SCIENTIFIC-TEACHING AREA:

- Mehanika tla i stijena / *Soil and rock mechanics*
- Mehanika mekih stijena / *Soft rock mechanics*
- Geotehničko inženjerstvo / *Geotechnical engineering*
- Zemljani radovi / *Earthworks*

**OBJAVLJENI RADOVI, MENTORSTVA I PROJEKTI**  
PUBLICATIONS, MENTORING AND PROFESSIONAL PROJECTS:

Knjige / Books: 3; Poglavlja u knjizi / *Book chapters*: 1; Znanstveni radovi u časopisima indeksiranim u WoS-u / *Scientific papers in journals indexed in WoS*: 8; Znanstveni radovi s recenzijom u ostalim časopisima / *Peer reviewed scientific papers in other journals*: 4; Znanstveni i stručni radovi u zbornicima skupova s recenzijom / *Peer reviewed scientific and professional conference papers*: 17; Vođenje diplomskih radova / *Mentoring of Diploma thesis*: 4; Stručni projekti, studije i ekspertize / *Professional projects, studies and expertise*: više od 100

**VODITELJSTVO I / ILI SUDJELOVANJE NA AKTUALNIM ISTRAŽIVAČKIM PROJEKTIMA**  
PROJECT COORDINATOR AND/OR RESEARCHER ON CURRENT RESEARCH PROJECTS

Eksperimentalna i numerička istraživanja mehanizama u nesaturiranim geomaterijalima / *Experimental and numerical investigations of mechanisms in unsaturated geomaterials*. (UIP-2017-05-3429, 2018.-2023.)

**NAGRADE I PRIZANJA**  
AWARDS AND HONORS:

Nagrada za znanstvenu izvrsnost (Časopis Građevinar, 2020) / *Award for scientific excellence (Građevinar journal, 2020)*  
Nagrada za najbolji doktorski rad iz područja građevinarstva (Hrvatski savez građevinskih inženjera, 2015) / *Award for the best PhD thesis in the area of Civil Engineering (Croatian Association of Civil Engineers, 2015)*  
Dekanova nagrada za akademsku izvrsnost (Sveučilište u Splitu, Fakultet građevinarstva, arhitekture i geodezije, 2007) / *Dean's award for academic excellence (University of Split, Faculty of Civil Engineering, Architecture and Geodesy, 2007)*



**Tanja Roje-Bonacci,**  
Profesor emeritus /  
Professor Emerita

**ZNANSTVENO-NASTAVNO PODRUČJE**  
SCIENTIFIC-TEACHING AREA:

- Geotehnika / *Geotechnical engineering*

**OBJAVLJENI RADOVI, MENTORSTVA I PROJEKTI**  
PUBLICATIONS, MENTORING AND PROFESSIONAL PROJECTS:

Knjige / Books: 9; Poglavlja u knjizi / *Book chapters*: 2; Znanstveni radovi u časopisima indeksiranim u Current Contents-u / *Scientific papers in journals indexed in CC*: 19; Znanstveni radovi s recenzijom u ostalim časopisima / *Peer reviewed scientific papers in other journals*: 47; Znanstveni i stručni radovi u zbornicima skupova s recenzijom / *Peer reviewed scientific and professional conference papers*: 32; Vođenje disertacija i magistarskih radova / *Mentoring on dissertations and Master thesis*: 1; Vođenje diplomskih radova / *Mentoring of Diploma thesis*: 27; Stručni projekti, studije i ekspertize / *Professional projects, studies and expertise*: više od 1000; Kontrole projekata - revizije / *Project Controls - Revisions*: 200

**VANJSKE SURADNICE I SURADNICI KATEDRE**  
ASSOCIATE MEMBERS OF THE DEPARTMENT:



**Dr. sc. Tatjana Vlahović,**  
Redovita profesorica (trajno zvanje) / Full Professor (Tenure)

**ZNANSTVENO-NASTAVNO PODRUČJE**  
SCIENTIFIC-TEACHING AREA:

- Hidrogeologija / *Hydrogeology*
- Geologija i petrologija / *Geology and Petrology*
- Inženjerska geologija / *Engineering Geology*
- Hidrogeokemija / *Hydrogeochemistry*

**OBJAVLJENI RADOVI, MENTORSTVA I PROJEKTI**  
PUBLICATIONS, MENTORING AND PROFESSIONAL PROJECTS:

Knjige / Books: 2; Znanstveni radovi u časopisima indeksiranim u WoS-u / *Scientific papers in journals indexed in WoS*: 5; Znanstveni radovi s recenzijom (Chemical Abstracts, Emerging Sources Citation Index (Thomson Reuters, WoS, Core Collection), Engineering Village /EI Compendex + Geobase + GeoRef AGI/ + Fluidex + Scopus (Elsevier), EuroPub, Geotechnical abstracts, Google Scholar, Petroleum Abstracts, Referativnij žurnal) u ostalim časopisima / *Peer reviewed scientific papers in other journals*: 14; Znanstveni i stručni radovi u zbornicima skupova s recenzijom / *Peer reviewed scientific and professional conference papers*: 48; Vođenje disertacija i magistarskih radova / *Mentoring on dissertations and Master thesis*: 1; Stručni projekti, studije i ekspertize / *Professional projects, studies and expertise*: cca 50

**NAGRADE I PRIZANJA**  
AWARDS AND HONORS:

1999. - godišnja nagrada Hrvatskih voda za najbolju disertaciju iz područja vodnog gospodarstva/ 1999 - *Annual award of Hrvatske vode for the best dissertation in the field of water management*



**Nataša Pavić,**  
Asistentica /  
Teaching Assistant

**ZNANSTVENO-NASTAVNO PODRUČJE**  
SCIENTIFIC-TEACHING AREA:

- Hidrogeologija / *Hydrogeology*
- Geologija i petrologija / *Geology and petrology*
- Inženjerska geologija / *Engineering geology*

**OBJAVLJENI RADOVI, MENTORSTVA I PROJEKTI**  
PUBLICATIONS, MENTORING AND PROFESSIONAL PROJECTS:

Znanstveni radovi u časopisima indeksiranim u WoS-u / *Scientific papers in journals indexed in WoS*: 2

# KATEDRA ZA GOSPODARENJE VODAMA I ZAŠTITU VODA / WATER MANAGEMENT AND WATER PROTECTION

## PREDMETI KOJE ODRŽAVA KATEDRA COURSES TAUGHT BY DEPARTMENT

- **Vodoopskrba i kanalizacija /**  
*Water Supply and Sewerage System*
- **Hidrotehnički sustavi /**  
*Hydrotechnical Systems*
- **Zaštita voda i pročišćavanje komunalnih  
otpadnih i oborinskih voda /**  
*Protection of Water Resources,  
Municipal Wastewater and Stormwater Treatment*
- **Gospodarenje komunalnim krutim otpadom /**  
*Municipal Solid Waste Management*
- **Sustavno inženjerstvo u planiranju i  
upravljanju vodospremišta /**  
*Systems Engineering in Planning and Management  
of Water Reservoirs*
- **Održivi urbani vodni resursi /**  
*Sustainable Urban Water Systems*

## PODRUČJE ZNANSTVENO-ISTRAŽIVAČKOG RADA AREA OF SCIENTIFIC RESEARCH:

- **Primjena sustavnog inženjerstva u hidrotehnici /**  
*Implementation of systematic engineering in hydrotechnics*
- **Prilagodbe klimatskim promjenama u vodnomom  
gospodarstvu /**  
*Climate change adaptation in water  
resource management*
- **Sustavi za podršku u odlučivanju u zaštiti voda i mora /**  
*Decision making support systems in in water and sea  
preservation*
- **Hidrologija krša /**  
*Karst Hydrology*
- **Gospodarenje otpadom /**  
*Waste management*

## PODRUČJE STRUČNOG RADA AREA OF PROFESSIONAL WORK:

- **Upravljanje vodama i vodno-gospodarsko planiranje /**  
*Water supply management and water resources  
management planning*
- **Zaštita voda /**  
*Water protection*
- **Planiranje, projektiranje, upravljanje urbanim  
vodnim sustavom /**  
*Planning, design and  
management of urban water system*
- **Planiranje, projektiranje, upravljanje sustavom za  
gospodarenje krutim otpadom /**  
*Planning, design and solid waste management system*
- **Izrada hidroloških modela i analiza /**  
*Hydrological modelling and analysis*

## ČLANICE I ČLANOVI KATEDRE MEMBERS OF THE DEPARTMENT:



**Dr. sc. Ivo Andrić**  
Izvanredni profesor /  
Associate Professor

### ZNANSTVENO-NASTAVNO PODRUČJE SCIENTIFIC-TEACHING AREA:

- Upravljanje vodnim resursima /  
*Water resources management*
- Klimatske promjene i vodni resursi,  
*Climate changes and water resources*
- Hidrologija krša /  
*Karst hydrology*
- Gospodarenje otpadom /  
*Waste management*

### OBJAVLJENI RADOVI, MENTORSTVA I PROJEKTI PUBLICATIONS, MENTORING AND PROFESSIONAL PROJECTS:

Znanstveni radovi u časopisima indeksiranim u WoS-u / *Scientific papers in journals indexed in WoS*: 16; Znanstveni radovi s recenzijom u ostalim časopisima / *Peer reviewed scientific papers in other journals*: 1; Znanstveni i stručni radovi u zbornicima skupova s recenzijom / *Peer reviewed scientific and professional conference papers*: 16; Vođenje disertacija i magistarskih radova / *Mentoring on Doctoral and Master thesis*: 1; Vođenje diplomskih radova / *Mentoring of Diploma thesis*: 7; Stručni projekti, studije i ekspertize / *Professional projects, studies and expertise*: 12

### VODITELJSTVO I / ILI SUDJELOVANJE NA AKTUALNIM ISTRAŽIVAČKIM PROJEKTIMA: PROJECT COORDINATOR AND/OR RESEARCHER ON CURRENT RESEARCH PROJECTS

- **VODIME-Vode Imotske krajine**  
KK.05.1.1.02.0024 EU fond za regionalni razvoj, OP Konkurentnost i kohezija, u sklopu poziva KK.05.1.1.02, Shema za jačanje primijenjenih istraživanja za mjere prilagodbe klimatskim promjenama, voditelj
- IRI, **Razvoj sustava odvodnje na horizontalnim površinama od propusnog betona**, EU Strukturni fondovi, član
- IRI, **Pinna Nobilis** (KK.01.2.1.02.0176), Povraćanje razvoja novih proizvoda i usluga koji proizlaze iz aktivnosti istraživanja i razvoja, EU Strukturni fondovi, suvoditelj
- **MOST Monitoring Sea-water intrusion in coastal aquifers and Testing pilot projects for its mitigation**, Interreg, Italy Croatia cross-border cooperation programme, član
- **CWC - City water circle**, Italy Croatia cross-border cooperation programme, član



**Dr. sc. Katarina Rogulj**  
Docentica /  
Assistant Professor

### ZNANSTVENO-NASTAVNO PODRUČJE SCIENTIFIC-TEACHING AREA:

- Upravljanje vodnim resursima /  
*Water resources management*
- Klimatske promjene i vodni resursi /  
*Climate changes and water resources*
- Operacijska istraživanja /  
*Operational Research*
- Sustavi za podršku odlučivanju /  
*Decision Support Systems*

### OBJAVLJENI RADOVI, MENTORSTVA I PROJEKTI PUBLICATIONS, MENTORING AND PROFESSIONAL PROJECTS:

Znanstveni radovi u časopisima indeksiranim u WoS-u / *Scientific papers in journals indexed in WoS*: 15; Znanstveni radovi s recenzijom u ostalim časopisima / *Peer reviewed scientific papers in other journals*: 0; Znanstveni i stručni radovi u zbornicima skupova s recenzijom / *Peer reviewed scientific and professional conference papers*: 4; Vođenje disertacija i magistarskih radova / *Mentoring on Doctoral and Master thesis*: 0; Vođenje diplomskih radova / *Mentoring of Diploma thesis*: 1; Stručni projekti, studije i ekspertize / *Professional projects, studies and expertise*: 3

### VODITELJSTVO I / ILI SUDJELOVANJE NA AKTUALNIM ISTRAŽIVAČKIM PROJEKTIMA: PROJECT COORDINATOR AND/OR RESEARCHER ON CURRENT RESEARCH PROJECTS

Interreg ITA CRO: DEEP SEA- Razvoj planiranja energetske učinkovitosti i mobilnih usluga marina na Jadranskoj obali



**Adrijana Vrsalović**  
Asistentica /  
Teaching Assistant

**ZNANSTVENO-NASTAVNO PODRUČJE**

**SCIENTIFIC-TEACHING AREA:**

- Upravljanje vodnim resursima / *Water resources management*
- Klimatske promjene i vodni resursi / *Climate changes and water resources*
- Hidrologija krša / *Karst hydrology*

**OBJAVLJENI RADOVI, MENTORSTVA I PROJEKTI**

**PUBLICATIONS, MENTORING AND PROFESSIONAL PROJECTS:**

Znanstveni radovi u časopisima indeksiranim u WoS-u / *Scientific papers in journals indexed in WoS*: 1; Znanstveni radovi s recenzijom u ostalim časopisima / *Peer reviewed scientific papers in other journals*: 1; Znanstveni i stručni radovi u zbornicima skupova s recenzijom / *Peer reviewed*

*scientific and professional conference papers*: 0; Vođenje disertacija i magistarskih radova / *Mentoring on Doctoral and Master thesis*: 0; Vođenje diplomskih radova / *Mentoring of Diploma thesis*: 0; Stručni projekti, studije i ekspertize / *Professional projects, studies and expertise*: 0

**VODITELJSTVO I / ILI SUDJELOVANJE NA AKTUALNIM ISTRAŽIVAČKIM PROJEKTIMA:**

PROJECT COORDINATOR AND/OR RESEARCHER ON CURRENT RESEARC PROJECTS  
VODIME - Vode Imotske krajine  
KK.05.1.1.02.0024 EU fond za regionalni razvoj, OP Konkurentnost i kohezija, u sklopu poziva KK.05.1.1.02, Shema za jačanje primijenjenih istraživanja za mjere prilagodbe klimatskim promjenama, asistent na projektu

**VODITELJSTVO I / ILI SUDJELOVANJE NA AKTUALNIM ISTRAŽIVAČKIM PROJEKTIMA:**

PROJECT COORDINATOR AND/OR RESEARCHER ON CURRENT RESEARC PROJECTS  
IRI, Pinna Nobilis (KK.01.2.1.02.0176), Povećanje razvoja novih proizvoda i usluga koji proizlaze iz aktivnosti istraživanja i razvoja, EU Strukturni fondovi, viši stručni suradnik

diplomskih radova / *Mentoring of Diploma thesis*: 124; Ostali radovi: 42; Stručni projekti, studije i ekspertize / *Professional projects, studies and expertise*: više od 150  
Autorstvo: 298

**VODITELJSTVO I / ILI SUDJELOVANJE NA AKTUALNIM ISTRAŽIVAČKIM PROJEKTIMA:**

PROJECT COORDINATOR AND/OR RESEARCHER ON CURRENT RESEARC PROJECTS  
Interreg Italy-Croatia; Adriadapt (2019-2021)  
Interreg Italy-Croatia; Change we care (2021)  
Interreg central Europa: City water circle (2019-2021)

**NAGRADE I PRIZNANJA / AWARDS AND HONORS:**

Nagrada za najbolju prezentaciju kongresa IWA Jordan, Nagrada za najbolju prezentaciju kongresa SGEM Bugarska, Godišnje nagrade Hrvatskih voda za najbolje objavljeno djelo za godine 1999., 2009., 2010. i 2018., Plaketa povodom 30. godišnjice Građevinskog fakulteta u Mostaru, Priznanje za doprinos u radu i izdavanju časopisa Hrvatske vode od 1993. do 2000., Spomenica Domovinskog rata i Nagrada "Jaroslav Černi" za najboljeg studenta 1973.



**Fanito Pletikosić**  
Asistent /  
Teaching Assistant

**OBJAVLJENI RADOVI, MENTORSTVA I PROJEKTI**

Znanstveni radovi u časopisima indeksiranim u WoS-u / *Scientific papers in journals indexed in WoS*: 1; Znanstveni radovi s recenzijom u ostalim časopisima / *Peer reviewed scientific papers in other journals*: 0; Znanstveni i stručni radovi u zbornicima skupova s recenzijom / *Peer reviewed scientific and professional conference papers*: 0; Vođenje disertacija i magistarskih radova / *Mentoring on Doctoral and Master thesis*: 0; Vođenje diplomskih radova / *Mentoring of Diploma thesis*: 0; Stručni projekti, studije i ekspertize / *Professional projects, studies and expertise*: 0

**OBJAVLJENI RADOVI, MENTORSTVA I PROJEKTI**

- Gospodarenje vodama / *Water Resources Management*
- Sistemsko inženjerstvo u upravljanju vodama / *Water resources system engineering*
- Urbani vodni sustav / *Urban water system*
- Upravljanje tekućim i krutim otpadom urbanih sredina / *Municipal liquid and solid waste treatment and management*

**OBJAVLJENI RADOVI, MENTORSTVA I PROJEKTI**

Autorske knjige / *Books*: 9; Obrazovni materijali / *Lecture notes*: 18; Poglavlja u knjizi / *Book chapters*: 15; Izvorni znanstveni radovi u časopisima / *Scientific papers in journals*: 67; radovi s recenzijom u ostalim časopisima / *papers in other journals*: 30; Znanstveni i stručni radovi u zbornicima skupova s recenzijom / *Peer reviewed scientific and professional conference papers*: 78; Sažeci sa skupova / *conference abstract*: 26 Patenti / *Patents*: 3; Vođenje disertacija i magistarskih radova / *Mentoring on Doctoral and Master thesis*: 16; Vođenje



**Jure Margeta**  
Profesor emeritus /  
Professor Emeritus



# GRAĐEVINSKI MATERIJALI MATERIALS

## PREDMETI KOJE ODRŽAVA KATEDRA COURSES TAUGHT BY DEPARTMENT

### PREDDIPLOMSKI STUDIJ GRAĐEVINARSTVA UNDERGRADUATE STUDY OF CIVIL ENGINEERING:

- Građevinski materijali I / *Building materials I*
- Građevinski materijali II / *Building materials II*

### DIPLOMSKI STUDIJ GRAĐEVINARSTVA GRADUATE STUDY OF CIVIL ENGINEERING:

- Građevinski materijali II / *Building materials II*

### STRUČNI STUDIJ GRAĐEVINARSTVA / PROFESSIONAL STUDY OF CIVIL ENGINEERING

- Građevinski materijali / *Building materials*

### POSLIJEDIPLOMSKI DOKTORSKI STUDIJ GRAĐEVINARSTVA POSTGRADUATE DOCTORAL STUDY OF CIVIL ENGINEERING

- Reologija materijala / *Rheology of Materials*
- Novi materijali u građevinarstvu / *Novel Construction Materials*

## PODRUČJE ZNANSTVENO-ISTRAŽIVAČKOG RADA AREA OF SCIENTIFIC RESEARCH

- **Cementni kompoziti ojačani prirodnim vlaknima** / *Cement composites reinforced with natural fibers*
- **Ispitivanje utjecaja visokih temperatura na preostala svojstva betona** / *Investigation of the influence of high temperatures on the residual properties of concrete*
- **Određivanje reoloških svojstava svježeg vibriranog betona i primjena** / *Determination of rheological properties of fresh vibrated concrete and implementation*
- **Modeliranje posebnih svojstava betona: trajnost, utjecaj okoliša, visoke čvrstoće, nisko puzanje, hidrotehnički beton, laki beton, propusni beton** / *Modelling of special properties of concrete: durability, environmental impact, high strength, low creep, hydro-technical concrete, light concrete, pervious concrete*
- **Specijalni betoni** / *Special concretes*

## PODRUČJE STRUČNOG RADA AREA OF PROFESSIONAL WORK

- **Projektiranje sastava svih vrsta običnog, pumpanog, propusnog, prskanog i samozbijajućeg betona** / *Design of concrete composition for all types of normal, pumped, pervious, shotcrete and self compacting concrete*
- **Projektiranje tehnološkog procesa proizvodnje agregata i postrojenja; studije sirovine** / *Aggregate and plant technological production process design; raw material studies*
- **Ispitivanje građevinskih materijala** / *Testing building materials*

## ČLANICE I ČLANOVI KATEDRE MEMBERS OF THE DEPARTMENT:



**Dr. Sc. Sandra Juradin,**  
Redovita profesorica /  
Full Professor  
Šef katedre /  
Head of the Chair

### ZNANSTVENO-NASTAVNO PODRUČJE SCIENTIFIC-TEACHING AREA:

- Modeliranje i ispitivanje betona, cementnih i vapnenih mortova ojačanih s agromaterijalom
- Modeliranje i ispitivanje preostalih svojstava betona izloženih visokim temperaturama
- Modeliranje i ispitivanje svojstava propusnih betona
- Određivanje reoloških svojstava svježeg vibriranog betona
- Modeliranje i ispitivanje svojstava betona sa recikliranim materijalima (tekstilni otpad, građevinski otpad, EE otpad)

### OBJAVLJENI RADOVI, MENTORSTVA I PROJEKTI PUBLICATIONS, MENTORING AND PROFESSIONAL PROJECTS:

- Znanstveni radovi u časopisima indeksiranim u WoSCC-u / Scientific papers in journals indexed in WoSCC : 15, Znanstveni i stručni radovi u zbornicima skupova s recenzijom / Peer reviewed scientific and professional conference papers: 21, Sažeci sa skupova / Conference abstracts: 4, Poglavlja u knjizi / Book chapters: 1; Mentorstvo na diplomskim i završnim radovima/Mentoring of Diploma

thesis and Final work: 100 (49+51), Vodenje znanstvenih projekata / Scientific project coordination: 1  
• CROSBİ profile: <https://www.bib.irb.hr/pregled/profil/15368>

### VODITELJSTVO I / ILI SUDJELOVANJE NA AKTUALNIM ISTRAŽIVAČKIM PROJEKTIMA: PROJECT COORDINATOR AND/OR RESEARCHER ON CURRENT RESEARCH PROJECTS

Projekt INFRA (KK.01.1.1.02.0027) sufinanciran iz Državnog proračuna Republike Hrvatske i od strane Europske unije iz Europskog fonda za regionalni razvoj unutar Operativnog programa "Konkurentnost i kohezija" (voditelj SLJ – Laboratorij za materijale, istraživač na projektu) / *Project INFRA (KK.01.1.1.02.0027) co-financed by the Croatian Government and the European Union through the European Regional Development Fund - the Competitiveness and Cohesion Operational Program (head of SLJ - Materials Research Laboratory, researcher) financed by the Ministry of Science, Education and Sports of the R. of Croatia (istraživač / researcher)*



**dr.sc. Goran Baloević**  
Docent / Assistant Professor

### ZNANSTVENO-NASTAVNO PODRUČJE SCIENTIFIC-TEACHING AREA:

- Ispitivanje i modeliranje ponašanja građevinskih materijala i konstrukcija pod statičkim, dinamičkim i udarnim opterećenjem
- Eksperimentalno ispitivanje i modeliranje posebnih svojstava betona (fizičko-mehanička svojstva, trajnost, volumna stabilnost)
- Određivanje reoloških svojstava svježeg betona
- Specijalni betoni i njihova primjena

### OBJAVLJENI RADOVI, MENTORSTVA I PROJEKTI PUBLICATIONS, MENTORING AND PROFESSIONAL PROJECTS:

- Znanstveni radovi u časopisima indeksiranim u WoSCC-u / Scientific papers in journals indexed in WoSCC-: 23;; Znanstveni i stručni radovi u zbornicima skupova s recenzijom / Peer reviewed scientific and professional conference papers: 16; Sažeci sa skupova / Conference abstracts: 20; Stručni projekti, studije i ekspertize / Professional projects, studies and expertise: 30; Mentorstvo na diplomskim i završnim radovima/Mentoring of Diploma thesis and Final work: 13 (4+9) CROSBİ profile: <https://www.bib.irb.hr/pregled/profil/24927>

### VODITELJSTVO I / ILI SUDJELOVANJE NA AKTUALNIM ISTRAŽIVAČKIM PROJEKTIMA PROJECT COORDINATOR AND/OR RESEARCHER ON CURRENT RESEARCH PROJECTS

- „Seizmička izolacija osnove građevine s uporabom prirodnih materijala - testiranje s potresnom platformom i numeričko modeliranje“, HRZZ projekt, ID5325, 2017-2021
- Projekt INFRA (KK.01.1.1.02.0027) sufinanciran iz Državnog proračuna Republike Hrvatske i od strane Europske unije iz Europskog fonda za regionalni razvoj unutar Operativnog programa "Konkurentnost i kohezija" (zamjenik voditelja SLJ – Laboratorij za materijale, istraživač na projektu) / *Project INFRA (KK.01.1.1.02.0027) co-financed by the Croatian Government and the European Union through the European Regional Development Fund - the Competitiveness and Cohesion Operational Program (co-head of SLJ - Materials Research Laboratory, researcher)*

# HIDROLOGIJA / HYDROLOGY

## PREDMETI KOJE ODRŽAVA KATEDRA COURSES TAUGHT BY DEPARTMENT:

### PREDDIPLOMSKI STUDIJ GRAĐEVINARSTVA UNDERGRADUATE STUDY OF CIVIL ENGINEERING:

- Hidrologija / Hydrology;

### DIPLOMSKI STUDIJ GRAĐEVINARSTVA GRADUATE STUDY OF CIVIL ENGINEERING:

- Navodnjavanje i odvodnjavanje / Irrigation and drainage,
- Inženjerska hidrologija / Engineering hydrology,
- Uređenje vodotoka / Regulation of watercourses,
- Hidrologija krša / Karst hydrology,
- Modeliranje kakvoće površinskih voda / Modelling of surface water quality;

### POSLIJEDIPLOMSKI DOKTORSKI STUDIJ GRAĐEVINARSTVA POSTGRADUATE DOCTORAL STUDY OF CIVIL ENGINEERING

- Vodni resursi krša / Karst water resources,
- Ekohidrologija / Ecohydrology,
- Hidrološko modeliranje u kršu / Hydrological modelling in karst,
- Odabrana poglavlja iz hidrogeologije krša / Selected chapters on karst hydrogeology,
- Analiza hidroloških vremenskih nizova / Analysis of hydrology time series;

### STRUČNI STUDIJ GRAĐEVINARSTVA / PROFESSIONAL STUDY OF CIVIL ENGINEERING

- Hidrologija / Hydrology,
- Zaštita voda / Water pollution control.

## PODRUČJE ZNANSTVENO-ISTRAŽIVAČKOG RADA AREA OF SCIENTIFIC RESEARCH

- Hidrologija krša / Karst hydrology,
- Analiza hidroloških vremenskih nizova / Analysis of hydrological time series,
- Hidrološko modeliranje / Hydrological modelling,
- Ekstremne hidrološke pojave i analiza vodnog rizika / Extreme hydrological occurrences and water risk analysis,

## PODRUČJE STRUČNOG RADA AREA OF PROFESSIONAL WORK

- Inženjerska hidrologija / Engineering Hydrology,
- Uređenje i obnova vodotoka / River Restoration and Regulation,
- Zaštita vodnih resursa / Water resource preservation.

## ČLANICE I ČLANOVI KATEDRE MEMBERS OF THE DEPARTMENT:



**Dr. sc. Damir Jukić,**  
Redoviti profesor  
(trajno zvanje) /  
Full Professor (Tenure)  
Šef katedre /  
Head of the Chair

### ZNANSTVENO-NASTAVNO PODRUČJE

#### SCIENTIFIC-TEACHING AREA:

- Hidrologija krša / Karst hydrology,
- Hidrološko modeliranje i modeliranje kakvoće voda / Hydrological and water quality modelling,
- Analiza vremenskih nizova / Time series analyses,
- Uređenje i obnova vodotoka / River restoration and regulation,
- Ekohidrologija / Ecohydrology.

### OBJAVLJENI RADOVI, MENTORSTVA I PROJEKTI

#### PUBLICATIONS, MENTORING AND PROFESSIONAL PROJECTS:

Poglavlja u knjizi / Book chapters: 1;  
Znanstveni radovi indeksirani u WoS-u /  
Scientific papers indexed in WoS: 13;  
Znanstveni radovi s recenzijom u ostalim  
časopisima / Peer reviewed scientific  
papers in other journals: 5;  
Znanstveni i stručni radovi u zbornicima  
skupova s recenzijom / Peer reviewed  
scientific and professional  
conference papers: 25;  
Vođenje diplomskih radova /  
Mentoring of Diploma thesis: 50  
Vođenje znanstvenih projekata /

### ZNANSTVENO-NASTAVNO PODRUČJE

#### SCIENTIFIC-TEACHING AREA:

- Hidrologija / Hydrology,
- Hidrološko modeliranje u kršu / Hydrological modelling in karst,
- Analiza hidroloških vremenskih nizova / Hydrological time series analysis.

### OBJAVLJENI RADOVI, MENTORSTVA I PROJEKTI

#### PUBLICATIONS, MENTORING AND PROFESSIONAL PROJECTS:

Poglavlja u knjizi / Book chapters: 1;  
Znanstveni radovi indeksirani u WoS-u /  
Scientific papers indexed in WoS: 13;  
Znanstveni radovi s recenzijom u ostalim  
časopisima / Peer reviewed scientific  
papers in other journals: 1;  
Znanstveni i stručni radovi u zbornicima  
skupova s recenzijom / Peer reviewed  
scientific and professional conference  
papers: 21;  
Vođenje diplomskih radova /  
Mentoring of Diploma thesis: 92  
Vođenje znanstvenih projekata /  
Scientific project coordination: 1  
Suradnja na znanstvenim projektima /  
Scientific project research: 4

Scientific project coordination: 1  
Suradnja na znanstvenim projektima /  
Scientific project research: 4

### VODITELJSTVO I / ILI SUDJELOVANJE NA AKTUALNIM ISTRAŽIVAČKIM PROJEKTIMA:

#### PROJECT COORDINATOR AND/OR RESEARCHER ON CURRENT RESEARCH PROJECTS

Projekt INFRA FGAG (KK.01.1.1.02.0027)  
sufinanciran iz Državnog proračuna  
Republike Hrvatske i od strane Europske  
unije iz Europskog fonda za regionalni  
razvoj unutar Operativnog programa  
"Konkurentnost i kohezija" (istraživač  
na projektu) /  
Project INFRA FGAG (KK.01.1.1.02.0027)  
co-financed by the Croatian Government  
and the European Union through the  
European Regional Development Fund - the  
Competitiveness and Cohesion Operational  
Program (researcher)

### NAGRADE I PRIZNANJA / AWARDS AND HONORS:

Nagrada Hrvatskih voda za najbolju  
doktorsku disertaciju u 2005. god. /  
Croatian Waters Award for the best PhD  
thesis in 2005.

### VODITELJSTVO I / ILI SUDJELOVANJE NA AKTUALNIM ISTRAŽIVAČKIM PROJEKTIMA:

#### PROJECT COORDINATOR AND/OR RESEARCHER ON CURRENT RESEARCH PROJECTS

Projekt INFRA FGAG (KK.01.1.1.02.0027)  
sufinanciran iz Državnog proračuna  
Republike Hrvatske i od strane Europske  
unije iz Europskog fonda za regionalni  
razvoj unutar Operativnog programa  
"Konkurentnost i kohezija" (istraživač  
na projektu) / Project INFRA FGAG  
(KK.01.1.1.02.0027) co-financed by the  
Croatian Government and the European Union  
through the European Regional Development  
Fund - the Competitiveness and Cohesion  
Operational Program (researcher)

### NAGRADE I PRIZNANJA / AWARDS AND HONORS:

Nagrada Hrvatskih voda za najbolju  
doktorsku disertaciju u 2001. god. /  
Croatian Waters Award for the best  
PhD thesis in 2001.



**Dr.sc. Ana Kadić,**  
asistentica / Assistant

**ZNANSTVENO-NASTAVNO PODRUČJE**  
SCIENTIFIC-TEACHING AREA:

- Hidrologija / Hydrology,
- Inženjerska hidrologija / Engineering hydrology,
- Navodnjavanje i odvodnjavanje / Irrigation and drainage,
- Zaštita voda / Water protection.

**OBJAVLJENI RADOVI, MENTORSTVA I PROJEKTI**  
PUBLICATIONS, MENTORING AND PROFESSIONAL PROJECTS:

- Znanstveni radovi indeksirani u WoS-u / Scientific papers indexed in WoS: 4;
- Znanstveni i stručni radovi u zbornicima skupova s recenzijom / Peer reviewed scientific and professional conference papers: 5.
- Suradnja na znanstvenim projektima / Scientific project research: 1

**VODITELJSTVO I / ILI SUDJELOVANJE NA AKTUALNIM ISTRAŽIVAČKIM PROJEKTIMA:**  
PROJECT COORDINATOR AND/OR RESEARCHER ON CURRENT RESEARCH PROJECTS

- Projekt INFRA FGAG (KK.01.1.1.02.0027) sufinanciran iz Državnog proračuna Republike Hrvatske i od strane Europske unije iz Europskog fonda za regionalni razvoj unutar Operativnog programa "Konkurentnost i kohezija" (istraživač na projektu) / Project INFRA FGAG (KK.01.1.1.02.0027) co-financed by the Croatian Government and the European Union through the European Regional Development Fund - the Competitiveness and Cohesion Operational Program (researcher).



**Ana Lozić,**  
asistentica / Assistant

**ZNANSTVENO-NASTAVNO PODRUČJE**  
SCIENTIFIC-TEACHING AREA:

- Hidrologija / Hydrology
- Hidrologija krša / Karst hydrology

**OBJAVLJENI RADOVI, MENTORSTVA I PROJEKTI**  
PUBLICATIONS, MENTORING AND PROFESSIONAL PROJECTS:

- Znanstveni radovi indeksirani u WoS-u / Scientific papers indexed in WoS: 2



**Ognjen Bonacci**  
Profesor emeritus /  
Professor Emerita

**ZNANSTVENO-NASTAVNO PODRUČJE**  
SCIENTIFIC-TEACHING AREA:

- Hidrologija krša / Karst hydrology
- Upravljanje vodnim resursima / Water resources management
- Ekohidrologija krša / Karst Ecohydrology
- Klimatske promjene i vodni resursi / Climate changes and water resources

**OBJAVLJENI RADOVI, MENTORSTVA I PROJEKTI**  
PUBLICATIONS, MENTORING AND PROFESSIONAL PROJECTS:

- Knjige / Books: 11; Poglavlja u knjizi / Book chapters: 40; Znanstveni radovi u časopisima indeksiranim u Current Contents-u / Scientific papers in journals indexed in CC: 65; Znanstveni radovi s recenzijom u ostalim časopisima / Peer reviewed scientific papers in other journals: 120; Znanstveni i stručni radovi u zbornicima skupova s recenzijom / Peer reviewed scientific and professional conference papers: 130; Vođenje disertacija i magistarskih radova / Mentoring on Doctoral and Master thesis: 35; Vođenje diplomskih radova / Mentoring of Diploma thesis: 85; Stručni projekti, studije i ekspertize / Professional projects, studies and expertise: 230

**VODITELJSTVO I / ILI SUDJELOVANJE NA AKTUALNIM ISTRAŽIVAČKIM PROJEKTIMA:**  
PROJECT COORDINATOR AND/OR RESEARCHER ON CURRENT RESEARCH PROJECTS

- Projekt KK.05.1.1.02.0024 "VODIME-Waters of Imotski region", a project financed by Croatian Government and the European Union through the European Structural Fund – within the call "Strengthening the applied research for climate change adaptation measures" KK.05.1.1.02.

**NAGRADE I PRIZNANJA / AWARDS AND HONORS:**

- Nagrada Grada Splita za znanost, 1988. / City of Split award for science, 1988.
- Republička nagrada Nikola Tesla za 1988. za istaknuto znanstveno djelo / Republic award Nikola Tesla in 1988 for exceptional scientific work
- Državna nagrada za životno djelo u znanosti, Ministarstvo znanosti, obrazovanja i športa Republike Hrvatske, 2011. / State Award for Science, Ministry of Science, Education and Sports Republic of Croatia, 2011.
- Nagrada Slobodne Dalmacije za životno djelo „Frane Bulić“, 2021.





# HIDROMEKANIKA I HIDRAULIKA / HYDROMECHANICS AND HYDRAULICS

## PREDMETI KOJE ODRŽAVA KATEDRA COURSES TAUGHT BY DEPARTMENT

### PREDDIPLOMSKI STUDIJ GRAĐEVINARSTVA UNDERGRADUATE STUDY OF CIVIL ENGINEERING:

- Hidromehanika / *Hydromechanics*

### DIPLOMSKI STUDIJ GRAĐEVINARSTVA GRADUATE STUDY OF CIVIL ENGINEERING:

- Hidraulika / *Hydraulics*

### STRUČNI STUDIJ GRAĐEVINARSTVA / PROFESSIONAL STUDY OF CIVIL ENGINEERING

- Osnove vodogradnje / *Basics of water structures*
- Tuneli i podzemne građevine / *Tunnels and underground structures*

## PODRUČJE ZNANSTVENO-ISTRAŽIVAČKOG RADA PODRUČJE ZNANSTVENO-ISTRAŽIVAČKOG RADA

- Teorijska i primijenjena istraživanja u mehanici tekućina, hidromehanici i hidraulici / *Theoretical and applied research in liquid mechanics and hydraulics*
- Fizikalna i numerička modeliranja strujanja u cijevnim i kanalskim mrežama, strujanja podzemne vode u granularnim sredinama i kršu, morska hidraulika, opterećenje objekata vjetrom i vodom / *Physical and numerical modelling of currents in pipe and canal networks, underground water currents in granular environment and karst, sea hydraulics, wind and water object load*

## PODRUČJE STRUČNOG RADA AREA OF PROFESSIONAL WORK:

- Primjena numeričkih i fizikalnih modeliranja u hidrotehničkim projektima / *Application of numerical and physical modelling in hydro-technical projects*
- Izrada studija i ekspertiza u području hidrotehnike / *Development of studies and expertise in the field of hydrotechnics*
- Izrada idejnih projekata u hidrotehnici / *Development of preliminary designs in hydrotechnics*
- Izrada projekata hidrotehničkih i prometnih tunela / *Development of projects for hydraulic and road tunnels*

## ČLANICE I ČLANOVI KATEDRE MEMBERS OF THE DEPARTMENT:



**Dr. sc. Davor Bojanić,**  
Docent / Assistant Professor  
Šef katedre / Head of the  
Chair

### ZNANSTVENO-NASTAVNO PODRUČJE SCIENTIFIC-TEACHING AREA:

- Hidromehanika / *Hydromechanics*
- Hidraulika / *Hydraulics*
- Tuneli / *Tunnels*

### OBJAVLJENI RADOVI, MENTORSTVA I PROJEKTI PUBLICATIONS, MENTORING AND PROFESSIONAL PROJECTS:

Znanstveni radovi u časopisima indeksiranim u WoSCC-u / Scientific papers in journals indexed in WoSCC: 4;  
Znanstveni radovi s recenzijom u ostalim časopisima / Peer reviewed scientific papers in other journals: 8;  
Znanstveni i stručni radovi u zbornicima skupova s recenzijom / Peer reviewed scientific and professional conference papers: 5;  
Vođenje disertacija i magistrarskih radova /

Mentoring on Doctoral and Master thesis: 0;  
Vođenje diplomskih radova / Mentoring of Diploma thesis: 10;  
Stručni projekti, studije i ekspertize / Professional projects, studies and expertise: 150;  
Kontrole projekata - revizije / Project Controls - Revisions: 11

**VODITELJSTVO I / ILI SUDJELOVANJE NA AKTUALNIM ISTRAŽIVAČKIM PROJEKTIMA:**  
**PROJECT COORDINATOR AND/OR RESEARCHER ON CURRENT RESEARCH PROJECTS**  
PINNA NOBILIS SSMA\_19 KK.01.2.1.02.0176 – Povećanje razvoja novih proizvoda i usluga koje proizlaze iz aktivnosti istraživanja i razvoja - faza II. (član) / PINNA NOBILIS SSMA\_19 KK.01.2.1.02.0176 – Increasing the development of new products and services arising from research and development activities - phase II. (member)



**Dr. sc. Ivan Đepina,**  
Poslijedoktorand /  
Postdoctoral Researcher

### ZNANSTVENO-NASTAVNO PODRUČJE SCIENTIFIC-TEACHING AREA:

- Mehanika fluida/Fluid mechanics
- Geotehničko inženjerstvo/Geotechnical engineering
- Interakcija konstrukcija, tla i fluida/ Soilstructurefluid interaction
- Analiza rizika i pouzdanosti/Risk and reliability analysis
- Strojno učenje i analiza podataka/ Machine learning and data analysis
- Monitoring konstrukcija i instrumentiranje/ Monitoring and instrumentation

### OBJAVLJENI RADOVI, MENTORSTVA I PROJEKTI PUBLICATIONS, MENTORING AND PROFESSIONAL PROJECTS:

Poglavlja u knjizi / Book chapters: 2;  
Znanstveni radovi u časopisima indeksiranim u Current Contents-u / Scientific papers in journals indexed in CC: 10; Znanstveni radovi s recenzijom u ostalim časopisima / Peer reviewed scientific papers in other journals: 2; Znanstveni i stručni radovi u zbornicima skupova s recenzijom / Peer reviewed scientific and professional conference papers: 15; Vođenje disertacija i magistrarskih radova / Mentoring on Doctoral and Master thesis: 1; Vođenje diplomskih radova / Mentoring of Diploma thesis: 10

### VODITELJSTVO I / ILI SUDJELOVANJE NA AKTUALNIM ISTRAŽIVAČKIM PROJEKTIMA:

**PROJECT COORDINATOR AND/OR RESEARCHER ON CURRENT RESEARCH PROJECTS**

- KlimaDigital – Redukcija društvenih rizika od geoloških hazarda i klimatskih promjena; naručitelj: Research Council of Norway (voditelj projekta)/*KlimaDigital – Reducing societal risks imposed by geohazards in a changing climate; Financed by the Research Council of Norway (project manager)*

- SAMCoT – Održiva pomorska i obalna tehnologija na Arktiku; naručitelj Research Council of Norway (istraživač)/*SAMCoT – Sustainable Arctic marine and coastal technology; Financed by the Research Council of Norway (researcher)*
- Klima 2050 – Redukcija društvenih rizika radi klimatskih promjena; naručitelj: Research Council of Norway (istraživač)/*Klima 2050 – Reduction of societal risks associated with climate change; Financed by the Research Council of Norway (researcher)*
- INFRA – Implementacijom suvremene znanstveno-istraživačke infrastrukture na FGAG-u do pametne specijalizacije u zelenoj i energetske učinkovitoj gradnji; naručitelj: Hrvatska vlada i Europska unija kroz Europski regionalni razvojni fond – Competitiveness and Cohesion Operational Programme (istraživač)/*INFRA – Infrastructure development project; Financed by the Croatian Government and the European Union through the European Regional Development Fund - the Competitiveness and Cohesion Operational Programme (researcher)*
- CRES – Infrastruktura otporna na klimatske promjene; naručitelj: Research Council of Norway (voditelj projekta)/*CRES – Climate-resilient infrastructure; Financed by the Research Council of Norway (project manager)*
- INVISON – Primjena satelitskih komunikacijskih i IoT tehnologija na monitoring klizišta; naručitelj: Europska svemirska agencija, (istraživač)/*INVISON – Use of satcom IoT solutions for monitoring landslides; Financed by the European Space Agency, (researcher)*



**Ivan Lovrinović,**  
Asistent /  
Teaching Assistant

**ZNANSTVENO-NASTAVNO PODRUČJE**

SCIENTIFIC-TEACHING AREA:  
• Hidromehanika / *Hydromechanics*  
Hidraulika / *Hydraulics*

**OBJAVLJENI RADOVI,  
MENTORSTVA I PROJEKTI**  
PUBLICATIONS, MENTORING AND  
PROFESSIONAL PROJECTS:

Znanstveni radovi u časopisima indeksiranim  
u Current Contents-u / *Scientific papers in*  
*journals indexed in CC: 2; Znanstveni i stručni*  
*radovi u zbornicima skupova s recenzijom*  
*/ Peer reviewed scientific and professional*  
*conference papers: 4*

**VODITELJSTVO I / ILI SUDJELOVANJE NA  
AKTUALNIM ISTRAŽIVAČKIM PROJEKTIMA:**  
PROJECT COORDINATOR AND/OR RESEARCHER  
ON CURRENT RESEARC PROJECTS

MoST – Monitoring Sea-water intrusion in  
coastal aquifers and Testing pilot projects  
for its mitigation, Interreg Italy-Croatia CBC  
programme (*researcher*)



**Tatjana Bojanić,**  
stručna suradnica /  
Professional associate

**ZNANSTVENO-NASTAVNO PODRUČJE**  
SCIENTIFIC-TEACHING AREA:

- Hidromehanika / *Hydromechanics*
- Hidraulika / *Hydraulic*
- Tuneli / *Tunnels*

**OBJAVLJENI RADOVI,  
MENTORSTVA I PROJEKTI**  
PUBLICATIONS, MENTORING  
AND PROFESSIONAL PROJECTS:

Znanstveni i stručni radovi u zbornicima  
skupova s recenzijom / *Peer reviewed*  
*scientific and professional conference*  
*papers: 1; Stručni projekti, studije i*  
*ekspertize / Professional projects,*  
*studies and expertise: 50*



# KATEDRA ZA METALNE I DRVENE KONSTRUKCIJE / DEPARTMENT OF METAL AND TIMBER STRUCTURES

## PREDMETI KOJE ODRŽAVA KATEDRA COURSES TAUGHT BY DEPARTMENT:

### PREDDIPLOMSKI STUDIJ GRAĐEVINARSTVA UNDERGRADUATE STUDY OF CIVIL ENGINEERING:

- Osnove drvenih konstrukcija / Introduction to timber structures
- Osnove metalnih konstrukcija / Introduction to metal structures

### DIPLOMSKI STUDIJ GRAĐEVINARSTVA GRADUATE STUDY OF CIVIL ENGINEERING:

- Metalne konstrukcije I / Metal structures I
- Metalne konstrukcije II / Metal structures II
- Pouzdanost konstrukcija / Structure reliability
- Spregnute konstrukcije / Composite structures
- Metalni mostovi / Metal bridges
- Izvođenje građevinskih konstrukcija / Construction of structures
- Posebne drvene konstrukcije / Selected timber structures
- Trajnost konstrukcija / Durability of structures
- Staklene konstrukcije / Glass structures

## PODRUČJE ZNANSTVENO-ISTRAŽIVAČKOG RADA AREA OF SCIENTIFIC RESEARCH

- Pouzdanost konstrukcija i procjena rizika / Reliability of structures and risk assessment
- Analiza sigurnosti nosivih konstrukcija izloženih udesnom djelovanju realnog požarnog opterećenja / Safety analysis of load bearing structures exposed to adverse effects of real fire load
- Analiza ponašanja čeličnih konstrukcija dominantno opterećenih vjetrom / Behaviour analysis of steel structures with dominant wind load
- Laboratorijska i terenska eksperimentalna istraživanja gradiva i konstrukcija / Laboratory and field experimental research of structures and building materials
- Numeričko modeliranje nosivih konstrukcija / Numerical modelling of bearing structures

## PODRUČJE STRUČNOG RADA AREA OF PROFESSIONAL WORK

- Projektiranje drvenih, čeličnih i spregnutih konstrukcija / Design of wooden, steel and composite structures
- Proračun otpornosti konstrukcija na djelovanje požara / Calculation of the resistance of structures to fire effects
- Izrada elaborata, studija, ekspertiza i stanja ponašanja konstrukcija (probna opterećenja) / Development of studies, elaborates, expertise and structure's behaviour states (test loads)

## ČLANICE I ČLANOVI KATEDRE MEMBERS OF THE DEPARTMENT:



**Dr. sc. Ivica Boko**  
Redoviti profesor (trajno zvanje) /  
Full Professor (Tenure)  
Šef katedre / Head of the Chair

### ZNANSTVENO-NASTAVNO PODRUČJE SCIENTIFIC-TEACHING AREA:

- Analiza sigurnosti nosivih konstrukcija izloženih djelovanju požara / Failure analysis of engineering structures exposed to fire
- Analiza ponašanja čeličnih konstrukcija dominantno opterećenih vjetrom / Response analysis of steel structures exposed to extreme wind loading
- Metalne i drvene konstrukcije / Metal and timber structures

### OBJAVLJENI RADOVI, MENTORSTVA I PROJEKTI PUBLICATIONS, MENTORING AND PROFESSIONAL PROJECTS:

Znanstveni radovi u časopisima indeksiranim u WoSCC-u / Scientific papers in journals indexed in WoSCC: 31; Znanstveni radovi s recenzijom u ostalim časopisima / Peer reviewed scientific papers in other journals: 4; Znanstveni i stručni radovi u zbornicima skupova s recenzijom / Peer reviewed scientific and professional conference papers: 44; Vođenje diplomskih radova / Mentoring of Diploma thesis: 155; Vođenje doktorskih radova / Mentoring of Doctoral thesis: 1; Stručni projekti, studije i ekspertize / Professional projects, studies and expertise: 92

### VODITELJSTVO I / ILI SUDJELOVANJE NA AKTUALNIM ISTRAŽIVAČKIM PROJEKTIMA: PROJECT COORDINATOR AND/OR RESEARCHER ON CURRENT RESEARCH PROJECTS

ZIU projects:  
Projekt IRI-2 KK.01.2.1.02.0330 Povećanje razvoja novih proizvoda drvne industrije koji se koriste u građevini 2020.-2023. (voditelj projekta) / Project IRI-2 KK.01.2.1.02.0330 An increase of the development of new types of timber products used in civil engineering 2020-2023 (project leader)

### NAGRADE I PRIZNANJA / AWARDS AND HONORS:

- "Trimo Research Award" 2005. za magistarski rad / "Trimo Research Award" 2005 for master's thesis
- "Trimo Research Award" 2006. za disertaciju / "Trimo Research Award" 2006 for doctoral thesis
- Nagrada časopisa Građevinar za znanstvenu izvrsnost kao koautor objavljenih radova u časopisu za 2014. i 2017. godinu / Građevinar Journal Award for Scientific Excellence as a co-author of published papers in the journal for 2014 and 2017



**Dr. sc. Neno Torić**  
Izvanredni profesor /  
Associate Professor

### ZNANSTVENO-NASTAVNO PODRUČJE SCIENTIFIC-TEACHING AREA:

- Metalne, drvene i staklene konstrukcije; trajnost konstrukcija; ponašanje materijala i konstrukcija u slučaju djelovanja požara; razvoj novih vrsta drvenih konstrukcija u građevinarstvu / Metal, timber and glass structures; durability of structures; behaviour of materials and structures in case of fire; development of new types of timber structures in civil engineering

### OBJAVLJENI RADOVI, MENTORSTVA I PROJEKTI PUBLICATIONS, MENTORING AND PROFESSIONAL PROJECTS:

28 radova u bazi WOS, mentor 49 završnih i diplomskih radova, voditelj 1 uspostavnog istraživačkog projekta Hrvatske zaklade za znanost / 28 published papers (WOS citation base), mentor of 49 bachelor and master thesis, leader of an Installation Research Project funded by Croatian Science Foundation

### VODITELJSTVO I / ILI SUDJELOVANJE NA AKTUALNIM ISTRAŽIVAČKIM PROJEKTIMA: PROJECT COORDINATOR AND/OR RESEARCHER ON CURRENT RESEARCH PROJECTS

- Projekt HRZZ UIP 2014-09-5711: Utjecaj deformacija od puzanja na nosivost čeličnih i aluminijskih stupova pri djelovanju požara 2015.-2018. (voditelj projekta) / Project HRZZ UIP 2014-09-5711: Influence of creep strain on the load capacity of steel and

aluminium columns exposed to fire 2015-2018 (project leader)

- Projekt IRI-2 KK.01.2.1.02.0330 Povećanje razvoja novih proizvoda drvne industrije koji se koriste u građevini 2020.-2023. (suradnik projekta) / Project IRI-2 KK.01.2.1.02.0330 An increase of the development of new types of timber products used in civil engineering, 2020-2023 (project associate)

### NAGRADE I PRIZNANJA / AWARDS AND HONORS:

- Nagrada za diplomski rad 2007. g. od tvrtke Trimo u natjecanju 6th Trimo Research Awards / 2007 Awarded a prize by a design company Trimo at the sixth Trimo Research Awards competition for the best diploma thesis,
- Nagrada Hrvatskog saveza građevinskih inženjera za najbolji doktorski rad iz područja građevinarstva za strukovni smjer konstrukcije 2013. g. / 2013 Awarded a prize by the Croatian Society of Civil Engineers at Croatian Engineers Forum 2013 for the best PhD thesis in the area of structural engineering,
- Nagrada časopisa Građevinar za znanstvenu izvrsnost kao koautor nagrađenih radova 2014. i 2017. godine / 2014, 2017 Awarded by a journal Građevinar for scientific excellence as co-author of published journal papers.



**Dr. sc. Ivana Uzelac Glavinic**  
Docentica / Assistant Professor

**ZNANSTVENO-NASTAVNO PODRUČJE**  
SCIENTIFIC-TEACHING AREA:

- Analiza sigurnosti nosivih konstrukcija izloženih djelovanju požara / *Failure analysis of engineering structures exposed to fire*
- Numeričko modeliranje čeličnih ploča i ljsaka / *Numerical modelling of steel plates and shells*
- Metalne i drvene konstrukcije / *Metal and wood structures*

**OBJAVLJENI RADOVI, MENTORSTVA I PROJEKTI**  
PUBLICATIONS, MENTORING AND PROFESSIONAL PROJECTS:

Znanstveni radovi u časopisima indeksiranim u Web of Science-u / *Scientific papers in journals indexed in WoS*: 12; Znanstveni radovi s recenzijom u ostalim časopisima / *Peer reviewed scientific papers in other journals*: ; Znanstveni i stručni radovi u zbornicima skupova s recenzijom / *Peer reviewed scientific and professional conference papers*: 4; Vođenje diplomskih radova / *Mentoring of Diploma thesis*: 1



**Jelena Lovric Vrankovic**  
Asistentica / Teaching Assistant

**ZNANSTVENO-NASTAVNO PODRUČJE**  
SCIENTIFIC-TEACHING AREA:

- Eksperimentalna i numerička analiza drvenih konstrukcija / *Experimental and numerical analysis of timber structures*
- Drvene, spregnute i metalne konstrukcije / *Timber, composite and metal structures*

**OBJAVLJENI RADOVI, MENTORSTVA I PROJEKTI**  
PUBLICATIONS, MENTORING AND PROFESSIONAL PROJECTS:

Znanstveni radovi u časopisima indeksiranim u Web of Science / *Scientific papers in journals indexed in WoS*: 1; Znanstveni i stručni radovi u zbornicima skupova s recenzijom / *Peer reviewed scientific and professional conference papers*: 2



**Tin Hrzic**  
Asistent / Teaching Assistant

**ZNANSTVENO-NASTAVNO PODRUČJE**  
SCIENTIFIC-TEACHING AREA:

- Metalne i drvene konstrukcije / *Metal and wood structures*

**OBJAVLJENI RADOVI, MENTORSTVA I PROJEKTI**  
PUBLICATIONS, MENTORING AND PROFESSIONAL PROJECTS:

Znanstveni radovi s recenzijom u ostalim časopisima / *Peer reviewed scientific papers in other journals*: 1

**VODITELJSTVO I / ILI SUDJELOVANJE NA AKTUALNIM ISTRAŽIVAČKIM PROJEKTIMA:**  
PROJECT COORDINATOR AND/OR RESEARCHER ON CURRENT RESEARCH PROJECTS

Projekt IRI-2 KK.01.2.1.02.0330 Povećanje razvoja novih proizvoda drvne industrije koji se koriste u građevini 2020.-2023. (suradnik projekta) / *Project IRI-2 KK.01.2.1.02.0330 An increase of the development of new types of timber products used in civil engineering 2020-2023 (project associate)*

**VODITELJSTVO I / ILI SUDJELOVANJE NA AKTUALNIM ISTRAŽIVAČKIM PROJEKTIMA:**  
PROJECT COORDINATOR AND/OR RESEARCHER ON CURRENT RESEARCH PROJECTS

Projekt IRI-2 KK.01.2.1.02.0330 Povećanje razvoja novih proizvoda drvne industrije koji se koriste u građevini 2020.-2023. (suradnik projekta) / *Project IRI-2 KK.01.2.1.02.0330 An increase of the development of new types of timber products used in civil engineering 2020-2023 (project associate)*

**VODITELJSTVO I / ILI SUDJELOVANJE NA AKTUALNIM ISTRAŽIVAČKIM PROJEKTIMA:**  
PROJECT COORDINATOR AND/OR RESEARCHER ON CURRENT RESEARCH PROJECTS

Projekt IRI-2 KK.01.2.1.02.0330 Povećanje razvoja novih proizvoda drvne industrije koji se koriste u građevini 2020.-2023. (suradnik projekta) / *Project IRI-2 KK.01.2.1.02.0330 An increase of the development of new types of timber products used in civil engineering 2020-2023 (project associate)*



**Marko Goreta**  
Asistent / Teaching Assistant

**ZNANSTVENO-NASTAVNO PODRUČJE**  
SCIENTIFIC-TEACHING AREA:

- Eksperimentalna i numerička analiza metalnih i drvenih konstrukcija / *Experimental and numerical analysis of metal and timber structures*
- Metalne, drvene i spregnute konstrukcije / *Metal, timber and composite structures*

**OBJAVLJENI RADOVI, MENTORSTVA I PROJEKTI**  
PUBLICATIONS, MENTORING AND PROFESSIONAL PROJECTS:

Znanstveni radovi u časopisima indeksiranim u Web of Science / *Scientific papers in journals indexed in WoS*: 0; Znanstveni i stručni radovi u

zbornicima skupova s recenzijom / *Peer reviewed scientific and professional conference papers*: 3

**VODITELJSTVO I / ILI SUDJELOVANJE NA AKTUALNIM ISTRAŽIVAČKIM PROJEKTIMA:**  
PROJECT COORDINATOR AND/OR RESEARCHER ON CURRENT RESEARCH PROJECTS

Projekt IRI-2 KK.01.2.1.02.0330 Povećanje razvoja novih proizvoda drvne industrije koji se koriste u građevini 2020.-2023. (suradnik projekta) / *Project IRI-2 KK.01.2.1.02.0330 An increase of the development of new types of timber products used in civil engineering 2020-2023 (project associate)*



**Bernardin Peroš**  
Dodaj Profesor emeritus / Professor Emeritus

**ZNANSTVENO-NASTAVNO PODRUČJE**  
SCIENTIFIC-TEACHING AREA:

- Analiza ponašanja čeličnih konstrukcija dominantno opterećenih vjetrom, osnivač terenskog laboratorija – Mjerna stanica za energiju vjetra. / *Response analysis of steel structures exposed to extreme wind loading*
- Analiza sigurnosti nosivih konstrukcija izloženih djelovanju požara – laboratorijska ispitivanja / *Failure analysis of engineering structures exposed to fire*
- Primjena metoda konačno – diskretnih elemenata za stajčku i dinamičku analizu lančanica, membrana te tankih lukova i ljsaka / *Application of finite - discrete element methods for static and dynamic analysis of chains, membranes, and thin Arcs and shells*
- Metalne i spregnute konstrukcije složenih i vrlo složenih građevina (osam plus dva predmeta na sveučilišnom prediplomskom, diplomskom i doktorskostudiju Fakulteta) / *Metal and composite structures of complex buildings (eight plus two subjects at the university undergraduate, graduate and doctoral study of the faculty)*
- Osnivač i predavač na dva predmeta na specijalističkom poslijediplomskom studiju Požarno inženjerstvo – Građevinski fakultet u Zagrebu / *Founder and lecturer on two subjects at the specialist postgraduate study of Fire Engineering – Faculty of civil engineering in Zagreb*
- Forenzična analiza požara - modul istraživanja mjesta događaja - Sveučilišni studij Split (dva predmeta) / *Forensic fire analysis – event location research module*

**OBJAVLJENI RADOVI, MENTORSTVA I PROJEKTI**  
PUBLICATIONS, MENTORING AND PROFESSIONAL PROJECTS:

Knjige / *Books*: 5; Znanstveni radovi u časopisima indeksiranim u WoSCC-u / *Scientific papers in journals indexed in WoSCC*: 14; Znanstveni radovi s recenzijom u ostalim časopisima / *Peer reviewed scientific papers in other journals*: 10; Znanstveni i stručni radovi u zbornicima skupova s recenzijom / *Peer reviewed scientific and professional conference papers*: 68; Vođenje disertacija i magistarskih radova / *Mentoring on Doctoral (6) and Master thesis (5)*; Vođenje diplomskih radova / *Mentoring of Diploma thesis*: 122; Stručni projekti, studije i ekspertize složenih i vrlo složenih građevina / *Professional projects, studies and expertise*: 415; Kontrole

projekata – revizije čeličnih i spregnutih konstrukcija preko 1200 / *Project Controls - Revisions*: more than 1200

**VODITELJSTVO I / ILI SUDJELOVANJE NA AKTUALNIM ISTRAŽIVAČKIM PROJEKTIMA:**  
PROJECT COORDINATOR AND/OR RESEARCHER ON CURRENT RESEARCH PROJECTS

- Pouzdanost konstrukcija i procjena rizika uslijed ekstremnih djelovanja; naručitelj: MZOS RH, voditelj i suradnik na jedanaest projekata / *Reliability of structures and risk assessment to extreme loading*; financed by the Ministry of Science, Education and Sports of the R. of Croatia - project coordinator, researcher on eleven projects
- COST (European Cooperation in Science and Technology) - Integrated Fire Engineering and Response; financed by Council of the European Union (istraživač / researcher)
- Aktualni projekt ZIU: Utjecaj energije vjetra i klimatskih prilika u graditeljstvu / *Active ZIU (Science, Research and Art) project – Effect of wind energy and climate change in civil engineering*

**NAGRADE I PRIZNANJA / AWARDS AND HONORS:**

- Nagrada Sveučilišta u Splitu za izuzetan doprinos razvoju Sveučilišta, 2011. / *University of Split Award for exceptional contribution in University's development, 2011.*
- KOLOS – nagrada Hrvatske komore inženjera građevinarstva za iznimne rezultate trajne vrijednosti na unaprjeđenju i razvoju struke, za javnu prepoznatljivost i priznatost te razvoj tehničkog stvaralaštva u Republici Hrvatskoj i svijetu 2018. / *KOLOS award of the Croatian Chamber of Civil Engineers for exceptional results of lasting value improving the development of the profession, for public recognition and recognition, and the development of technical creativity in the Republic of Croatia and the world 2018.*
- Državni revident za metalne i spregnute konstrukcije (Ministarstvo graditeljstva) / *State reviewer for metal and composite structures (Ministry of construction) 1994.*
- Prof. emeritus Sveučilišta u Splitu od 2016. / *Was awarded with the title of Emeritus professor at the University of Split in 2016.*
- Suradnik Akademije tehničkih znanosti Hrvatske 2017./ *Associate Member of Croatian Academy of Engineering, 2017.*
- Nagrada otoka Šolte 2012. / *Award of the island of Šolta 2012.*

# KATEDRA ZA ORGANIZACIJU I EKONOMIKU GRAĐENJA / DEPARTMENT FOR CONSTRUCTION MANAGEMENT AND ECONOMICS

## PREDMETI KOJE ODRŽAVA KATEDRA COURSES TAUGHT BY DEPARTMENT

### PREDDIPLOMSKI STUDIJ GRAĐEVINARSTVA UNDERGRADUATE STUDY OF CIVIL ENGINEERING:

- Osnove poslovne ekonomije / Principles of Business Economics
- Proizvodnja u građevinarstvu / Construction production
- Organizacija građenja / Construction management

### DIPLOMSKI STUDIJ GRAĐEVINARSTVA GRADUATE STUDY OF CIVIL ENGINEERING:

- Operacijska istraživanja u građevinarstvu / Operational research in civil engineering
- Poslovanje i investicije u građevinarstvu / Business and investments in civil engineering
- Management u građevinarstvu / Management in civil engineering
- Sustavi odlučivanja u građevinarstvu / Decision systems in civil engineering
- Upravljanje projektima / Project management

### POSLIJEDIPLOMSKI DOKTORSKI STUDIJ GRAĐEVINARSTVA POSTGRADUATE DOCTORAL STUDY OF CIVIL ENGINEERING

- Sustavno inženjerstvo u upravljanju projektima / System engineering in project management
- Sustavi za podršku odlučivanju / Decision support systems
- Teorija sustava / System theory

### STRUČNI STUDIJ GRAĐEVINARSTVA / PROFESSIONAL STUDY OF CIVIL ENGINEERING:

- Tehnologija građenja / Construction technology
- Organizacija građenja I / Construction management I
- Osnove poduzetništva / Basic of enterprising
- Organizacija građenja II / Construction management II
- Osnove poslovne ekonomije / Principles of business economics

## PREDDIPLOMSKI STUDIJ ARHITEKTURE / UNDERGRADUATE STUDY OF ARCHITECTURE:

- Planiranje i organizacija građenja / Construction planning and management

### DIPLOMSKI STUDIJ ARHITEKTURE / GRADUATE STUDY OF ARCHITECTURE:

- Planiranje graditeljskih investicija / Construction investments planning
- Upravljanje projektom / Project management

## PREDDIPLOMSKI SVEUČILIŠNI STUDIJ GEODEZIJA I GEOINFORMATIKA UNDERGRADUATE UNIVERSITY STUDY OF GEODESY AND GEOINFORMATICS

- Poslovna komunikacija / Business communication
- Uvod u menadžment / Introduction to management

## PODRUČJE ZNANSTVENO-ISTRAŽIVAČKOG RADA AREA OF SCIENTIFIC RESEARCH

- Organizacija sustava / System organisation
- Sustavi za podršku odlučivanju / Decision making systems
- Optimalizacija građenja / Building optimisation
- Management urbanih infrastrukturnih sustava / Management of urban infrastructure systems
- Interdisciplinarno područje znanosti / Interdisciplinary science field

## PODRUČJE STRUČNOG RADA AREA OF PROFESSIONAL WORK

- Sustavno inženjerstvo / System engineering
- Organizacija građenja / Construction management
- Projektni menadžment i procjena vrijednosti nekretnina / Project management and real estate valuation

## ČLANICE I ČLANOVI KATEDRE MEMBERS OF THE DEPARTMENT:



**Dr. sc. Nives Ostojić-Škomrlj**  
Redovita profesorica /  
Full Professor  
Šef katedre /  
Head of the Chair

### ZNANSTVENO-NASTAVNO PODRUČJE SCIENTIFIC-TEACHING AREA:

- Planiranje i organizacija građenja građevinskih projekata / Planning and organising the construction of civil engineering projects
- Metode optimalizacije u građevinarstvu / Optimization methods in civil engineering
- Planiranje i upravljanje izvedbe građevinskih projekata / Planning and managing construction of civil engineering designs

### OBJAVLJENI RADOVI, MENTORSTVA I PROJEKTI PUBLICATIONS, MENTORING AND PROFESSIONAL PROJECTS:

Poglavlja u knjizi / *Book chapters*: 1;  
Znanstveni radovi u časopisima indeksiranim u WoS-u / *Scientific papers in journals indexed in WoS*: 5; Znanstveni radovi s recenzijom u ostalim časopisima / *Peer reviewed scientific papers in other journals*: 4; Znanstveni i stručni radovi u zbornicima skupova s recenzijom / *Peer reviewed scientific and professional conference papers*: 17; Vođenje diplomskih i završnih radova / *Mentoring of Diploma thesis*: 36  
Projekti/projects: 6

### VODITELJSTVO I / ILI SUDJELOVANJE NA AKTUALNIM ISTRAŽIVAČKIM PROJEKTIMA: PROJECT COORDINATOR AND/OR RESEARCHER ON CURRENT RESEARCH PROJECTS

- PRAG – Prvi korak u karijeri (suradnik na projektu) / *PRAG - The first step in career (project associate)*
- INTERREG, PMO-GATE Sprječavanje, upravljanje i prevladavanje rizika od prirodnih katastrofa radi ublažavanja njihova utjecaja na gospodarstvo i društvo (suradnik na projektu) / *INTERREG, PMO-GATE - Preventing, Managing and Overcoming Natural-Hazards Risks to mitigate economic and social impact (project associate)*



**Dr. sc. Snježana Knežić**  
Redovita profesorica  
(trajno zvanje) /  
Full Professor (Tenure)

### ZNANSTVENO-NASTAVNO PODRUČJE SCIENTIFIC-TEACHING AREA:

- Teorija sustava / *System theory*
- Organizacija / *Organisational sciences*
- Sustavi za podršku u odlučivanju / *Decision support systems*
- Upravljanje u nesrećama i kriznim situacijama / *Disaster and emergency management*

### OBJAVLJENI RADOVI, MENTORSTVA I PROJEKTI PUBLICATIONS, MENTORING AND PROFESSIONAL PROJECTS:

Poglavlja u knjizi / *Book chapters*: 3;  
Znanstveni radovi u časopisima indeksiranim u WoS-u / *Scientific papers in journals indexed in WoS*: 12; Znanstveni radovi s recenzijom u ostalim časopisima / *Peer reviewed scientific papers in other journals*: 8; Znanstveni i stručni radovi u zbornicima skupova s recenzijom / *Peer reviewed scientific and professional conference papers*: 55; Vođenje disertacija i magistarskih radova / *Mentoring on Doctoral and Master thesis*: 4; Vođenje diplomskih radova / *Mentoring of Diploma thesis*: 52; Istraživački projekti / *Research projects*: 11; Stručni projekti, studije i ekspertize / *Professional projects, studies and expertise*: 25

### VODITELJSTVO I / ILI SUDJELOVANJE NA AKTUALNIM ISTRAŽIVAČKIM PROJEKTIMA: PROJECT COORDINATOR AND/OR RESEARCHER ON CURRENT RESEARCH PROJECTS

- IMPETUS - Intelligent Management of Processes, Ethics and Technology for Urban Safety, Project Num. 883286, 2020-2022, H2020, EU funded project. (istraživačica / researcher)



**Dr. sc. Nikša Jajac**  
Redoviti profesor /  
Full Professor

**ZNANSTVENO-NASTAVNO PODRUČJE**  
SCIENTIFIC-TEACHING AREA:

- Interdisciplinarno područje znanosti, polje Projektni menadžment (izborna polja Građevinarstvo i Ekonomija) / *Interdisciplinary, science field - Project Management (elective science fields: Civil Engineering and Economics)*

**OBJAVLJENI RADOVI, MENTORSTVA I PROJEKTI**  
PUBLICATIONS, MENTORING AND PROFESSIONAL PROJECTS:

Objavljeni radovi/ Published papers : 50 (34 rada u časopisima - 29 WOS i 16 radova u zbornicima međunarodnih znanstvenih skupova)/ 50 (34 papers in journals - 29 WOS and 16 papers in proceedings of international scientific conferences);

Mentorstva / Mentoring: doktorandi 6 (5 mentorstva i 1 komentorstvo); 6 doctoral mentorships (5 mentorships and 1 co-mentorship);

Projekti / projects: voditelj projekta INFRA i suradnik na 9 projekata (financiranim od strane ASO, FP7, SIIF, ESF, ERDF, Interreg Med i Interreg CBC IT-CRO, MZO (2) i UN) / *INFRA project leader and collaborator on 9 other projects (funded by ASO, FP7, SIIF, ESF, ERDF, Interreg Med and Interreg CBC IT-CRO, MZO and UN)*

**VODITELJSTVO I / ILI SUDJELOVANJE NA AKTUALNIM ISTRAŽIVAČKIM PROJEKTIMA**  
PROJECT COORDINATOR AND/OR RESEARCHER ON CURRENT RESEARCH PROJECTS

- Projekti/projects:3
- VODIME – Vode Imotske krajine (IRI 2) – suradnik na projektu/ *VODIME - Waters of Imotska krajina (IRI 2) - project associate*
  - Povećanje razvoja novih proizvoda drvne industrije koji se koriste u građevini (IRI 2) – suradnik na projektu/ *„Increasing development of new wood industry products used in construction“ (IRI 2) - project associate;*
  - DEEP-SEA – Razvoj planiranja energetske učinkovitosti i mobilnih usluga marina na Jadranskoj obali (Interreg) – voditelj projekta/ *DEEP-SEA – „Development of Energy Efficiency Planning and Services for the Mobility of Adriatic MARINAS“ (Interreg) - project leader*

**NAGRADE I PRIZNANJA / AWARDS AND HONORS:**

Nagrada za znanost Sveučilišta u Splitu (2019.)/ *University of Split Science Award (2019)*



**Martina Milat**  
Asistentica /  
Teaching Assistant

**ZNANSTVENO-NASTAVNO PODRUČJE**  
SCIENTIFIC-TEACHING AREA:

- Organizacija građenja / *Construction management*
- Proizvodnja u građevinarstvu / *Construction operations and equipment*
- Višeciljna optimizacija za vremensko planiranje građevinskih projekata u uvjetima nesigurnosti / *Multi-objective optimisation applied to construction scheduling under uncertainty*

**OBJAVLJENI RADOVI, MENTORSTVA I PROJEKTI**  
PUBLICATIONS, MENTORING AND PROFESSIONAL PROJECTS:

Znanstveni radovi u časopisima indeksiranim u WoS-u / *Scientific papers in journals indexed in WoS: 1*; Znanstveni i stručni radovi u zbornicima skupova s recenzijom / *Peer reviewed scientific and professional conference papers: 3*



# KATEDRA ZA OTPORNOST MATERIJALA I ISPITIVANJE KONSTRUKCIJA / CHAIR FOR STRENGTH OF MATERIALS AND TESTING OF STRUCTURES

## PREDMETI KOJE ODRŽAVA KATEDRA COURSES TAUGHT BY DEPARTMENT:

### PREDDIPLOMSKI STUDIJ GRAĐEVINARSTVA UNDERGRADUATE STUDY OF CIVIL ENGINEERING:

- Otpornost materijala I / *Strength of materials I*
- Otpornost materijala II / *Strength of materials II*

### DIPLOMSKI STUDIJ GRAĐEVINARSTVA GRADUATE STUDY OF CIVIL ENGINEERING:

- *Mehanika materijala I / Mechanics of materials*
- *Ispitivanje konstrukcija / Testing of structures*
- *Kućne instalacije / Housing installations*
- *Posebna poglavlja otpornosti materijala / Selected chapters of Strength of materials*

### POSLIJEDIPLOMSKI DOKTORSKI STUDIJ GRAĐEVINARSTVA POSTGRADUATE DOCTORAL STUDY OF CIVIL ENGINEERING

- *Metodologija i tehnika znanstvenoistraživačkog rada / Methodology and techniques of scientific research*
- *Numeričke metode mehanike materijala / Numerical methods for the mechanics of materials*
- *Ekperimentalne metode / Experimental methods*
- *Uvod u mehanika loma / Introduction into fracture mechanics*

### PREDDIPLOMSKI STUDIJ ARHITEKTURE / UNDERGRADUATE STUDY OF ARCHITECTURE

- *Osnove nosivih konstrukcija II / Basis of structures II*

### STRUČNI STUDIJ GRAĐEVINARSTVA / PROFESSIONAL STUDY OF CIVIL ENGINEERING

- *Instalacija / Instalations*

## PODRUČJE ZNANSTVENO-ISTRAŽIVAČKOG RADA AREA OF SCIENTIFIC RESEARCH

- *Teorijska mehanika / Theoretical mechanics*
- *Ekperimentalna mehanika / Experimental mechanics*
- *Numerička mehanika / Numerical mechanics*
- *Primijenjena mehanika / Applied mechanics*

## PODRUČJE STRUČNOG RADA AREA OF PROFESSIONAL WORK

- *Ispitivanje konstrukcija pod statičkim i dinamičkim djelovanjima / Structural testing under static and dynamic actions*
- *Numerička, statička i dinamička analiza konstrukcija / Numerical, static and dynamic analysis of structures*

## ČLANICE I ČLANOVI KATEDRE MEMBERS OF THE DEPARTMENT:



**Dr. sc. Pavao Marović**  
Redoviti profesor  
(trajno zvanje) /  
Full Professor (Tenure)  
Šef katedre /  
Head of the Chair

### ZNANSTVENO-NASTAVNO PODRUČJE

#### SCIENTIFIC-TEACHING AREA:

- *Tehnička i računarska mehanika / Technical and computational mechanics*
- *Mehanika materijala / Mechanics of materials*
- *Numeričko modeliranje konstrukcija / Numerical modelling of structures*
- *Statičke i dinamičke analize konstrukcija / Static and dynamic analyses of structures*
- *Ekperimentalna mehanika / Experimental mechanics*
- *Ispitivanje konstrukcija pod statičkim i dinamičkim djelovanjima / Testing of structures under static and dynamic loadings*

### OBJAVLJENI RADOVI, MENTORSTVA I PROJEKTI PUBLICATIONS, MENTORING AND PROFESSIONAL PROJECTS:

- *Knjige / Books: 9; Poglavlja u knjizi / Book chapters: 7; Znanstveni radovi u časopisima indeksiranim u Web of Science Core Collection-u / Scientific papers in journals indexed in WoS CC: 14; Znanstveni radovi s recenzijom u ostalim časopisima / Peer reviewed scientific papers in other journals: 16; Znanstveni i stručni radovi u zbornicima skupova s recenzijom / Peer reviewed scientific and professional conference papers: 176; Vođenje disertacija i magistarskih radova / Mentoring on Doctoral and Master thesis: 8; Vođenje diplomskih radova / Mentoring of Diploma thesis: 61; Stručni projekti, studije i ekspertize / Professional projects, studies and expertise: oko 200*

### VODITELJSTVO I / ILI SUDJELOVANJE NA AKTUALNIM ISTRAŽIVAČKIM PROJEKTIMA PROJECT COORDINATOR AND/OR RESEARCHER ON CURRENT RESEARCH PROJECTS

- *ZIU-LNM: Numeričko modeliranje u građevinarstvu / Numerical Modelling in Civil Engineering*
- *ZIU-LIK: Istraživanja ponašanja različitih tipova konstrukcija / Research of the behaviour of different types of structures*

### ČLANSTVA U AKADEMIJAMA / MEMBERSHIP IN ACADEMIA

- *Akademija tehničkih znanosti Hrvatske - ATZH / Croatian Academy of Engineering - HATZ*

### NAGRADE I PRIZNANJA

#### AWARDS AND HONORS:

- *Odlikovanje predsjednika Republike Hrvatske Red Danice Hrvatske s likom Ruđera Boškovića / Decorated by the President of the Republic of Croatia Red Danice Hrvatske s likom Ruđera Boškovića, 1997.*
- *Godišnja nagrada Splitsko-dalmatinske županije za znanost / County Splitsko-dalmatinska Yearly Award for Science, 1998.*
- *Plaketa Sveučilišta u Splitu za izuzetan doprinos razvoju Sveučilišta u Splitu / Plaque of the University of Split, 2008*
- *Priznanje Građevinskog fakulteta Sveučilišta u Mostaru za izniman doprinos razvitku Građevinskog fakulteta Sveučilišta u Mostaru, 2003. / Acknowledgement of the Faculty of Civil Engineering of the University of Mostar, 2003.*
- *Plaketa Građevinskog fakulteta Sveučilišta u Mostaru za izniman doprinos očuvanju i razvitku Građevinskog fakulteta Sveučilišta u Mostaru, 2008. / Plaque of the Faculty of Civil Engineering of the University of Mostar, 2008.*
- *Povelja Zajednice društava inženjera i tehničara Splita za doprinos u radu i razvoju Društva inženjera i tehničara Splita, 1991. / Charter of the Union of the Societies of Engineers and Technicians of the City of Split, 1991.*
- *IBC Diploma 2000 Outstanding Scientists of the 20th Century, 1998.*
- *IBC Medal 2000 Outstanding Scholars of the 20th Century, 1998.*
- *ABI World Lifetime Achievement Award, 1999.*
- *IBC Diploma 2000 Outstanding Scholars of the 20th Century, 1999.*
- *IBC Medal 2000 Outstanding Scholars of the 20th Century, 1999.*
- *IBC Diploma 2000 Outstanding People of the 20th Century, 2000.*
- *Višekratno uvršten u razne svjetske baze i popise / Regularly included in different world bases and registers:*
  - *Marquis Who's Who in Science and Engineering, Marquis Who's Who in the World, Marquis Who's Who in Finance and Industry, IBC Outstanding Scientists of the 20th Century, IBC Outstanding Scholars of the 20th Century, IBC Dictionary of International Biography, IBC Outstanding Scholars of the 21st Century, IBC Outstanding People of the 21st Century, IBC 2000 Outstanding Intellectuals of the 21st Century, IBC 2000 Eminent Scientists of Today, IBC 2000 Outstanding Scientists of the 21st Century, IBC The Cambridge Blue Book, IBA, ABI Five Hundred Leaders of Influence, ABI International Profiles of Accomplished Leaders*



**Dr. sc. Mirela Galić**  
Redoviti profesor /  
Full Professor

#### ZNANSTVENO-NASTAVNO PODRUČJE

##### SCIENTIFIC-TEACHING AREA:

- Tehnička i računarska mehanika / *Technical and computational mechanics*
- Mehanika materijala / *Mechanics of materials*
- Numeričko modeliranje konstrukcija / *Numerical modelling of structures*
- Statičke i dinamičke analize konstrukcija / *Static and dynamic analyses of structures*
- Eksperimentalna mehanika / *Experimental mechanics*
- Ispitivanje konstrukcija pod statičkim i dinamičkim djelovanjima / *Testing of structures under static and dynamic loadings*

#### OBJAVLJENI RADOVI,

##### MENTORSTVA I PROJEKTI

##### PUBLICATIONS, MENTORING AND

##### PROFESSIONAL PROJECTS:

Poglavlja u knjizi / *Book chapters*: 2; Znanstveni radovi u časopisima indeksiranim u Web of Science Core Collection-u / *Scientific papers in journals indexed in WoS CC*: 6; Znanstveni radovi s recenzijom u ostalim časopisima / *Peer reviewed scientific papers in other journals*: 7 Znanstveni i stručni radovi u zbornicima skupova s recenzijom / *Peer reviewed scientific and professional conference papers*: 51; Vođenje diplomskih radova / *Mentoring of Diploma thesis*: 28/ Studije i ekspertize / *Studies and expertise*: oko 60/ Sudjelovanje kao istraživač na 8 projekata / *Participated as a researcher in 8 projects*

#### VODITELJSTVO I / ILI SUDJELOVANJE NA

##### AKTUALNIM ISTRAŽIVAČKIM PROJEKTIMA

- PROJECT COORDINATOR AND/OR RESEARCHER ON CURRENT RESEARCH PROJECTS
- ZIU-LNM: Numeričko modeliranje u građevinarstvu / *Numerical Modelling in Civil Engineering*
- ZIU-LIK: Istraživanja ponašanja različitih tipova konstrukcija / *Research of the behaviour of different types of structures*



**Dr. sc. Vladimir Divić**  
Izvanredni profesor /  
Associate Professor

#### ZNANSTVENO-NASTAVNO PODRUČJE

##### SCIENTIFIC-TEACHING AREA:

- Građevinarstvo, ispitivanje konstrukcija (*Civil engineering, constructions*)

#### OBJAVLJENI RADOVI,

##### MENTORSTVA I PROJEKTI

##### PUBLICATIONS, MENTORING AND

##### PROFESSIONAL PROJECTS:

- CAAT (Eng. Coastal Autopurification Assessment Technology) Razvoj tehnologije za procjenu autopurifikacijskih sposobnosti priobalnih voda-KK.01.1.1.04.0064 – istraživač na projektu (*researcher*)
- Monitoring obalnog područja koristeći višeskalne metode (eng. COastal zone MONitoring using multi-scaling methods, COMON) – KK.01.1.07.0033 – istraživač na projektu (*researcher*)
- PRAG – PRvi korAk u karijeri – poslovi budućnosti u Graditeljstvu, financirano od Europskog socijalnog fonda u sklopu OP „Učinkoviti ljudski potencijali 2014. – 2020.“, suradnika na projektu od studenog 2020. (*implementation team*)
- Implementacijom suvremene znanstveno-istraživačke infrastrukture na FGAG do pametne specijalizacije u zelenoj i energetske učinkovitoj gradnji (INFRA), priprema projektne dokumentacije i član provedbenog tima, financirano od Europskog fonda za regionalni razvoj (ERDF) „Operativni program Konkurentnost i kohezija 2014-2020. (*project proposal writing team and member of implementation team*)



**Gabrijela Grozdanić**  
Asistentica /  
Teaching Assistant

#### ZNANSTVENO-NASTAVNO PODRUČJE

##### SCIENTIFIC-TEACHING AREA:

- Numeričko modeliranje staklenih konstrukcija / *Numerical modelling of glass structures*
- Statičke i dinamičke analize konstrukcija / *Static and dynamic analyses of structures*
- Ispitivanje konstrukcija pod statičkim i dinamičkim djelovanjima / *Testing of structures under static and dynamic loadings*

#### OBJAVLJENI RADOVI,

##### MENTORSTVA I PROJEKTI

##### PUBLICATIONS, MENTORING AND

##### PROFESSIONAL PROJECTS:

Znanstveni i stručni radovi u zbornicima skupova s recenzijom / *Peer reviewed scientific and professional conference papers*: 2; Stručni projekti, studije i ekspertize / *Professional projects, studies and expertise*: 2



# PRIVREDNA HIDROTEHNIKA / HYDRAULIC ENGINEERING

## PREDMETI KOJE ODRŽAVA KATEDRA COURSES TAUGHT BY DEPARTMENT:

- Hidrotehničke građevine / *Hydraulic structures*
- Luke i pomorske građevine / *Harbours and Naval Structures*
- Pomorske građevine i luke / *Naval Structures and Harbours*
- Pomorske građevine / *Naval Structures*
- Obalno inženjerstvo / *Coastal Engineering*
- Integralno upravljanje vodnim resursima / *Integral Management of Water Resources*
- Iskorištenje vodnih snaga / *Utilization of Water Power*
- Modeliranje toka i pronosa u podzemlju / *Groundwater Flow and Transport Modelling*
- Procesi disperzije u vodnim resursima / *Dispersion Processes in Water Resources*
- Teorija procjene rizika u ekologiji / *Theory of Ecological Risk Assessment*

## PODRUČJE ZNANSTVENO-ISTRAŽIVAČKOG RADA AREA OF SCIENTIFIC RESEARCH:

- Vodni resursi i ekologija / *Water Resources and Environmental Science*
- Analiza obalnih procesa / *Analysis of Coastal Processes*
- Analiza tečenja i pronosa u površinskim, podzemnim i obalnim vodama / *Flow and Transport Analysis in Surface, Subsurface and Coastal Waters*
- Numeričko i stohastičko modeliranje vodnih sustava / *Numerical and Stochastic Modeling of Water Systems*

## PODRUČJE STRUČNOG RADA AREA OF PROFESSIONAL WORK:

- Upravljanje vodnim resursima / *Water Resources Management*
- Planiranje, projektiranje i upravljanje hidrotehničkih sustava / *Planning, Design and Management of Water Resources Systems*
- Studije i elaborati zaštite okoliša / *Environmental Impact Assessment*
- Obalno inženjerstvo / *Coastal Engineering*

## ČLANICE I ČLANOVI KATEDRE MEMBERS OF THE DEPARTMENT:



**Dr. sc. Hrvoje Gotovac**  
Redoviti profesor / Full Professor  
Šef katedre / Head of the Chair

### ZNANSTVENO-NASTAVNO PODRUČJE SCIENTIFIC-TEACHING AREA:

- Analiza tečenja i pronosa u površinskim, podzemnim i obalnim vodama / *Flow and Transport Analysis in Surface, Subsurface and Coastal Waters*
- Numeričko i stohastičko modeliranje vodnih sustava / *Numerical and Stochastic Modeling of Water Systems*

### OBJAVLJENI RADOVI, MENTORSTVA I PROJEKTI PUBLICATIONS, MENTORING AND PROFESSIONAL PROJECTS:

Znanstveni radovi u časopisima indeksiranim u WoS-u / *Scientific papers in journals indexed in WoS*: 27; Znanstveni radovi s recenzijom u ostalim časopisima / *Peer reviewed scientific papers in other journals*: 3; Znanstveni i stručni radovi u zbornicima skupova s recenzijom / *Peer reviewed scientific and professional conference papers*: 39; Vođenje disertacija i magistarskih radova / *Mentoring on Doctoral and Master thesis*: 4; Vođenje diplomskih radova / *Mentoring of Diploma thesis*: 21; Stručni projekti, studije i ekspertize / *Professional projects, studies and expertise*: 29

### VODITELJSTVO I / ILI SUDJELOVANJE NA AKTUALNIM ISTRAŽIVAČKIM PROJEKTIMA: PROJECT COORDINATOR AND/OR RESEARCHER ON CURRENT RESEARCH PROJECTS

- IRI-2 , Perm-Beton - Razvoj sustava odvodnje na horizontalnim površinama od propusnog betona, EU Strukturni fondovi, voditelj
- HRZZ, Multi-Waters; Multifizikalno modeliranje površinskih i podzemnih voda, voditelj
- MOST Monitoring Sea-water intrusion in coastal aquifers and Testing pilot projects for its mitigation, Interreg, Italy Croatia cross-border cooperation programme, član
- COMON, Coastal zone monitoring using multi-scaling methods, Contract Agreement KK.01.1.1.07.0033, Project funded by ERDF program, član
- CAAT, Coastal Auto-purification Assessment Technology, Contract Agreement KK.01.1.1.04.0064, project funded by ERDF program, član

### NAGRADE I PRIZNANJA / AWARDS AND HONORS:

Nagrada Hrvatskih voda za najbolji magistarski rad



**Dr. sc. Roko Andričević**  
Redoviti profesor (trajno zvanje) /  
Full Professor (Tenure)

### ZNANSTVENO-NASTAVNO PODRUČJE SCIENTIFIC-TEACHING AREA:

- Vodni resursi i ekologija / *Water Resources and Environmental Science*
- Analiza obalnih procesa / *Analysis of Coastal Processes*
- Analiza tečenja i pronosa u površinskim, podzemnim i obalnim vodama / *Flow and Transport Analysis in Surface, Subsurface and Coastal Waters*

### OBJAVLJENI RADOVI, MENTORSTVA I PROJEKTI PUBLICATIONS, MENTORING AND PROFESSIONAL PROJECTS:

Znanstveni radovi u časopisima indeksiranim u WoS-u / *Scientific papers in journals indexed in WoS*: 55; Znanstveni radovi s recenzijom u ostalim časopisima / *Peer reviewed scientific papers in other journals*: 0; Znanstveni i stručni radovi u zbornicima skupova s recenzijom / *Peer reviewed scientific and professional conference papers*: 74; Vođenje disertacija i magistarskih radova / *Mentoring on Doctoral and Master thesis*: 18; Vođenje diplomskih radova / *Mentoring of Diploma thesis*: 41; Stručni projekti, studije i ekspertize / *Professional projects, studies and expertise*: 63

### VODITELJSTVO I / ILI SUDJELOVANJE NA AKTUALNIM ISTRAŽIVAČKIM PROJEKTIMA: PROJECT COORDINATOR AND/OR RESEARCHER ON CURRENT RESEARCH PROJECTS

- COMON, Coastal zone monitoring using multi-scaling methods, Contract Agreement KK.01.1.1.07.0033, Project funded by ERDF program; Team leader (2020-2023)
- CAAT, Coastal Auto-purification Assessment Technology, Contract Agreement KK.01.1.1.04.0064, project funded by ERDF program; Team Leader (2019-2021)
- STIM-REI (www.stim.unist.hr), **Croatian Scientific Center of Excellence**, Contract Agreement KK.01.1.1.01.0003. Activity IIA: Contaminant transport dynamics in the rivers and coastal zone; Activity leader (2017-2022)
- Interreg CBC Hrvatska-Italija: AdSWiM - Upravljanje i pročišćavanje otpadnih voda urbanih sredina za očuvanje kvalitete obalnog područja Jadranskog mora; Koordinator partnera (2019-2021)
- Interreg CBC Hrvatska-Italija: NET4mPLASTIC - Nove tehnologije za detekciju makro i mikro plastike na obalnom području Jadranskog mora; Koordinator partnera (2019-2022)
- Interreg MED program: Plastic busters MPAs, Zaštita bioraznolikosti od plastike u mediteranskim zaštićenim morskim područjima. Koordinator partnera (2018-2022)



**Dr. sc. Veljko Srzić**  
Izvanredni profesor /  
Associate Professor

**ZNANSTVENO-NASTAVNO PODRUČJE**  
SCIENTIFIC-TEACHING AREA:

- Obalni sustavi i procesi / *Coastal systems and processes*
- Obalno inženjerstvo / *Coastal engineering*
- Monitoring u okolišu / *Environmental monitoring*
- Fizikalno modeliranje / *Physical modeling*
- Intruzija morske vode / *Seawater intrusion*

**OBJAVLJENI RADOVI,**  
**MENTORSTVA I PROJEKTI**  
PUBLICATIONS, MENTORING AND  
PROFESSIONAL PROJECTS:

Znanstveni radovi u časopisima indeksiranim u Current Contents-u / Scientific papers in journals indexed in CC: 8; Znanstveni radovi s recenzijom u ostalim časopisima / Peer reviewed scientific papers in other journals: 5; Znanstveni i stručni radovi u zbornicima skupova s recenzijom / Peer reviewed scientific and professional conference papers: 20; Vođenje disertacija radova / Mentoring on Doctoral thesis: 3; Vođenje diplomskih radova / Mentoring of Diploma thesis: 30; Stručni projekti, studije i elaborati / Professional projects, studies and expertise: 40;

**VODITELJSTVO I / ILI SUDJELOVANJE NA**  
**AKTUALNIM ISTRAŽIVAČKIM PROJEKTIMA:**  
PROJECT COORDINATOR AND/OR RESEARCHER  
ON CURRENT RESEARCH PROJECTS

- Monitoring Sea water intrusion in coastal aquifers and Testing pilot projects for its mitigation, CBC Interreg Italija Hrvatska 2014.-2020.;
- PINNA NOBILIS SSMA19, IRI 2 projekt u sklopu Poziva "Povećanje razvoja novih proizvoda i usluga koje proizlaze iz aktivnosti istraživanja i razvoja – faza II" i Operativnog programa "Konkurentnost i kohezija 2014-2020."
- VODIME – Vode Imotske krajine"
- Referentni broj ugovora o dodjeli bespovratnih sredstava: KK.05.1.1.02.0024

**NAGRADE I PRIZNANJA /**  
**AWARDS AND HONORS:**

Nagrada Hrvatskih voda za najbolju doktorsku disertaciju u području vodnih resursa u 2014. godini

**ZNANSTVENO-NASTAVNO PODRUČJE**  
SCIENTIFIC-TEACHING AREA:

- Razvoj metoda mjerenja fizikalnih parametara mora i provođenje mjerenja u moru / *Development of methods for measuring physical parameters of the sea and conducting measurements at sea*
- Integralno upravljanje vodnim resursima / *Integrated water resources management*
- Procjena rizika u ekologiji / *Ecological risk assessment*
- Pomorska hidraulika i obalno inženjerstvo / *Marine hydraulics and coastal engineering*

**OBJAVLJENI RADOVI,**  
**MENTORSTVA I PROJEKTI**  
PUBLICATIONS, MENTORING AND  
PROFESSIONAL PROJECTS:

Znanstveni radovi u časopisima indeksiranim u WoS-u / Scientific papers in journals indexed in WoS: 6; Znanstveni radovi s recenzijom u ostalim časopisima / Peer reviewed scientific papers in other journals: 2; Znanstveni i stručni radovi u zbornicima skupova s recenzijom / Peer reviewed scientific and professional conference papers: 5; Vođenje diplomskih radova / Mentoring of Diploma thesis: 3; Uredničke knjige / Edited books: 1; Stručni projekti, studije i ekspertize / Professional projects, studies and expertise: 15;

**VODITELJSTVO I / ILI SUDJELOVANJE NA**  
**AKTUALNIM ISTRAŽIVAČKIM PROJEKTIMA:**  
PROJECT COORDINATOR AND/OR RESEARCHER  
ON CURRENT RESEARCH PROJECTS

- CAAT (Eng. Coastal Autopurification Assessment Technology) Razvoj tehnologije za procjenu autopurifikacijskih sposobnosti priobalnih voda / *Development of technology for assessment of autopurification capabilities of coastal waters*
- STIM-REI, projekt Centra izvrsnosti za znanost i tehnologiju – Integracija mediteranske regije (STIM) povezuje istraživanje (R), inovaciju (I) i edukaciju (E) / *Center of Excellence for Science and Technology Integration of Mediterranean Region (STIM), connects research (R), innovation (I) and education (E)*

**NAGRADE I PRIZNANJA /**  
**AWARDS AND HONORS:**

Nagrada Hrvatskih voda za najbolju doktorsku disertaciju u području vodnog gospodarstva u 2018. godini, pod naslovom: „Prostorna distribucija koncentracije zagađenja kao rezultat pronosa u ušćima rijeka” / *“Croatian Waters” year award 2018 for best doctoral dissertation in the field of Water resources named “Concentration statistics for solute transport in river estuaries”*



**Dr. sc. Toni Kekez**  
Docent / Assistant  
Professor

**ZNANSTVENO-NASTAVNO PODRUČJE**  
SCIENTIFIC-TEACHING AREA:

- Građevinarstvo / Civil Engineering

**OBJAVLJENI RADOVI,**  
**MENTORSTVA I PROJEKTI**  
PUBLICATIONS, MENTORING AND  
PROFESSIONAL PROJECTS:

Znanstveni radovi u časopisima indeksiranim u WoS-u / Scientific papers in journals indexed in WoS: 3; Znanstveni i stručni radovi u zbornicima skupova s recenzijom / Peer reviewed scientific and professional conference papers: 2

**VODITELJSTVO I / ILI SUDJELOVANJE NA**  
**AKTUALNIM ISTRAŽIVAČKIM PROJEKTIMA:**  
VODITELJSTVO I / ILI SUDJELOVANJE NA  
AKTUALNIM ISTRAŽIVAČKIM PROJEKTIMA:

**Znanstveni projekti / research projects:**  
CAAT Razvoj tehnologije za procjenu autopurifikacijskih sposobnosti priobalnih voda (eng. Coastal Autopurification Assessment Technology), KK.01.1.04.0064

**Projektni prekogranične suradnje/**  
**cross-border cooperation projects:**

- Plastic Busters MPAs (Plastic Busters: preserving biodiversity from plastics in Mediterranean Marine Protected Areas), Interreg Mediteranean programme
- AdSWiM (Managed use of treated urban wastewater for the quality of the Adriatic Sea), Interreg CBC Italy-Croatia programme
- NET4mPLASTIC (New Technologies for macro and Microplastic Detection and Analysis in the Adriatic Basin), Interreg CBC Italy-Croatia programme
- PMO-GATE (Preventing, Managing and Overcoming Natural-Hazards Risks to mitigate economic and social impact), Interreg CBC Italy-Croatia programme

**ZNANSTVENO-NASTAVNO PODRUČJE**  
SCIENTIFIC-TEACHING AREA:

- Hidraulika podzemnih voda / Groundwater hydraulics
- Numeričko modeliranje u mehanici fluida / Numerical modelling in fluid mechanics

**OBJAVLJENI RADOVI,**  
**MENTORSTVA I PROJEKTI**  
PUBLICATIONS, MENTORING AND  
PROFESSIONAL PROJECTS:

Znanstveni i stručni radovi u zbornicima skupova s recenzijom / Peer reviewed scientific and professional conference papers: 2; Stručni projekti, studije i ekspertize / Professional projects, studies and expertise: 2

**VODITELJSTVO I / ILI SUDJELOVANJE NA**  
**AKTUALNIM ISTRAŽIVAČKIM PROJEKTIMA:**  
PROJECT COORDINATOR AND/OR RESEARCHER  
ON CURRENT RESEARCH PROJECTS

- IRI-2 , Perm-Beton - Razvoj sustava odvodnje na horizontalnim površinama od propusnog betona, EU Strukturni fondovi, član
- HRZZ, Multi-Waters; Multifizikalno modeliranje površinskih i podzemnih voda, član



**Dr. sc. Morena Galešić Divić**  
Poslijedoktorandica /  
Postdoctoral Researcher

# PROMETNICE TRANSPORTATION ENGINEERING

## PREDMETI KOJE ODRŽAVA KATEDRA COURSES TAUGHT BY DEPARTMENT:

### PREDDIPLOMSKI STUDIJ GRAĐEVINARSTVA UNDERGRADUATE STUDY OF CIVIL ENGINEERING

- Ceste / Roads
- Željeznice / Railway

### DIPLOMSKI STUDIJ GRAĐEVINARSTVA GRADUATE STUDY OF CIVIL ENGINEERING:

- Željeznice / Railway
- Gornji ustroj prometnica / Pavement of roads and railways
- Prometna tehnika / Traffic engineering
- Cestovna čvorišta / Highway interchanges
- Gradske prometne površine / Urban traffic areas

### POSLIJEDIPLOMSKI DOKTORSKI STUDIJ GRAĐEVINARSTVA POSTGRADUATE DOCTORAL STUDY OF CIVIL ENGINEERING

- Teorija prometnog toka / Traffic flow theory
- Prometnice – odabrana poglavlja / Highways – selected chapters
- Transportno planiranje / Transportation planning

### PREDDIPLOMSKI SVEUČILIŠNI STUDIJ ARHITEKTURA I URBANIZAM / UNDERGRADUATE UNIVERSITY STUDY OF ARCHITECTURE AND URBAN PLANNING:

- Gradske prometne površine i objekti / Urban traffic areas and facilities

### PREDDIPLOMSKI SVEUČILIŠNI STUDIJ GEODEZIJA I GEOINFORMATIKA / UNDERGRADUATE UNIVERSITY STUDY OF GEODESY AND GEOINFORMATICS:

- Ceste / Roads

### PREDDIPLOMSKI STRUČNI STUDIJ GRAĐEVINARSTVA / UNDERGRADUATE PROFESSIONAL STUDY OF CIVIL ENGINEERING:

- Željeznice / Railway
- Ceste / Roads

## PODRUČJE ZNANSTVENO-ISTRAŽIVAČKOG RADA PODRUČJE ZNANSTVENO-ISTRAŽIVAČKOG RADA

- Modeliranje kapaciteta i razine usluge prometnica / Modelling of capacity and service level of roads
- Usklađivanje elemenata toka trase s aspekta sigurnosti vožnje / Harmonisation of route flow elements from the safety aspect

## PODRUČJE STRUČNOG RADA AREA OF PROFESSIONAL WORK

- Planiranje i projektiranje cesta i ostalih gradskih i vangradskih prometnih površina / Design and planning of roads and other city and suburban traffic areas
- Analiza kapaciteta i simulacije odvijanja prometa svih elemenata cestovnih prometnica / Capacity analysis and simulations of traffic flow for all road elements
- Studije utjecaja izgradnje raznih sadržaja na prometnu mrežu / Study on the impact that construction of various facilities has on the traffic network

## ČLANICE I ČLANOVI KATEDRE MEMBERS OF THE DEPARTMENT:



**Dr. sc. Dražen Cvitanović**  
Redoviti profesor (trajno zvanje)/Full Professor (Tenure)  
Šef katedre / Head of the Chair



**Dr. sc. Deana Breški**  
Izvanredna profesorica / Associate Professor

### ZNANSTVENO-NASTAVNO PODRUČJE

#### SCIENTIFIC-TEACHING AREA:

- Tehničke znanosti – Prometnice / Technical science – Transportation

### OBJAVLJENI RADOVI, MENTORSTVA I PROJEKTI

#### PUBLICATIONS, MENTORING AND PROFESSIONAL PROJECTS:

Znanstveni radovi s recenzijom u časopisima / Peer reviewed scientific papers in other journals: 22; Znanstveni i stručni radovi u zbornicima skupova s recenzijom / Peer reviewed scientific and professional conference papers: 26; Mentorstva na doktorskom studiju / Doctoral mentorship : 3 Mentorstva na preddiplomskom i diplomskom studiju/ Mentorships on undergraduate and graduate studies: 200

### VODITELJSTVO I / ILI SUDJELOVANJE NA AKTUALNIM ISTRAŽIVAČKIM PROJEKTIMA

#### PROJECT COORDINATOR AND/OR RESEARCHER ON CURRENT RESEARCH PROJECTS

Istraživanja u području projektiranja prometnica i upravljanja cestovnom infrastrukturom/Research in a field of highway design and management; Fakultet građevinarstva, arhitekture i geodezije, Sveučilište u Splitu.

### ZNANSTVENO-NASTAVNO PODRUČJE

#### SCIENTIFIC-TEACHING AREA:

- Projektiranje cestovnih prometnica / Highway design
- Prometna tehnika / Traffic engineering Kolničke konstrukcije / Pavement structures
- Prometno planiranje / Transportation planning

### OBJAVLJENI RADOVI, MENTORSTVA I PROJEKTI

#### PUBLICATIONS, MENTORING AND PROFESSIONAL PROJECTS:

Znanstveni radovi s recenzijom u časopisima / Peer reviewed scientific papers in other journals: 8; Znanstveni i stručni radovi u zbornicima skupova s recenzijom / Peer reviewed scientific and professional conference papers: 16; Vođenje diplomskih radova / Mentoring of Diploma thesis: 101; Stručni projekti, studije i ekspertize / Professional projects, studies and expertise: 39

### VODITELJSTVO I / ILI SUDJELOVANJE NA AKTUALNIM ISTRAŽIVAČKIM PROJEKTIMA

#### PROJECT COORDINATOR AND/OR RESEARCHER ON CURRENT RESEARCH PROJECTS

Istraživanja u području projektiranja prometnica i upravljanja cestovnom infrastrukturom/Research in a field of highway design and management; Fakultet građevinarstva, arhitekture i geodezije, Sveučilište u Splitu.



**Biljana Maljković**

**ZNANSTVENO-NASTAVNO PODRUČJE**  
SCIENTIFIC-TEACHING AREA:

- Tehničke znanosti – Prometnice /  
*Technical science - Transportation*

**OBJAVLJENI RADOVI,**  
**MENTORSTVA I PROJEKTI**  
PUBLICATIONS, MENTORING AND  
PROFESSIONAL PROJECTS:

Znanstveni radovi s recenzijom u časopisima  
*/ Peer reviewed scientific papers in journals:*  
5; Znanstveni i stručni radovi u zbornicima  
skupova s recenzijom */ Peer reviewed  
scientific and professional conference  
papers:* 6;

**VODITELJSTVO I / ILI SUDJELOVANJE NA**  
**AKTUALNIM ISTRAŽIVAČKIM PROJEKTIMA**  
PROJECT COORDINATOR AND/OR RESEARCHER  
ON CURRENT RESEARC PROJECTS

Istraživanja u području projektiranja  
prometnica i upravljanja cestovnom  
infrastrukturom/*Research in a field of  
highway design and management;* Fakultet  
građevinarstva, arhitekture i geodezije,  
Sveučilište u Splitu.



**Daniela Dumanić**

**ZNANSTVENO-NASTAVNO PODRUČJE**  
SCIENTIFIC-TEACHING AREA:

- Projektiranje cestovnih prometnica /  
*Highway design*
- Gornji ustroj prometnica /  
*Pavement of roads and railways*

**OBJAVLJENI RADOVI,**  
**MENTORSTVA I PROJEKTI**  
PUBLICATIONS, MENTORING AND  
PROFESSIONAL PROJECTS:

Znanstveni radovi s recenzijom u časopisima  
*/ Peer reviewed scientific papers in other  
journals:* 2; Znanstveni i stručni radovi  
u zbornicima skupova s recenzijom */  
Peer reviewed scientific and professional  
conference papers:* 2;

**VODITELJSTVO I / ILI SUDJELOVANJE NA**  
**AKTUALNIM ISTRAŽIVAČKIM PROJEKTIMA**  
PROJECT COORDINATOR AND/OR RESEARCHER  
ON CURRENT RESEARC PROJECTS

Istraživanja u području projektiranja  
prometnica i upravljanja cestovnom  
infrastrukturom/*Research in a field of  
highway design and management;* Fakultet  
građevinarstva, arhitekture i geodezije,  
Sveučilište u Splitu.

# TEHNIČKA MEHANIKA

## ENGINEERING MECHANICS

### PREDMETI KOJE ODRŽAVA KATEDRA COURSES TAUGHT BY DEPARTMENT:

#### PREDDIPLOMSKI STUDIJ GRAĐEVINARSTVA UNDERGRADUATE STUDY OF CIVIL ENGINEERING

- **Mehanika II** / *Mechanics II*

#### DIPLOMSKI STUDIJ GRAĐEVINARSTVA GRADUATE STUDY OF CIVIL ENGINEERING:

- **Mehanika deformabilnog tijela** / *Mechanics of deformable body*
- **Plošne konstrukcije** / *Surface structures*
- **Konstrukcije povijesnih građevina** / *Structures of historical buildings*
- **Tuneli i podzemne građevine** / *Tunnels and underground structures*

#### POSLIJEDIPLOMSKI DOKTORSKI STUDIJ GRAĐEVINARSTVA POSTGRADUATE DOCTORAL STUDY OF CIVIL ENGINEERING

- **Bezmrežne numeričke metode i pripadajuće adaptivne tehnike** / *Meshless numerical methods and corresponding adaptive techniques*
- **Numeričko modeliranje ljuskastih konstrukcija** / *Numerical modelling of shell structures*

#### STRUČNI STUDIJ GRAĐEVINARSTVA PROFESSIONAL STUDY OF CIVIL ENGINEERING:

- **Tehnička mehanika I** / *Technical mechanics I*
- **Tehnička mehanika II** / *Technical mechanics II*

### PODRUČJE ZNANSTVENO-ISTRAŽIVAČKOG RADA PODRUČJE ZNANSTVENO-ISTRAŽIVAČKOG RADA

- **Suvremeno numeričko modeliranje linearnih i nelinearnih problema u tehničkoj mehanici** / *Modern numerical modelling of linear and nonlinear problems in technical mechanics*
- **Razvoj numeričkih modela za analizu nosivih konstrukcija sastavljenih od ljuski, ploča, zidova, greda i stupova** / *Development of numerical models for the analysis of bearing structures constructed of surface and line elements*
- **Numeričko modeliranje fizikalnih problema vezanih za oštećenja u materijalima (propagacija pukotina, stohastička identifikacija)** / *Numerical modeling of physical problems related to damage to materials (crack propagation, stochastic identification)*
- **Razvoj numeričkih algoritama za modeliranje problema strukturne mehanike pomoću spline funkcija** / *Development of numerical algorithms for modeling structural mechanics problems using spline functions*
- **Istraživanje novih adaptivnih postupaka i razvoj numeričkih modela u cilju poboljšanja kvalitete približnih rješenja** / *Research of new adaptive procedures and development of numerical models with the common goal of improving the quality of approximate solutions*

### PODRUČJE STRUČNOG RADA AREA OF PROFESSIONAL WORK

- **Izrada projekata nosivih konstrukcija različitih objekata (hidrotehnički objekti, tuneli, zgrade, cjevovodi, mostovi)** / *Design development for bearing structures for various objects (hyrotechnical objects, tunnels, buildings, pipelines, bridges)*
- **Izrada revizija, studija i ekspertiza** / *Development of revisions, studies and expertise*
- **Nadzor izvođenja kapitalnih objekata kulturne baštine** / *Supervision of the execution of capital cultural heritage objects*

### ČLANICE I ČLANOVI KATEDRE MEMBERS OF THE DEPARTMENT:



**Dr. sc. Vedrana Kozulić**  
Redovita profesorica (trajno zvanje)/Full Professor (Tenure)  
Šef katedre / Head of the Chair

#### ZNANSTVENO-NASTAVNO PODRUČJE SCIENTIFIC-TEACHING AREA:

- Numeričko modeliranje linearnih i nelinearnih problema u tehničkoj mehanici / Numerical modelling of linear and nonlinear problems in technical mechanics
- Razvoj numeričkih modela za analizu nosivih konstrukcija sastavljenih od ljuski, ploča, zidova, greda i stupova / Developing of numerical models for analysis of engineering structures composed of surface and line elements
- Implementacija atomskih baznih funkcija i razvoj novih numeričkih postupaka u modeliranju konstrukcija / Implementation of atomic basis functions and developing of new methods in numerical modelling
- Razvoj numeričkih algoritama za bezmrežno modeliranje inženjerskih problema na nepravilnim područjima / Development of numerical algorithms for meshless modeling of engineering problems in irregular areas

**OBJAVLJENI RADOVI, MENTORSTVA I PROJEKTI**  
PUBLICATIONS, MENTORING AND PROFESSIONAL PROJECTS:  
Knjige / Books: 1; Poglavlja u knjizi / Book chapters: 5; Znanstveni radovi u časopisima indeksiranim u Current Contents-u / Scientific papers in journals indexed in

CC: 9; Znanstveni radovi u časopisima indeksiranim u WoS-u / Scientific papers in journals indexed in WoS: 13; Znanstveni radovi s recenzijom u ostalim časopisima / Peer reviewed scientific papers in other journals: 6; Znanstveni i stručni radovi u zbornicima skupova s recenzijom / Peer reviewed scientific and professional conference papers: 43; Vođenje disertacija i magistarskih radova / Mentoring on Doctoral and Master thesis: 4; Vođenje diplomskih radova / Mentoring of Diploma thesis: 1; Stručni projekti, studije i ekspertize / Professional projects, studies and expertise: 20

#### VODITELJSTVO I / ILI SUDJELOVANJE NA AKTUALNIM ISTRAŽIVAČKIM PROJEKTIMA: PROJECT COORDINATOR AND/OR RESEARCHER ON CURRENT RESEARC PROJECTS

- Preventing, Managing and Overcoming Natural-Hazards Risks to mitiGATE economic and social impact (PMO-GATE), Programme 2014 - 2020 INTERREG V-A Italy - Croatia, 2019.-2022.. (suradnica / researcher)
- Multifizikalno modeliranje podzemnih i površinskih voda, IP-2020-02-2298 HRZZ / Multiphysics modelling of surface-subsurface water systems (suradnica / researcher)

#### ZNANSTVENO-NASTAVNO PODRUČJE SCIENTIFIC-TEACHING AREA:

- Razvoj numeričkih modela za analizu nosivih konstrukcija sastavljenih od ljuski, ploča, zidova, greda i stupova / Developing of numerical models for analysis of engineering structures composed of surface and line elements
- Istraživanje numeričkih modela za analizu tunela i podzemnih građevina / Researching of numerical models for analysis of tunnels and underground structures
- Obnova i sanacija konstrukcija povijesnih građevina / Rehabilitation of structures of cultural heritage objects
- Implementacija atomskih baznih funkcija i razvoj novih numeričkih postupaka u modeliranju konstrukcija / Implementation of atomic basis functions and developing of new methods in numerical modelling

**OBJAVLJENI RADOVI, MENTORSTVA I PROJEKTI**  
PUBLICATIONS, MENTORING AND PROFESSIONAL PROJECTS:  
Knjige / Books: 2; Poglavlja u knjizi / Book chapters: 5; Znanstveni radovi u časopisima indeksiranim u Current Contents-u / Scientific papers in journals indexed in CC: 11; Znanstveni radovi u časopisima indeksiranim u WoS-u / Scientific papers in journals indexed in WoS: 17; Znanstveni radovi s recenzijom u ostalim časopisima

/ Peer reviewed scientific papers in other journals: 9; Znanstveni i stručni radovi u zbornicima skupova s recenzijom / Peer reviewed scientific and professional conference papers: 53; Vođenje disertacija i magistarskih radova / Mentoring on Doctoral and Master thesis: 5; Vođenje diplomskih radova / Mentoring of Diploma thesis: 32; Stručni projekti, studije i ekspertize / Professional projects, studies and expertise: 42; Kontrole projekata - revizije / Project Controls - Revisions: više od 50

#### VODITELJSTVO I / ILI SUDJELOVANJE NA AKTUALNIM ISTRAŽIVAČKIM PROJEKTIMA: PROJECT COORDINATOR AND/OR RESEARCHER ON CURRENT RESEARC PROJECTS

- Multifizikalno modeliranje podzemnih i površinskih voda, IP-2020-02-2298 HRZZ / Multiphysics modelling of surface-subsurface water systems (suradnik / researcher)



**Dr. sc. Blaž Gotovac**  
Redoviti profesor  
(trajno zvanje) /  
Full Professor (Tenure)



**Dr. sc. Mijo Nikolić**  
docent / Assistant Professor

**ZNANSTVENO-NASTAVNO PODRUČJE**  
SCIENTIFIC-TEACHING AREA:

- Temeljne tehničke znanosti, mehanika i računalna mehanika, geotehnika / Mechanics, Computational mechanics, Geomechanics
- klasična mehanika krutih i deformabilnih tijela, plošne konstrukcije, mehanika tla i stijena / classical mechanics of rigid and deformable bodies, 2D planar structures, plates, shells, soil mechanics, rock mechanics
- slom kompozitnih materijala, propagacije pukotina, proračuni pomoću metode konačnih elemenata i poboljšanih metoda kao što su konačni elementi s ugrađenim diskontinuitetima, diskretni modeli za propagaciju pukotina / failure of composite structures and materials, fracture propagation problems, finite element method, extended finite element methods, embedded strong discontinuity method, cohesive zone models, lattice element methods
- razvoj novih simulacijskih programa baziranih na metodi konačnih elemenata / development of novel simulation tools based on finite element method
- simulacije propagacije pukotina i sloma u stijenama, betonskim i armiranobetonskim konstrukcijama / crack propagation and failure phenomena in rocks, concrete and reinforced concrete structures
- biocementirajući pijesci / biocemented sands
- mehanika nesaturiranog tla / unsaturated soil mechanics
- simulacije propagacije pukotina u poroznom mediju, 'coupled' hidromehanički modeli s ugrađenom mehanikom ponašanja deformabilnog skeletona i interakcije s fluidima, potpuno zasićeni porozni mediji, parcijalno zasićeni porozni mediji sa sukcijom i nelinearnim tečenjem prikazanim pomoću Richards'ove jednadžbe / fracture propagation in porous media such as rocks and soils, coupled hydro-mechanical models based on Biot theory with coupled mechanical deformations and fluid flow, fully saturated porous media with Terzaghi stress concept, partially saturated porous media with matric suction and nonlinear Richards equation for unsaturated fluid flow
- simulacije trajnosti strujnih dalekovoda i problem trošenja kabela konstrukcije pri različitim dinamičkim uvjetima / overhead powerline assessment, large displacement and strain simulations for estimation of electrical cables in different environment
- problem stohastičke identifikacije parametara i rješenja pomoću Bayes-ovog teorema, rješavanje inverznih problema sa stohastičkom raspodjelom parametara i integracija eksperimentalnih rezultata i mjerenja u stohastičke modele / stochastic identification of parameters, Bayes theorem, stochastic inverse problem solutions for reliable parameter estimation, uncertainty propagation and uncertainty quantification

**OBJAVLJENI RADOVI, MENTORSTVA I PROJEKTI**  
PUBLICATIONS, MENTORING AND PROFESSIONAL PROJECTS:

Knjige / Books: 1; Poglavlja u knjizi / Book chapters: 2; Znanstveni radovi u časopisima indeksiranim u Current Contents-u / Scientific papers in journals indexed in CC: 11; Znanstveni radovi u časopisima indeksiranim u

WoS-u / Scientific papers in journals indexed in WoS: 15; Znanstveni i stručni radovi u zbornicima skupova s recenzijom / Peer reviewed scientific and professional conference papers: 6; Vođenje disertacija / Mentoring on Doctoral Theses: 2; Suradnik na projektu Hrvatske zaklade za znanost HRZZ-IP-2014-09-2319 - Razvoj numeričkih modela armirano-betonskih i kamenih zidanih konstrukcija izloženih potresnom opterećenju zasnovanih na diskretnim pukotinama / Associate member Croatian Science Foundation project HRZZ-IP-2014-09-2319 - Development of numerical models for reinforced-concrete and stone masonry structures under seismic loading based on discrete cracks (SeismoNumMod)

**VODITELJSTVO I / ILI SUDJELOVANJE NA AKTUALNIM ISTRAŽIVAČKIM PROJEKTIMA:**  
PROJECT COORDINATOR AND/OR RESEARCHER ON CURRENT RESEARCH PROJECTS

- Voditelj projekta Hrvatske zaklade za znanost: HRZZ-UIP-2020-02-6693 - Metodologija za procjenu parametara u problemima propagacije pukotina nastalih pod utjecajem ekstremnih mehaničkih opterećenja (FracID) / Principal investigator (PI) Croatian Science Foundation project: HRZZ-UIP-2020-02-6693 - Parameter estimation framework for fracture propagation problems under extreme mechanical loads (FracID)
- Suradnik na projektu Hrvatske zaklade za znanost: HRZZ-UIP-2017-05-3429 - Eksperimentalna i numerička istraživanja mehanizama u nesaturiranim geomaterijalima (UNSAT1) / Associate member Croatian Science Foundation project: HRZZ-UIP-2017-05-3429 - Experimental and numerical investigations of mechanisms in unsaturated geomaterials (UNSAT1)

**NAGRADE I PRIZNANJA / AWARDS AND HONORS:**

- 2016. Central European Association for Computational Mechanics (CEACM): Najbolji doktorski rad za 2015 u području Računalnih metoda u primijenjenim znanostima i inženjerstvu (Computational Methods in Applied Sciences and Engineering) / 2016. Central European Association for Computational Mechanics (CEACM): The best PhD thesis of 2015 on Computational Methods in Applied Sciences and Engineering
- 2016. European Community on Computational Methods in Applied Sciences (ECCOMAS): Finalist ECCOMAS natjecanja za nagradu za najbolji doktorski rad u 2015 u području Računalnih metoda u primijenjenim znanostima i inženjerstvu (Computational Methods in Applied Sciences and Engineering) / 2016. European Community on Computational Methods in Applied Sciences (ECCOMAS): The finalist of ECCOMAS award for the best PhD theses of 2015 on Computational Methods in Applied Sciences and Engineering
- 2014/15 Stipendija doktorske škole École Normale Supérieure de Cachan, Francuska / 2014/15 École Normale Supérieure de Cachan Fellowship
- 2013/14 Stipendija francuske vlade / 2013/14 French Government Fellowship



**Dr. sc. Nives Brajčić Kurbaša**  
asistentica / Assistant

**ZNANSTVENO-NASTAVNO PODRUČJE**  
SCIENTIFIC-TEACHING AREA:

- Numeričko modeliranje inženjerskih problema u tehničkoj mehanici / Numerical modelling of engineering problems in technical mechanics
- Razvoj atomskih baznih funkcija eksponencijalnog tipa u numeričkoj mehanici i njihova primjena u inženjerskoj praksi / Development of exponential atomic basic functions in numerical mechanics and their application in engineering practice
- Razvoj numeričkih algoritama za bezmrežno modeliranje inženjerskih problema na nepravilnim područjima / Development of numerical algorithms for meshless modeling of engineering problems in irregular areas

**OBJAVLJENI RADOVI, MENTORSTVA I PROJEKTI**  
PUBLICATIONS, MENTORING AND PROFESSIONAL PROJECTS:

Znanstveni radovi u časopisima indeksiranim u Current Contents-u / Scientific papers in journals indexed in CC: 1; Znanstveni radovi u časopisima indeksiranim u WoS-u / Scientific papers in journals indexed in WoS: 1; Znanstveni radovi s recenzijom u ostalim časopisima / Peer reviewed scientific papers in other journals: 2; Znanstveni i stručni radovi u zbornicima skupova s recenzijom / Peer reviewed scientific and professional conference papers: 3

**ZNANSTVENO-NASTAVNO PODRUČJE**  
SCIENTIFIC-TEACHING AREA:

- Numeričko modeliranje inženjerskih problema / Numerical modelling of engineering problems

**OBJAVLJENI RADOVI, MENTORSTVA I PROJEKTI**  
PUBLICATIONS, MENTORING AND PROFESSIONAL PROJECTS:

Znanstveni i stručni radovi u zbornicima skupova s recenzijom / Peer reviewed scientific and professional conference papers: 1



**Jakov Česić**  
asistent / Assistant

# TEORIJA KONSTRUKCIJA

## THEORY OF STRUCTURES

### PREDMETI KOJE ODRŽAVA KATEDRA COURSES TAUGHT BY DEPARTMENT:

#### PREDDIPLOMSKI STUDIJ GRAĐEVINARSTVA UNDERGRADUATE STUDY OF CIVIL ENGINEERING

- Građevna statika I / *Building statics I*
- Građevna statika II / *Building statics II*
- Mehanika I / *Mechanics I*

#### DIPLOMSKI STUDIJ GRAĐEVINARSTVA GRADUATE STUDY OF CIVIL ENGINEERING:

- Dinamika konstrukcija i potresno inženjerstvo / *Dynamics of structures and earthquake engineering*
- Stabilnost i optimizacija konstrukcija / *Stability and optimization of structures*
- Dinamički modeli potresnog inženjerstva / *Dynamics models of earthquake engineering*
- Zidane konstrukcije / *Masonry structures*
- Nelinearna građevna statika / *Nonlinear building statics*
- Fizika zgrade / *Building physics*
- Projektiranje konstrukcija računalom / *Computer aided design of structures*
- Osnove simulacijskog inženjerstva / *Fundamentals of simulation engineering*
- Primijenjeno simulacijsko inženjerstvo / *Applied simulation engineering*

#### PREDDIPLOMSKI SVEUČILIŠNI STUDIJ ARHITEKTURA I URBANIZAM / UNDERGRADUATE PROFESSIONAL STUDY OF CIVIL ENGINEERING:

- Osnove nosivih konstrukcija 1 / *Basis of structures 1*

#### PREDDIPLOMSKI STRUČNI STUDIJ GRAĐEVINARSTVO / UNDERGRADUATE UNIVERSITY STUDY OF GEODESY AND GEOINFORMATICS:

- Građevinska fizika / *Building physics*
- Projektiranje i proračun građevina pomoću računala / *Computer aided design and analysis of structures*
- Zidane konstrukcije / *Masonry structures*
- Građevinska regulativa / *Building regulations*
- Izvođenje građevinskih radova / *Execution of building works*

### POSLIJEDIPLOMSKI DOKTORSKI STUDIJ GRAĐEVINARSTVA POSTGRADUATE DOCTORAL STUDY OF CIVIL ENGINEERING

- Odabrana poglavlja dinamike konstrukcija i potresnog inženjerstva / *Selected chapters of dynamics of structures and earthquake engineering*
- Odabrana poglavlja stabilnosti konstrukcija / *Selected chapters of stability of structures*
- Metoda konačnih elemenata / *Finite element method*
- Informacijsko inženjerstvo / *Information engineering*
- Tehnike inženjerskih simulacija / *Engineering simulation techniques*
- Mehanika diskontinuiranih sredina / *Mechanics of discontinua*

### PODRUČJE ZNANSTVENO-ISTRAŽIVAČKOG RADA PODRUČJE ZNANSTVENO-ISTRAŽIVAČKOG RADA

- Materijalno i geometrijski nelinearno modeliranje štapnih, ravninskih, pločastih i prostornih konstrukcija / *Material and geometrical nonlinear modelling of rod, plane, plate and spatial structures*
- Nelinearno modeliranje armirano-betonskih, zidanih i metalnih konstrukcija / *Nonlinear modelling of reinforced concrete, masonry and metal structures*
- Numeričke simulacije pomoću metode konačnih elemenata i metode konačno-diskretnih elemenata / *Numerical simulations using finite element and finite-discrete element methods*
- Računalne metode u statičkom, dinamičkom i seizmičkom proračunu konstrukcija / *Computer methods in static, dynamic and seismic calculation of structures*

### PODRUČJE STRUČNOG RADA AREA OF PROFESSIONAL WORK

- Izrada projekata, ekspertiza i studija nosivih građevinskih konstrukcija / *Development of designs, expertise and studies for bearing civil engineering structures*
- Izrada projekata, ekspertiza i studija iz područja toplinske zaštite i zaštite od buke / *Development of designs, expertise and studies in the field of heat insulation and noise protection*
- Kontrola projekata betonskih i zidanih konstrukcija glede mehaničke otpornosti i stabilnosti / *Control of concrete and masonry structure designs in terms of mechanical resistance and stability*

### ČLANICE I ČLANOVI KATEDRE MEMBERS OF THE DEPARTMENT:



**Dr. sc. Ante Munjiza**  
Redoviti profesor (trajno zvanje) /  
Full Professor (Tenure)  
Šef katedre / Head of the Chair

#### ZNANSTVENO-NASTAVNO PODRUČJE SCIENTIFIC-TEACHING AREA:

- Simulacijsko inženjerstvo / *Simulation Engineering*
- Primijenjena fizika / *Computational Physics*
- Umjetna inteligencija / *Artificial Intelligence*
- Robotika / *Robotics*
- Biomehanika / *Biomechanics*
- Dinamika fluida / *Fluid Dynamics*

#### OBJAVLJENI RADOVI, MENTORSTVA I PROJEKTI PUBLICATIONS, MENTORING AND PROFESSIONAL PROJECTS:

Knjige / Books: 3; Znanstveni radovi u časopisima indeksiranim u WoS / Scientific papers in journals indexed in WoS: više od 100 / more than 100; Znanstveni i stručni radovi u zbornicima skupova s recenzijom / Peer reviewed scientific and professional conference papers: više od 100 / more than 100; Vođenje disertacija i magistarskih radova / Mentoring on Doctoral and Master thesis: više od 20 / more than 20; Stručni projekti, studije i ekspertize / Professional projects, studies and expertise: više od 20 / more than 20

#### ZNANSTVENO-NASTAVNO PODRUČJE SCIENTIFIC-TEACHING AREA:

- Teorijska, primijenjena i numerička mehanika krutih tijela i konstrukcija / *Theoretical, applied and computational solid and structural mechanics*
- Razvoj numeričkih modela ponašanja građevinskih konstrukcija pod statičkim i dinamičkim opterećenjem / *Development of numerical models of structural behavior under static and dynamic loading*
- Potresno inženjerstvo / *Earthquake engineering*
- Seizmička procjena ponašanja konstrukcija / *Performance based seismic assessment of the structures*
- Ocjena potresnog rizika / *Seismic risk assessment*
- Fizika zgrade / *Building physics*

#### OBJAVLJENI RADOVI, MENTORSTVA I PROJEKTI PUBLICATIONS, MENTORING AND PROFESSIONAL PROJECTS:

Knjige / Books: 1; Znanstveni radovi u časopisima indeksiranim u WoS / Scientific papers in journals indexed in WoS: 28; Znanstveni radovi s recenzijom u ostalim časopisima / Peer reviewed scientific papers in other journals: 14; Znanstveni i stručni radovi u zbornicima skupova s recenzijom / Peer reviewed scientific and professional conference papers: 122; Vođenje disertacija i magistarskih radova / Mentoring on Doctoral and Master thesis: 7; Vođenje diplomskih

#### NAGRADE I PRIZNANJA / AWARDS AND HONORS:

- Jedno od vodećih 200 znanstvenih dostignuća za 2015 u SAD-u / One of the top 200 scientific achievements for 2015 in the United States
- Nagrada za znanost Sveučilišta u Splitu za 2020. Godinu / Science Award of the University of Split for 2020
- Nagrada za znanost Sveučilišta u Splitu za 2018. Godinu / Science Award of the University of Split for 2018
- Hrvatska akademija znanosti i umjetnosti; dopisni član / Croatian Academy of Sciences and Arts; Corresponding member
- Hrvatska akademija tehničkih znanosti; redovni član / Croatian Academy of Engineering; Full member

radova / Mentoring of Diploma thesis: 24; Stručni projekti, studije i ekspertize / Professional projects, studies and expertise: 150

#### VODITELJSTVO I / ILI SUDJELOVANJE NA AKTUALNIM ISTRAŽIVAČKIM PROJEKTIMA: PROJECT COORDINATOR AND/OR RESEARCHER ON CURRENT RESEARCH PROJECTS

- Razvoj numeričkih modela armirano-betonskih i kamenih zidanih konstrukcija izloženih potresnom opterećenju zasnovanih na diskretnim pukotinama / *Development of numerical models for reinforced concrete and stone masonry structures under seismic loading based on discrete cracks, HRZZ – Croatian Science Foundation, HRZZ-IP-2014-09-2319, Voditeljica*
- Preventing, Managing and Overcoming Natural-Hazards Risks to mitigate economic and social impact (PMO-GATE), Programme 2014 - 2020 INTERREG V-A Italy – Croatia, Voditeljica



**Dr. sc. Boris Trogrlić**  
Redoviti profesor (trajno zvanje) / Full Professor (Tenure)

**ZNANSTVENO-NASTAVNO PODRUČJE**  
SCIENTIFIC-TEACHING AREA:

- Teorija konstrukcija / Theory of structures
- Nelinearno numeričko modeliranje konstrukcija / Nonlinear numerical modelling of structures
- Potresno inženjerstvo / Earthquake engineering
- Fizika zgrade / Building physics

**OBJAVLJENI RADOVI, MENTORSTVA I PROJEKTI**  
PUBLICATIONS, MENTORING AND PROFESSIONAL PROJECTS:

Knjige / Books: 4; Poglavlja u knjizi / Book chapters: 2; Znanstveni radovi u časopisima indeksiranim u WoS / Scientific papers in journals indexed in WoS: 17; Znanstveni radovi s recenzijom u ostalim časopisima / Peer reviewed scientific papers in other journals: 6; Znanstveni i stručni radovi u zbornicima skupova s recenzijom / Peer reviewed scientific and professional conference papers: 44; Vođenje disertacija i

magistarskih radova / Mentoring on Doctoral and Master thesis: 1; Vođenje diplomskih radova / Mentoring of Diploma thesis: 55; Stručni projekti, studije i ekspertize / Professional projects, studies and expertise: više od 100 / more than 100

**VODITELJSTVO I / ILI SUDJELOVANJE NA AKTUALNIM ISTRAŽIVAČKIM PROJEKTIMA:**  
PROJECT COORDINATOR AND/OR RESEARCHER ON CURRENT RESEARCH PROJECTS

- Razvoj i primjena naprednih građevinskih materijala za izgradnju zdravih zgrada: zaštita od neionizirajućeg zračenja / Development and application of advanced building materials for the construction of healthy buildings, Europski fond za regionalni razvoj, Nositelj: Sveučilište Josipa Jurja Strossmayera u Osijeku, Građevinski i arhitektonski fakultet Osijek
- Centar kompetencija za naprednu mobilnost / Competence Center for Advanced Mobility, Europski fond za regionalni razvoj, Nositelj: DIV GRUPA d.o.o. Samobor



**Dr. sc. Nikolina Živaljić**  
Izvanredna profesorica / Associate Professor

**ZNANSTVENO-NASTAVNO PODRUČJE**  
SCIENTIFIC-TEACHING AREA:

- Numeričko modeliranje konstrukcija / Numerical modelling of structures
- Statička i dinamička analiza konstrukcija / Static and dynamic analysis of structures

**OBJAVLJENI RADOVI, MENTORSTVA I PROJEKTI**  
PUBLICATIONS, MENTORING AND PROFESSIONAL PROJECTS:

Znanstveni radovi u časopisima indeksiranim u WoS / Scientific papers in journals indexed in WoS: 20; Znanstveni radovi s recenzijom u ostalim časopisima / Peer reviewed scientific papers in other journals: 5; Znanstveni i stručni radovi u zbornicima skupova s recenzijom / Peer reviewed

scientific and professional conference papers: 32; Vođenje diplomskih radova / Mentoring of Diploma thesis: 14; Stručni projekti, studije i ekspertize / Professional projects, studies and expertise: 6

**VODITELJSTVO I / ILI SUDJELOVANJE NA AKTUALNIM ISTRAŽIVAČKIM PROJEKTIMA:**  
PROJECT COORDINATOR AND/OR RESEARCHER ON CURRENT RESEARCH PROJECTS

- Razvoj numeričkih modela armirano-betonskih i kamenih zidanih konstrukcija izloženih potresnom opterećenju zasnovanih na diskretnim pukotinama / Development of numerical models for reinforced concrete and stone masonry structures under seismic loading based on discrete cracks, HRZZ – Croatian Science Foundation, HRZZ-IP-2014-09-2319



**Dr. sc. Hrvoje Smoljanović**  
Izvanredni profesor / Associate Professor

**ZNANSTVENO-NASTAVNO PODRUČJE**  
SCIENTIFIC-TEACHING AREA:

- Numeričko modeliranje konstrukcija / Numerical modelling of structures
- Statička i dinamička analiza konstrukcija / Static and dynamic analysis of structures
- Potresno inženjerstvo / Earthquake engineering

**OBJAVLJENI RADOVI, MENTORSTVA I PROJEKTI**  
PUBLICATIONS, MENTORING AND PROFESSIONAL PROJECTS:

Knjige / Books: 1; Znanstveni radovi u časopisima indeksiranim u WoS / Scientific papers in journals indexed in WoS: 29; Znanstveni radovi s recenzijom u ostalim časopisima / Peer reviewed scientific papers in other journals: 5; Znanstveni i stručni radovi u zbornicima skupova s recenzijom / Peer reviewed scientific and professional conference papers: 27; Vođenje diplomskih radova / Mentoring of Diploma thesis:

15; Stručni projekti, studije i ekspertize / Professional projects, studies and expertise: više od 100 / more than 100

**VODITELJSTVO I / ILI SUDJELOVANJE NA AKTUALNIM ISTRAŽIVAČKIM PROJEKTIMA:**  
PROJECT COORDINATOR AND/OR RESEARCHER ON CURRENT RESEARCH PROJECTS

- Razvoj numeričkih modela armirano-betonskih i kamenih zidanih konstrukcija izloženih potresnom opterećenju zasnovanih na diskretnim pukotinama / Development of numerical models for reinforced concrete and stone masonry structures under seismic loading based on discrete cracks, HRZZ – Croatian Science Foundation, HRZZ-IP-2014-09-2319

**NAGRADE I PRIZNANJA / AWARDS AND HONORS:**

Nagrada za znanost Sveučilišta u Splitu za 2016. godinu / Science Award of the University of Split for 2016



**Dr. sc. Ivan Balić**  
Izvanredni profesor / Associate Professor

**ZNANSTVENO-NASTAVNO PODRUČJE**  
SCIENTIFIC-TEACHING AREA:

- Numeričko modeliranje konstrukcija / Numerical modelling of structures
- Statička i dinamička analiza konstrukcija / Static and dynamic analysis of structures
- Potresno inženjerstvo / Earthquake engineering

**OBJAVLJENI RADOVI, MENTORSTVA I PROJEKTI**  
PUBLICATIONS, MENTORING AND PROFESSIONAL PROJECTS:

Knjige / Books: 1; Poglavlja u knjizi / Book chapters: 1; Znanstveni radovi u časopisima indeksiranim u WoS / Scientific papers in journals indexed in WoS: 10; Znanstveni radovi s recenzijom u ostalim časopisima / Peer reviewed scientific papers in other journals: 1; Znanstveni i stručni radovi u zbornicima skupova s recenzijom / Peer reviewed scientific and professional conference papers: 11; Vođenje diplomskih radova / Mentoring of Diploma thesis: 29; Stručni projekti, studije i ekspertize / Professional projects, studies and expertise: više od 100 / more than 100

**VODITELJSTVO I / ILI SUDJELOVANJE NA AKTUALNIM ISTRAŽIVAČKIM PROJEKTIMA:**  
PROJECT COORDINATOR AND/OR RESEARCHER ON CURRENT RESEARCH PROJECTS

- Razvoj numeričkih modela armirano-betonskih i kamenih zidanih konstrukcija izloženih potresnom opterećenju zasnovanih na diskretnim pukotinama / Development of numerical models for reinforced concrete and stone masonry structures under seismic loading based on discrete cracks, HRZZ – Croatian Science Foundation, HRZZ-IP-2014-09-2319



**Ante Mihanović**  
Professor emeritus / Professor Emeritus

**ZNANSTVENO-NASTAVNO PODRUČJE**  
SCIENTIFIC-TEACHING AREA:

- Mehanika konstrukcija / Mechanics of structures
- Dinamika konstrukcija i potresno inženjerstvo / Dynamics of structures and earthquake engineering
- Nelinearno numeričko modeliranje konstrukcija / Nonlinear numerical modelling of structures
- Provođenje topline i zaštita od buke / Heat conductivity and noise protection

**OBJAVLJENI RADOVI, MENTORSTVA I PROJEKTI**  
PUBLICATIONS, MENTORING AND PROFESSIONAL PROJECTS:

Knjige / Books: 6; Poglavlja u knjizi / Book chapters: 2; Znanstveni radovi u časopisima indeksiranim u WoS / Scientific papers in journals indexed in WoS: 16; Znanstveni radovi s recenzijom u ostalim časopisima / Peer reviewed scientific papers in other journals: 25; Znanstveni i stručni radovi u zbornicima skupova s recenzijom / Peer reviewed scientific and professional conference papers: 118; Vođenje disertacija i magistarskih radova / Mentoring on Doctoral and Master thesis: 16; Vođenje diplomskih radova / Mentoring of Diploma thesis: 57; Stručni projekti, studije i ekspertize / Professional projects, studies and expertise: više od 1000 / more than 1000; Kontrola projekata - revizije / Project Controls - Revisions: više od 3000 / more than 3000; Priznatih patenata / Recognized patents: 13

**NAGRADE I PRIZNANJA / AWARDS AND HONORS:**

- Nagrada Sveučilišta u Splitu / Award of the University of Split, 2008
- Nagrada KOLOS za životno djelo Hrvatske komore građevinskih inženjera / KOLOS Award for lifetime achievement of the Croatian Chamber of Civil Engineers
- Hrvatska akademija znanosti i umjetnosti; suradni član / Croatian Academy of Sciences and Arts; Associate member
- Hrvatska akademija tehničkih znanosti; redovni član / Croatian Academy of Engineering; Full member
- Utemeljitelj i dvadeset godina glavni i odgovorni urednik časopisa International Journal for Engineering Modeling / Founder and for twenty years editor-in-chief of the journal International Journal for Engineering Modeling



# GEOMETRIJA GEOMETRY

## PREDMETI KOJE ODRŽAVA KATEDRA COURSES TAUGHT BY DEPARTMENT

### PSSG:

- *Nacrtna geometrija / Descriptive geometry*
- *Primijenjena geometrija / Applied geometry*

### PSSAU:

- *Osnove projiciranja I / Principles of projections 1*
- *Osnove projiciranja II / Principles of projections 2*

### SSG:

- *Nacrtna geometrija / Descriptive geometry*

### PSSGG:

- *Računalna geometrija / Computer geometry*

## PODRUČJE ZNANSTVENO-ISTRAŽIVAČKOG RADA AREA OF SCIENTIFIC RESEARCH

- *Matematika / Mathematics*
- *Geometrija / Geometry*
- *Matematička analiza / Mathematical analysis*
- *Nejednakosti / Inequalities*

## PODRUČJE STRUČNOG RADA AREA OF PROFESSIONAL WORK

- *Metodika nastave geometrije / Methodology of geometry teaching*

## ČLANICE KATEDRE MEMBERS OF THE DEPARTMENT:



**Dr. sc. Neda Lovričević**  
Izvanredna profesorica /  
Associate Professor  
Šef katedre / Head of the Chair

### ZNANSTVENO-NASTAVNO PODRUČJE SCIENTIFIC-TEACHING AREA:

- Matematika, matematička analiza, matematičke nejednakosti u realnoj i funkcionalnoj analizi, nejednakosti u teoriji informacije / *Mathematics, Mathematical analysis, Mathematical inequalities in real and functional analysis, Inequalities in information theory*
- Geometrija, deskriptivna geometrija / *Geometry, Descriptive geometry*

### OBJAVLJENI RADOVI, MENTORSTVA I PROJEKTI PUBLICATIONS, MENTORING AND PROFESSIONAL PROJECTS:

- Knjige / Books: **1**; Poglavlja u knjizi / Chapters in books: **1**; Znanstveni radovi u časopisima indeksiranim u Current

Contents-u / *Scientific papers in journals indexed in Current Contents*: **7**; Znanstveni radovi s recenzijom u Web of Science Core Collection / *Scientific papers in journals indexed in WoSCC*: **11**; Znanstveni radovi s recenzijom u Scopus / *Scientific papers in journals indexed in Scopus*: **12**; Stručni radovi / *Peer reviewed professional papers*: **1**; Vođenje završnih radova / *Mentoring on Bachelor thesis*: **3**.

**VODITELJSTVO I / ILI SUDJELOVANJE NA AKTUALNIM ISTRAŽIVAČKIM PROJEKTIMA:**  
PROJECT COORDINATOR AND/OR RESEARCHER ON CURRENT RESEARCH PROJECTS

- ZIU projekt: Numeričko modeliranje u građevinarstvu (istraživač / *researcher*)
- Erasmus + KA2 projekt: Teaching mathematics in STEM context for STEM students (istraživač / *researcher*)



**Dr. sc. Maja Andrić**  
Izvanredna profesorica /  
Associate Professor

### ZNANSTVENO-NASTAVNO PODRUČJE SCIENTIFIC-TEACHING AREA:

- Matematika, Matematička analiza, Nejednakosti za sume, redove i integrale, Razlomljene derivacije i integrali / *Mathematics, Mathematical analysis, Inequalities for sums, series and integrals, Fractional derivatives and integrals*
- Geometrija, Konačna geometrija i posebne incidencijske strukture, Analitička i deskriptivna geometrija / *Geometry, Finite geometry and special incidence structure, Analytic and Descriptive geometry*

### OBJAVLJENI RADOVI, MENTORSTVA I PROJEKTI PUBLICATIONS, MENTORING AND PROFESSIONAL PROJECTS:

- Knjige / Books: **2**; Znanstveni radovi u časopisima indeksiranim u Current Contents-u / *Scientific papers in journals*

*indexed in CCC*: **7**; Znanstveni radovi s recenzijom u Web of Science Core Collection / *Scientific papers in journals indexed in WoSCC*: **16**; Znanstveni radovi s recenzijom u Scopus / *Scientific papers in journals indexed in Scopus*: **14**; Znanstveni radovi s recenzijom u ostalim časopisima / *Peer reviewed scientific papers in other journals*: **5**; Stručni radovi / *Peer reviewed professional papers*: **2**; Vođenje diplomskih radova / *Mentoring of Graduation thesis*: **3**; Vođenje završnih radova / *Mentoring of Bachelor thesis*: **15**.

**VODITELJSTVO I / ILI SUDJELOVANJE NA AKTUALNIM ISTRAŽIVAČKIM PROJEKTIMA:**  
PROJECT COORDINATOR AND/OR RESEARCHER ON CURRENT RESEARCH PROJECTS

- ZIU projekt: Numeričko modeliranje u građevinarstvu (istraživač / *researcher*)
- Erasmus + KA2 projekt: Teaching mathematics in STEM context for STEM students (istraživač / *researcher*)



**Nikolina Ratković Rubić**  
Asistentica /  
Teaching Assistant

### ZNANSTVENO-NASTAVNO PODRUČJE SCIENTIFIC-TEACHING AREA:

- Matematika, Diskretna matematika, Obične diferencijalne jednačbe / *Mathematics, Discrete mathematics, Ordinary differential equations*
- Geometrija, Deskriptivna geometrija / *Geometry, Descriptive geometry*

**VODITELJSTVO I / ILI SUDJELOVANJE NA AKTUALNIM ISTRAŽIVAČKIM PROJEKTIMA:**  
PROJECT COORDINATOR AND/OR RESEARCHER ON CURRENT RESEARCH PROJECTS

ZIU projekt: Numeričko modeliranje u građevinarstvu (istraživač / *researcher*)

# KATEDRA ZA MATEMATIKU I FIZIKU / KATEDRA ZA MATEMATIKU I FIZIKU

## PREDMETI KOJE ODRŽAVA KATEDRA COURSES TAUGHT BY DEPARTMENT

### PREDDIPLOMSKI STUDIJ GRAĐEVINARSTVA UNDERGRADUATE STUDY OF CIVIL ENGINEERING:

- Matematika I / Mathematics I
- Fizika / Physics
- Uporaba računala / Informatics
- Matematika II / Mathematics II
- Vjerojatnost i statistika / Probability and statistics
- Primijenjena matematika / Applied mathematics

### DIPLOMSKI STUDIJ GRAĐEVINARSTVA GRADUATE STUDY OF CIVIL ENGINEERING:

- Primijenjena matematika / Applied mathematics
- Računalno programiranje / Computer programming
- Linearna algebra / Linear algebra

### POSLIJEDIPLOMSKI SVEUČILIŠNO (DOKTORSKI) STUDIJ GRAĐEVINARSTVO / POSTGRADUATE DOCTORAL STUDY OF CIVIL ENGINEERING:

- Primijenjena funkcionalna analiza /  
Applied functional analysis
- Metode optimizacije / Practical methods of optimization
- Matematička analiza rubnih zadataka /  
Mathematical analysis of boundary value problems
- Integralne jednačbe / Integral equations
- Metode matematičke statistike /  
Methods of mathematical statistics

### PREDDIPLOMSKI STRUČNI STUDIJ GRAĐEVINARSTVO /UNDERGRADUATE PROFESSIONAL STUDY OF CIVIL ENGINEERING:

- Matematika / Mathematics
- Uporaba računala I / Informatics I
- Uporaba računala II / Informatics II
- Preddiplomski sveučilišni studij Arhitektura i urbanizam /  
Undergraduate University Study of Architecture and Urban  
Planning:
- Matematika I / Mathematics I
- Matematika II / Mathematics II

### PREDDIPLOMSKI SVEUČILIŠNI STUDIJ GEODEZIJA I GEOINFORMATIKA/UNDERGRADUATE UNIVERSITY STUDY OF GEODESY AND GEOINFORMATICS:

- Analitička geometrija i linearna algebra / Analytical Geom-  
etry and Linear Algebra
- Matematička analiza / Mathematical analysis
- Vektorska analiza / Vector analysis
- Osnove statistike / Basis of statistics
- Diferencijalna geometrija / Differential geometry

### PODRUČJE ZNANSTVENO-ISTRAŽIVAČKOG RADA AREA OF SCIENTIFIC RESEARCH

- Kvalitativna analiza egzistencije i aproksimacije rješenja  
običnih i parcijalnih diferencijalnih jednačbi u  $R^n$ / Qual-  
itative analysis of existence and approximation of solu-  
tions in partial and ordinary differential equations in  $R^n$
- Numerička matematika: numeričke metode / Numerical  
mathematics
- Matematička analiza: realne funkcije, poopćenja  
konveksnosti, nejednakosti i primjene / Mathematical  
analysis: real functions, generalised convexity, inequality  
and applications
- Kombinatorna i diskretna matematika, teorija grafova:  
matematičko modeliranje u kemiji i kompleksne mreže /  
Combined and discrete mathematics, graph theory: math-  
ematical modelling in chemistry and complex networks

### PODRUČJE STRUČNOG RADA AREA OF PROFESSIONAL WORK

- Matematička analiza običnih, parcijalnih i integralnih  
jednačbi / Mathematical analysis of ordinary, partial and  
integral equations
- Numerička matematika / Numerical mathematics
- Matematička statistika / Mathematical statistics

## ČLANICE I ČLANOVI KATEDRE MEMBERS OF THE DEPARTMENT:



**Dr. sc. Slavica Ivelić  
Bradanović**  
Izvanredna profesorica /  
Associate Professor



**Dr. sc. Jelena Sedlar**  
Izvanredna profesorica /  
Associate Professor



**Dr. sc. Senka Banić**  
Docentica /  
Assistant Professor

### ZNANSTVENO-NASTAVNO PODRUČJE SCIENTIFIC-TEACHING AREA:

- Matematička analiza /  
*Mathematical analysis*
- Realne funkcije, poopćenja  
konveksnosti, nejednakosti i primjene /  
*Real functions, generalizations of  
convexity, inequalities and applications*

### OBJAVLJENI RADOVI, MENTORSTVA I PROJEKTI PUBLICATIONS, MENTORING AND PROFESSIONAL PROJECTS:

Autorske knjige/ Authored books: 1;  
Poglavlja u knjizi / Book chapters: 2;  
Znanstveni radovi u časopisima indeksiranim  
in SCIE / Scientific papers in journals

indexed in SCIE: 20; Znanstveni radovi s  
recenzijom u ostalim časopisima / Peer  
reviewed scientific papers in other journals:  
5; Znanstveni i stručni radovi u zbornicima  
skupova s recenzijom / Peer reviewed  
scientific and professional conference  
papers: 1; Sažeci sa skupova / Conference  
abstracts: 10; Professional projects, studies  
and expertise: 6

**VODITELJSTVO I / ILI SUDJELOVANJE NA  
AKTUALNIM ISTRAŽIVAČKIM PROJEKTIMA:  
PROJECT COORDINATOR AND/OR RESEARCHER  
ON CURRENT RESEARC PROJECTS**  
ZIU projekt: Numeričko modeliranje u  
građevinarstvu (istraživač/researcher)

### ZNANSTVENO-NASTAVNO PODRUČJE SCIENTIFIC-TEACHING AREA:

- Kombinatorna i diskretna matematika /  
*Combinatorial and discrete mathematics*

### OBJAVLJENI RADOVI, MENTORSTVA I PROJEKTI PUBLICATIONS, MENTORING AND PROFESSIONAL PROJECTS:

Poglavlja u knjizi / Book chapters: 3;  
Znanstveni radovi u časopisima indeksiranim  
in SCIE / Scientific papers in journals  
indexed in SCIE: 19; Znanstveni radovi s  
recenzijom u ostalim časopisima / Peer  
reviewed scientific papers in other journals:  
3; Znanstveni i stručni radovi u zbornicima  
skupova s recenzijom / Peer reviewed  
scientific and professional conference  
papers: 3; Sažeci sa skupova / Conference  
abstracts: 10; Vodenje disertacija i

magistarskih radova / Mentoring on Doctoral  
and Master thesis: 1; Professional projects,  
studies and expertise: 10

**VODITELJSTVO I / ILI SUDJELOVANJE NA  
AKTUALNIM ISTRAŽIVAČKIM PROJEKTIMA:  
PROJECT COORDINATOR AND/OR RESEARCHER  
ON CURRENT RESEARC PROJECTS**  
ZIU projekt: Numeričko modeliranje u  
građevinarstvu (istraživač/researcher);  
Kompleksne mreže; naručitelj: ARRS  
Slovenija / Complex networks; financed by  
the ARRS Slovenia (istraživač / researcher)  
Bojanja, dekompozicije i pokrivači grafova;  
naručitelj: ARRS Slovenija / Cologings,  
decompositions and covers of graphs;  
financed by the ARRS Slovenia (istraživač /  
researcher)

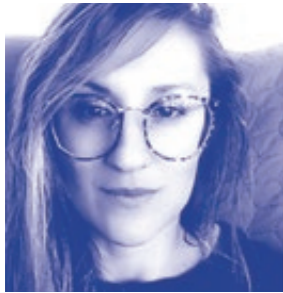
### ZNANSTVENO-NASTAVNO PODRUČJE SCIENTIFIC-TEACHING AREA:

- Matematička analiza / *Mathematical analysis*
- Realne funkcije, poopćenja konveksnosti,  
nejednakosti i primjene / *Real functions,  
generalizations of convexity, inequalities and  
applications*

### OBJAVLJENI RADOVI, MENTORSTVA I PROJEKTI PUBLICATIONS, MENTORING AND PROFESSIONAL PROJECTS:

Knjige / Books: 1;  
Znanstveni radovi objavljeni u časopisima  
indeksiranim u SCIE-EXP / Scientific papers  
in journals indexed in SCIE-EXP: 6;  
Znanstveni radovi s recenzijom u ostalim  
časopisima / Peer reviewed scientific papers  
in other journals: 2; Sažeci sa skupova /  
Conference abstracts: 5; Znanstveni projekti  
/ Scientific projects: 3

**VODITELJSTVO I / ILI SUDJELOVANJE NA  
AKTUALNIM ISTRAŽIVAČKIM PROJEKTIMA:  
PROJECT COORDINATOR AND/OR RESEARCHER  
ON CURRENT RESEARC PROJECTS**  
ZIU projekt: Numeričko modeliranje u  
građevinarstvu (istraživač / researcher)



**Dr.sc. Suzana Antunović**  
Viši predavač / Senior lecturer

**ZNANSTVENO-NASTAVNO PODRUČJE**  
SCIENTIFIC-TEACHING AREA:

- Teorija grafova / Graph theory
- Kompleksne mreže / Complex networks
- Kombinatorna i diskretna matematika / Combinatorial and discrete mathematics

**OBJAVLJENI RADOVI, MENTORSTVA I PROJEKTI**  
PUBLICATIONS, MENTORING AND PROFESSIONAL PROJECTS:

Znanstveni radovi u časopisima indeksiranim in SCIE / Scientific papers in journals indexed in SCIE: 3; Znanstveni radovi s recenzijom u ostalim časopisima / Peer reviewed scientific papers in other journals: 1; Znanstveni i stručni radovi u zbornicima skupova s recenzijom / Peer reviewed scientific and professional conference papers: 1; Sažeci sa skupova / Conference abstracts: 1

**VODITELJSTVO I / ILI SUDJELOVANJE NA AKTUALNIM ISTRAŽIVAČKIM PROJEKTIMA**  
PROJECT COORDINATOR AND/OR RESEARCHER ON CURRENT RESEARC PROJECTS  
ZIU project: Numeričko modeliranje u građevinarstvu (istraživač/researcher)



**Mr. sc. Slobodan Pavasović**  
viši predavač / Senior lecturer

**ZNANSTVENO-NASTAVNO PODRUČJE**  
SCIENTIFIC-TEACHING AREA:

- Matematička analiza / Mathematical analysis

**OBJAVLJENI RADOVI, MENTORSTVA I PROJEKTI**  
PUBLICATIONS, MENTORING AND PROFESSIONAL PROJECTS:

Knjige / Books: 1; Znanstveni i stručni radovi u zbornicima skupova s recenzijom / Peer reviewed scientific and professional conference papers: 9; Stručni projekti, studije i ekspertize / Professional projects, studies and expertise: 30

**VODITELJSTVO I / ILI SUDJELOVANJE NA AKTUALNIM ISTRAŽIVAČKIM PROJEKTIMA:**  
PROJECT COORDINATOR AND/OR RESEARCHER ON CURRENT RESEARC PROJECTS  
ZIU project: Geografski informacijski sustavi i modeliranje podrške odlučivanju u građevinarstvu (istraživač/researcher)



**Milena Vulević**  
predavačica / lecturer

**ZNANSTVENO-NASTAVNO PODRUČJE**  
SCIENTIFIC-TEACHING AREA:

- Matematička analiza / Mathematical analysis
- Vjerojatnost i statistika - osnove / Probability and statistics - basics
- Uporaba računala / Computer usage

**OBJAVLJENI RADOVI, MENTORSTVA I PROJEKTI**  
PUBLICATIONS, MENTORING AND PROFESSIONAL PROJECTS:

Sudjelovanje na stručnim radionicama i kongresu / Participation in professional workshops (3) and participation in the congress (1)

**VODITELJSTVO I / ILI SUDJELOVANJE NA AKTUALNIM ISTRAŽIVAČKIM PROJEKTIMA:**  
PROJECT COORDINATOR AND/OR RESEARCHER ON CURRENT RESEARC PROJECTS  
ZIU projects:  
Numeričko modeliranje u građevinarstvu  
LC GIS – SPO



**Matea Jelić**  
asistentica/ Assistant

**ZNANSTVENO-NASTAVNO PODRUČJE**  
SCIENTIFIC-TEACHING AREA:

- Topologija i geometrija / Topology and geometry
- Logika i računarstvo / Logic and Computer Science
- Izračunljiva analiza / Computable analysis

**OBJAVLJENI RADOVI, MENTORSTVA I PROJEKTI**  
PUBLICATIONS, MENTORING AND PROFESSIONAL PROJECTS:

Sažeci sa znanstvenih skupova / Conference abstracts: 1

**VODITELJSTVO I / ILI SUDJELOVANJE NA AKTUALNIM ISTRAŽIVAČKIM PROJEKTIMA**  
PROJECT COORDINATOR AND/OR RESEARCHER ON CURRENT RESEARC PROJECTS

- ZIU projects:
- Izračunljive strukture, odlučivost i složenost; naručitelj: HRZZ - Hrvatska zaklada za znanost / Computable structures, decidability and complexity; financed by the CSF - Croatian Science Foundation (istraživač / researcher)
  - ZUI project: Numeričko modeliranje u građevinarstvu (istraživač / researcher)

**VANJSKI I SURADNICI KATEDRE**  
ASSOCIATE MEMBERS OF THE DEPARTMENT



**Dr. sc. Nenad Leder**  
Assistant Professor  
(Pomorski fakultet u Splitu)

**ZNANSTVENO-NASTAVNO PODRUČJE**  
SCIENTIFIC-TEACHING AREA:

- Geofizika / Geophysics
- Pomorska hidraulika / Maritime Hydraulics
- Priobalni procesi / Coastal Processes

**OBJAVLJENI RADOVI, MENTORSTVA I PROJEKTI**  
PUBLICATIONS, MENTORING AND PROFESSIONAL PROJECTS:

Poglavlja u knjizi / Book chapters: 3; Znanstveni radovi u časopisima indeksiranim u Current Contents-u / Scientific papers in journals indexed in CC: 13; Znanstveni radovi s recenzijom u ostalim časopisima / Peer reviewed scientific papers in other journals: 37; Znanstveni i stručni radovi u zbornicima skupova s recenzijom / Peer reviewed scientific and professional conference papers: 88; Stručni projekti, studije i ekspertize / Professional projects, studies and expertise: 242

**NAGRADE I PRIZANJA / AWARDS AND HONORS:**

- Commission Internationale pour l'Exploration Scientifique de la mer Mediterranee Award (CIESM), Venecija, 2010.;
- International Federation of Surveyors (FIG), Copenhagen, 2021.



**Dr.sc. Frano Matić**  
Docent / Assistant Professor  
(Institut za oceanografiju i ribarstvo, Split)

**ZNANSTVENO-NASTAVNO PODRUČJE**  
SCIENTIFIC-TEACHING AREA:

- Međudjelovanje atmosfere i mora / Air-sea interaction
- Strojno učenje / Machine learning

**OBJAVLJENI RADOVI, MENTORSTVA I PROJEKTI**  
PUBLICATIONS, MENTORING AND PROFESSIONAL PROJECTS:

Znanstveni radovi s recenzijom u časopisima / Peer reviewed scientific papers in other journals: 29; Sažeci sa skupova / Conference abstracts: 12; Znanstveni i stručni radovi u zbornicima skupova / Conference proceedings papers: 5;

**VODITELJSTVO I / ILI SUDJELOVANJE NA AKTUALNIM ISTRAŽIVAČKIM PROJEKTIMA**  
PROJECT COORDINATOR AND/OR RESEARCHER ON CURRENT RESEARC PROJECTS

- Izranjanje i poniranje u području srednjeg Jadrana. HRZZ / Middle Adriatic Upwelling and Downwelling (istraživač / researcher)
- Snaga i varijabilnost ekstremnih razina Jadranskog mora u sadašnjoj i budućoj klimi. HRZZ / Strength and variability of the Adriatic Sea level extremes in present and future climates (istraživač / researcher)

KATEDRE STUDIJA ARHITEKTURE  
CHAIRS OF THE STUDY OF  
ARCHITECTURE



# ARHITEKTONSKO PROJEKTIRANJE

## ARCHITECTURAL DESIGN

### PREDMETI KOJE ODRŽAVA KATEDRA COURSES TAUGHT BY DEPARTMENT:

### PREDDIPLOMSKI STUDIJ ARHITEKTURE UNDERGRADUATE STUDY OF ARCHITECTURE

- Osnove arhitektonskog projektiranja 1 / *Introduction to architectural design 1*
- Osnove arhitektonskog projektiranja 2 / *Introduction to architectural design 2*
- Tipologija i forma u arhitekturi 1 / *Typology and form in architecture 1*
- Tipologija i forma u arhitekturi 2 / *Typology and form in architecture 2*
- Crtanje 1 / *Drawing 1*
- Crtanje 2 / *Drawing 2*
- Uporaba računala u arhitekturi 1 / *Computer – aided architectural design 1*
- Uporaba računala u arhitekturi 2 / *Computer – aided architectural design 2*
- Radionica arhitektonskog projektiranja 1 / *Architectural design workshop 1*
- Radionica arhitektonskog projektiranja 2 / *Architectural design workshop 2*
- Tipologija i forma u arhitekturi 3 / *Typology and form in architecture 3*
- Tipologija i forma u arhitekturi 4 / *Typology and form in architecture 4*
- Oblikovanje / *Modelling*
- Arhitektonska prezentacija / *Architectural presentation*
- Radionica arhitektonskog projektiranja 3 / *Architectural design workshop 3*
- Radionica arhitektonskog projektiranja 4 - Završni rad / *Architectural design workshop 4-Final work*

### DIPLOMSKI STUDIJ ARHITEKTURE

- Diplomski studio 1 / *Diploma studio1*
- Diplomski studio 2 / *Diploma studio1*
- Diplomski studio 3 / *Diploma studio1*
- Interijer / *Interior design*

### PODRUČJE UMJETNIČKOG I STRUČNOG RADA THE AREA OF ARTISTIC AND PROFESSIONAL WORK:

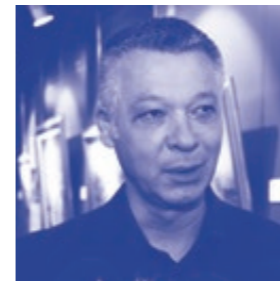
- Arhitektonsko projektiranje / *Architectural design*
- Izrada dokumenata prostornog uređenja (urbanističko planiranje) / *Development of zoning documentation (Urban planning)*
- Stručni nadzor / *Expert supervision*
- Arhitektonski i urbanistički natječaji / *Architectural and town planning competitions*
- Slikarstvo / *Painting*
- Kiparstvo / *Sculpting*
- Dizajn / *Design*

\* Više podataka o Katedri, članicama i članovima Katedre na /  
More details about Department and members of Department on:  
<http://www.gradst.hr/arhitektonsko-projektiranje/default.aspx>

### ČLANICE I ČLANOVI KATEDRE MEMBERS OF THE DEPARTMENT:



**Neno Kezić**  
Redoviti profesor (trajno zvanje) /  
Full Professor (Tenure)  
Šef katedre /  
Head of the Chair



**Hrvoje Njirić**  
Redoviti profesor (trajno zvanje) / Full Professor  
(Tenure)

### UMJETNIČKO-NASTAVNO PODRUČJE / ARTISTIC AND TEACHING AREA:

- Arhitektonsko projektiranje / *Architectural Design*
- Urbanistički planovi / *Master Plans*
- Interijer / *Interior Design*
- Sudjelovanje na arhitektonskim natjecanjima / *Participation in architectural competitions*
- Međunarodne radionice / *International Workshops*

### OBJAVLJENI RADOVI / PUBLICATIONS:

Arhitektonski projekti / *Architectural Projects*: 179; Urbanistički planovi / *Urban Design Projects*: 12; Sudjelovanje na arhitektonskim natjecanjima / *Participation in Architectural Competitions*: 67; Nagrade na arhitektonskim natjecanjima / *Competition Awards*: 29; Nagrade i priznanja (UHA, Zagrebački salon i sl.) / *Awards and acknowledgements*: 7; Nagrade na međunarodnim arhitektonskim natjecanjima / *International Competition Awards*: 2; Međunarodne nagrade i priznanja / *International Awards and acknowledgements*: 1; Arhitektonske realizacije / *Completed Architectural Works*: 54; Izložbe / *Exhibitions*: 31; Vođenje diplomskih radova / *Mentoring of Diploma thesis*: 34

### UMJETNIČKO-NASTAVNO PODRUČJE / ARTISTIC AND TEACHING AREA:

- Arhitektonsko projektiranje / *Architectural Design*
- Urbanistički planovi / *Master Plans*
- Sudjelovanje na arhitektonskim natjecanjima / *Participation in architectural competitions*
- Međunarodne radionice / *International Workshops*

### OBJAVLJENI RADOVI / PUBLICATIONS:

Arhitektonski projekti / *Architectural Projects*: 118; Urbanistički planovi / *Master Plans*: 1; Sudjelovanje na arhitektonskim natjecanjima / *Participation in Architectural competitions*: 21; Nagrade na arhitektonskim natjecanjima / *Competition Awards*: 17; Nagrade (UHA, Zagrebački salon i sl.) / *Awards*: 6; Nagrade na međunarodnim arhitektonskim natjecanjima / *International Competition Awards*: 5; Međunarodne nagrade / *International Awards*: 2; Arhitektonske realizacije / *Completed Architectural Works*: 10; Izložbe / *Exhibitions*: 28  
Vođenje diplomskih radova / *Mentoring of Diploma thesis*: 85

### NAGRADE I PRIZANJA / AWARDS AND HONORS:

- „Vladimir Nazor“- godišnja nagrada RH za arhitekturu i urbanizam / *annual architecture and urbanism award by the Republic of Croatia (Student residence, Split)*, 2012.
- 47. Zagrebački salon - nagrada za arhitekturu / *award for architecture (Student residence, Split)*, 2012.
- World Architecture Community Award (The Great Egyptian Museum, Cairo), 2008.
- "Drago Galic" - godišnja nagrada UHA-e za stambenu arhitekturu / *annual UHA award for residential building (mixed use building Vicko Millennium)*, 2001.
- 35. Zagrebački salon - nagrada za interijer / *award for interior design (SSM Offices, Split)*, 2000.
- „Bernardo Bernardi“ - godišnja nagrada UHA-e za interijer / *annual UHA award for interior design (SSM offices, Split)*, 1998.
- „Bernardo Bernardi“ - godišnja nagrada UHA-e za interijer / *annual UHA award for interior design (Rent a car agency, Split)*, 1991.

### NAGRADE I PRIZANJA / AWARDS AND HONORS:

- "Drago Galic" - godišnja nagrada UHA-e za stambenu arhitekturu / *annual UHA award for the residential building, ex aquo (residential building reconstruction in Petrova 140)*, 2021., with I. Filipovic
- Mies van der Rohe Award - nominacija / *nomination (kindergarten MB)*, 2009.
- "Piranesi" Velika nagrada / *Grad prix - Piran, Slovenia (Kindergarten MB)*, 2007.
- "Drago Galic" - godišnja nagrada UHA-e za stambenu arhitekturu / *annual UHA award for the residential building (Gracani Housing)*, 2007.
- 41. Zagreb Salon - Velika nagrada / *Grand Prix, ex aequo ("superdalmatia" and "race house")*, 2006.
- 38. Zagreb Salon - Velika nagrada / *Grand Prix, ex aequo ("share.or.die.com" - Nanjing, China)*, 2003.
- 35. Zagreb Salon - nagrada / *award ("Baumaxx Hypermarket")*, 2000.
- "Piranesi" priznanje / *honourable mention - Piran, Slovenia (Baumaxx Hypermarket)*, 2000.
- "Viktor Kovacic" - godišnja nagrada UHA-e / *annual UHA award (Baumaxx Hypermarket)*, 2000.
- 9. Zagreb Salon - priznanje / *honourable mention («Les lieux magiques»)*, 1994.
- "7 sekretara SKOJ-a" nagrada / *award*, 1987.



**Iva Letilović**  
Izvanredna profesorica/  
Associate Professor

**UMJETNIČKO-NASTAVNO PODRUČJE /  
ARTISTIC AND TEACHING AREA:**

- Arhitektonsko projektiranje / *Architectural Design*
- Interijer / *Interior Design*
- Sudjelovanje na arhitektonskim natječajima / *Participation in architectural competitions*

**OBJAVLJENI RADOVI /  
PUBLICATIONS:**

Arhitektonski projekti / *Architectural Projects*: 76; Urbanistički planovi / *Urban Design Projects*: 5; Sudjelovanje na arhitektonskim natječajima / *Participation in Architectural Competitions*: 22; Nagrade na arhitektonskim natječajima / *Competition Awards*: 9; Nagrade i priznanja (UHA, Zagrebački salon i sl.) / *Awards and acknowledgements*: 14; Međunarodne nagrade i priznanja / *International Awards and acknowledgements*: 9; Arhitektonske realizacije / *Completed Architectural Works*: 22; Izložbe / *Exhibitions*: 65; Vođenje diplomskih radova / *Mentoring of Diploma thesis*: 27.

**NAGRADE I PRIZNANJA /  
AWARDS AND HONORS:**

- Mies van der Rohe Award - nominacija / *nomination* (4 kuće za 4 brata / *4 houses for 4 borthers*), 2021.
- "Drago Galic" - godišnja nagrada UHA-e za stambenu arhitekturu / *annual UHA award for the residential building* (4 kuće za 4 brata / *4 houses for 4 borthers*), 2021.
- Mies van der Rohe Award - nominacija / *nomination* (Mali arsenal / *Small Arsenal*, Zadar), 2019.
- BigSEE architecture a/ *5 small houses ward* (Mali arsenal / *Small Arsenal*, Zadar), 2019.
- 53. Zagreb Salon - nominacija za nagradu / *nomination* (Mrijestilište Cromaris / *Cromaris hatchery*, Nin), 2018.
- Bijenalna izložba hrvatskog dizajna 1718 - nominacija za Veliku nagradu / *Grand Prix nomination* (Mali arsenal / *Small Arsenal*, Zadar), 2018
- "Piranesi" - uža selekcija za nagradu / *shortlisted for the award* (Mali arsenal / *Small Arsenal*, Zadar), 2018.
- "Bernarno Bernardi" - godišnja nagrada UHA-e za interijer / *annual award UHA for interior design*, Mali arsenal / *Small Arsenal*, Zadar), 2018.
- Mies van der Rohe\_EU Prize for Contemporary Architecture 2017 - nominacija / *nomination* (kuća za odmor / *vacation house*), Silba
- Big SEE Architectural Award 2016, Ljubljana (kuća za odmor / *vacation house*, Silba)
- "Viktor Kovačić" - nominacija za godišnju nagradu UHA-e / *nomination for annual UHA award* (Mrijestilište Cromaris / *Cromaris hatchery*, Nin), 2015.
- "Drago Galic" - godišnja nagrada UHA-e za stambenu arhitekturu / *annual award UHA for residential building* (kuća za odmor / *vacation house*, Silba), 2015.
- East Centric Triennale Award, Bukurešt (Stalni postav antike / *Permanent exhibition setup of Antiquity*, Zadar), 2016.
- Mies van der Rohe\_EU Prize for Contemporary Architecture 2015 - nominacija / *nomination* (Stalni postav antike

/ *Permanent exhibition setup of Antiquity*, Zadar)

- "Bernarno Bernardi" - nominacija za godišnju nagradu UHA-e za interijer / *nomination for annual award UHA for interior design* (Stalni postav antike / *Permanent exhibition setup of Antiquity*, Zadar), 2014.
- "Bernarno Bernardi" - godišnja nagrada UHA-e za interijer / *annual award UHA for interior design* (Kneževe krljetke, privremene izložbene dvorane - *Rector's birdcages, temporary exhibition spaces*, Zadar), 2011.
- "Drago Galic" - nominacija za godišnju nagradu UHA-e za stambenu arhitekturu / *nomination for annual award UHA for residential building* (5 kućica / *5 small houses*, Silba), 2011.
- graditeljska nagrada Cemex / *The Cemex Building Award* (5 kućica / *5 small houses*, Silba), 2011.
- 41. Zagrebački salon - nagrada / *award* (višestambena zgrada POS-a / *social housing building*, Samobor), 2006.
- «Das Erste Haus», međunarodni natječaj časopisa Bauwelt / *international competition of the magazine Bauwelt* - posebno priznanje / *honourable mention* (višestambena zgrada POS-a / *social housing building*, Krapinske Toplice), 2005.
- "Piranesi 2004." - posebna nagrada / *special award* (višestambena zgrada POS-a / *social housing building*, Samobor)
- "Vladimir Nazor" - godišnja nagrada Ministarstva kulture za arhitekturu / *annual award for architecture by Croatian Ministry of Culture* (višestambena zgrada POS-a / *social housing building*, Krapinske Toplice), 2003.
- "Drago Galic" - godišnja nagrada UHA-e za stambenu arhitekturu / *annual award UHA for residential building* (višestambena zgrada POS-a / *social housing building*, Krapinske Toplice), 2003.
- "Piranesi" - posebno priznanje / *honourable mention* (višestambena zgrada POS-a / *social housing building*, Krapinske Toplice), 2003.



**Toma Plejić**  
Izvanredni profesor /  
Associate professor

**UMJETNIČKO-NASTAVNO PODRUČJE /  
ARTISTIC AND TEACHING AREA:**

- Arhitektonsko projektiranje / *Architectural Design*
- Urbanistički planovi / *Master Plans*
- Interijer / *Interior Design*
- Sudjelovanje na arhitektonskim natječajima / *Participation in architectural competitions*
- Međunarodne radionice / *International Workshops*

**OBJAVLJENI RADOVI /  
PUBLICATIONS:**

Arhitektonski projekti / *Architectural Projects*: 168; Urbanistički planovi / *Urban Design Projects*: 1; Sudjelovanje na arhitektonskim natječajima / *Participation in Architectural Competitions*: 63; Nagrade na arhitektonskim natječajima / *Competition Awards*: 39; Nagrade i priznanja (UHA, Zagrebački salon i sl.) / *Awards and acknowledgements*: 15; Nagrade na međunarodnim arhitektonskim natječajima / *International Competition Awards*: 1; Međunarodne nagrade i priznanja / *International Awards and acknowledgements*: 6; Arhitektonske realizacije / *Completed Architectural Works*: 21; Izložbe / *Exhibitions*: 16; Vođenje diplomskih radova / *Mentoring of Diploma thesis*: 44

**NAGRADE I PRIZNANJA /  
AWARDS AND HONORS:**

- Elle Style nagrada / *award* - za najbolju arhitekturu i dizajn / *for the best architecture and design*, 2020.
- „Bernardo Bernardi“- godišnja nagrada UHA-e za interijer / *annual UHA award for interior design* (Bijeli loft / *White loft*, Zagreb), 2020
- „Arthur“ arhitektura i turizam nagrada / *architecture and tourism award* (Boutique Hostel Forum, Zadar / *Design Hostel Golly±*-

- Bossy, Split), 2014.
- "Piranesi" priznanje / *honourable mention* - Piran, Slovenia (Design Hostel Golly±Bossy, Split), 2000.
- „Bernardo Bernardi“- godišnja nagrada UHA-e za interijer / *annual UHA award for interior design* (Spectator HQ, Zagreb), 2010.
- Cemex međunarodna nagrada za stambene građevine / *The Cemex Building Award for Residential Building* ((P10, Split), 2010.
- "Drago Galic" - godišnja nagrada UHA-e za stambenu arhitekturu / *annual UHA award for the residential building* (P10, Split), 2009.
- Oris nagrada - za sveukupni doprinos hrvatskoj arhitekturi / *Oris Award - Overall Contribution to Croatian Architecture*, 2009.
- Mies van der Rohe - posebno priznanje mladom arhitektu, Europska unija / *Mies van der Rohe Award - Emerging Architect Special Mention, European Union* (GYMNASIUM 46 °09'N/16 °50'E), 2009.
- Cemex međunarodna nagrada za javne i poslovne građevine / *The Cemex Building Award for Public and Business Building* (GYMNASIUM 46 °09'N/16 °50'E), 2008
- „Vladimir Nazor“- godišnja nagrada RH za arhitekturu i urbanizam / *annual architecture and urbanism award by the Republic of Croatia* (GYMNASIUM 46 °09'N/16 °50'E), 2007.
- "Viktor Kovacic" - godišnja nagrada UHA-e / *annual UHA award* (GYMNASIUM 46 °09'N/16 °50'E), 2007.
- Nagrada Grada Koprivnice / *Award of City of Koprivnica* (GYMNASIUM 46 °09'N/16 °50'E), 2007.
- "Piranesi" priznanje / *honourable mention* - Piran, Slovenia (GYMNASIUM 46 °09'N/16 °50'E), 2007.
- 38. Zagreb Salon - Velika nagrada / *Grand Prix, ex aequo* (GYMNASIUM 46 °09'N/16 °50'E), 2003.



**Jakša Kalajžić**  
Docent /  
Assistant profesor

**UMJETNIČKO-NASTAVNO PODRUČJE /  
ARTISTIC AND TEACHING AREA:**

- Arhitektonsko projektiranje / *Architectural Design*
- Interijer / *Interior Design*
- Sudjelovanje na arhitektonskim natječajima / *Participation in architectural competitions*

**OBJAVLJENI RADOVI /  
PUBLICATIONS:**

Arhitektonski projekti / *Architectural Projects*: 3; Sudjelovanje na arhitektonskim natječajima / *Participation in Architectural Competitions*: 18; Nagrade na arhitektonskim natječajima / *Competition Awards*: 6; Nagrade i priznanja (UHA, Zagrebački salon i sl.) / *Awards and acknowledgements*: 2; Nagrade na međunarodnim arhitektonskim natječajima / *International Competition Awards*: 1; Arhitektonske realizacije / *Completed Architectural Works*: 18; Izložbe / *Exhibitions*: 6; Vođenje diplomskih radova / *Mentoring of Diploma thesis*: 2.

**NAGRADE I PRIZNANJA /  
AWARDS AND HONORS:**

- "Viktor Kovacic" - nominacija / *nomination* (Osnovna škola Ivanja reka), 2021.
- Mies van der Rohe Award - nominacija / *nomination* (Osnovna škola Ivanja Reka), 2021.
- "Drago Galic" - nominacija / *nomination* (Obiteljska kuća u Žeževici), 2011.
- BigSEE Architecture Award 2021-nominacija / *nomination* (Osnovna škola Ivanja Reka), 2021.



**Ana Kuzmanić,**  
docentica /  
Assistant profesor

**UMJETNIČKO-NASTAVNO PODRUČJE /  
ARTISTIC AND TEACHING AREA:**

- Crtanje / *Drawing*
- Oblikovanje / *Modelling*
- Sudjelovanje na umjetničkim natjecanjima
- Međunarodne radionice

**OBJAVLJENI RADOVI /  
PUBLICATIONS:**

*Umjetnički Projekti / Art Projects:* 21;  
*Sudjelovanje na umjetničkim natjecanjima /  
Participation in Architectural Competitions:* 6;  
*Izložbe/Exhibitions* 44; *Nagrada i priznanja /  
Awards and acknowledgements* 3;  
*Knjige/Books:* 2;

**NAGRADE I PRIZNANJA /  
AWARDS AND HONORS:**

- "Nagrada Radoslav Putar" godišnja nagrada za najboljeg likovnog umjetnika, 2018.
- "Nagrada Tvoronica- GMK" godišnja nagrada, 2015.
- "ESSL ART AWARD CEE" nominacija 2011.



**Danijel Marasović**  
docent /  
Assistant profesor

**UMJETNIČKO-NASTAVNO PODRUČJE /  
ARTISTIC AND TEACHING AREA:**

- Arhitektonsko projektiranje / *Architectural Design*
- Urbanistički planovi / *Master Plans*
- Interijer / *Interior Design*
- Sudjelovanje na arhitektonskim natjecanjima / *Participation in architectural competitions*
- Međunarodne radionice / *International Workshops*

**OBJAVLJENI RADOVI /  
PUBLICATIONS:**

*Arhitektonski projekti / Architectural Projects:* 30; *Urbanistički planovi / Urban Design Projects:* 1; *Sudjelovanje na arhitektonskim natjecanjima / Participation in Architectural Competitions:* 24; *Nagrade na arhitektonskim natjecanjima / Competition Awards:* 11; *Arhitektonske realizacije / Completed Architectural Works:* 12; *Izložbe / Exhibitions:* 7

**NAGRADE I PRIZNANJA /  
AWARDS AND HONORS:**

- "Drago Galic" - nominacija / *nomination* (ObStambeni objekt 032 / *Housing 032*, Zagreb), 2016. s F. Pochobradsky



**Dr. sc. Sanja Matijević Barčot,**  
Docentica /  
Assistant profesor

**ZNANSTVENO-NASTAVNO PODRUČJE /  
SCIENTIFIC-TEACHING AREA:**

- Teorija i povijest arhitekture / *Theory and history of architecture*

**OBJAVLJENI RADOVI, MENTORSTVA  
I PROJEKTI /**

*Uredničke knjige / Editorial books:* 2;  
*Poglavlja u knjizi / Book chapters:* 2;  
*Znanstveni radovi u časopisima indeksiranim u Wos-u:* 4; *Znanstveni i stručni radovi u zbornicima skupova s recenzijom / Peer reviewed scientific and professional conference papers:* 4; *Komentorstva diplomskih radova / Co-mentoring of Diploma thesis:* 12; *Sudjelovanje na znanstvenim projektima:* 1; *Sudjelovanje na stručnim projektima i strateškim dokumentima / Professional Projects and Strategic Documents:* 14; *Sudjelovanje na Tempus i Erasmus + projektima / Tempus and Erasmus + projects:* 3.



**Dinko Peračić**  
Docent /  
Assistant Professor  
Šef katedre /  
Head of the Chair

**UMJETNIČKO-NASTAVNO PODRUČJE /  
ARTISTIC AND TEACHING AREA:**

- Arhitektonsko projektiranje / *Architectural Design*
- Urbanistički planovi / *Master Plans*
- Interijer / *Interior Design*
- Sudjelovanje na arhitektonskim natjecanjima / *Participation in architectural competitions*
- Međunarodne radionice / *International Workshops*
- Postav izložbi / *Exhibition Design*

**OBJAVLJENI RADOVI /  
PUBLICATIONS:**

*Knjige/Books:* 2; *Arhitektonski projekti / Architectural Projects:* 96; *Urbanistički planovi / Urban Design Projects:* 9; *Sudjelovanje na arhitektonskim natjecanjima / Participation in Architectural Competitions:* 13; *Nagrade na arhitektonskim natjecanjima / Competition Awards:* 6; *Nagrade i priznanja (UHA, Zagrebački salon i sl.) / Awards and acknowledgements:* 12; *Međunarodne nagrade i priznanja / International Awards and acknowledgements:* 4; *Arhitektonske realizacije / Completed Architectural Works:* 16; *Izložbe / Exhibitions:* 18; *Vođenje diplomskih radova / Mentoring of Diploma thesis:* 8

**NAGRADE I PRIZNANJA /  
AWARDS AND HONORS:**

- "Viktor Kovačić" - nominacija za godišnju nagradu UHA-e / *nomination for annual UHA award* (Ribarska luka / *Fishing port Brižine*), 2020.
- Mies van der Rohe Award - nominacija / *nomination* (MMSU Rijeka), 2019.
- BigSEE interior design award (MMSU Rijeka), 2019.
- BigSEE architecture award (Građevinski fakultet / *Faculty of Civil Engineering*, Osijek), 2019.
- BigSEE architecture award (Tržnica i ribarnica / *Harbour market Vodice*), 2018.
- 53. Zagreb Salon – Velika nagrada / *Grand Prix* (MMSU Rijeka + *we need it, we do it*), 2018., s M. Veljačić, S. Tolj, E. Višnić
- „Bernardo Bernardi“- godišnja nagrada UHA-e za interijer / *annual UHA award for*



**Mr. sc. Saša Randić,**  
docent / *Assistant professor*

**UMJETNIČKO-NASTAVNO PODRUČJE /  
ARTISTIC AND TEACHING AREA:**

- Arhitektonsko projektiranje / *Architectural Design*
- Urbanistički planovi / *Master Plans*
- Sudjelovanje na arhitektonskim natjecanjima / *Participation in Architectural Competitions*
- Međunarodne radionice / *International Workshops*

**OBJAVLJENI RADOVI /  
PUBLICATIONS:**

*Arhitektonski projekti / Architectural Projects:* 86; *Sudjelovanje na arhitektonskim natjecanjima / Participation in Architectural Competitions:* 25; *Nagrade na arhitektonskim natjecanjima / Competition Awards:* 12; *Nagrade i priznanja (UHA, Zagrebački salon i sl.) / Awards and acknowledgements:* 2; *Nagrade na međunarodnim arhitektonskim natjecanjima / International Competition Awards:* 2; *Međunarodne nagrade i priznanja / International Awards and*

- interior design* (MMSU Rijeka), 2017.
- Medalja za konceptualni poduhvat Hrvatske komore arhitekata / *Medal for conceptual project from Croatian chamber of architects* (MMSU Rijeka), 2017.
- "Piranesi" nominacija za nagradu / *nomination* - Piran, Slovenia (MMSU Rijeka), 2017.
- Mies van der Rohe Award - nominacija / *nomination* (Tržnica i ribarnica / *Harbour market Vodice*), 2017.
- "Bernardo Bernardi" – nominacija za godišnju nagradu UHA-e za interijer / *nomination for annual award UHA for interior design* (to trebamo, to radimo / *we need it, we do it*, Biennale Venecija), 2016.
- "Viktor Kovačić" - nominacija za godišnju nagradu UHA-e / *nomination for annual UHA award* (Građevinski fakultet / *Faculty of Civil Engineering*, Osijek), 2016.
- Medalja za arhitekturu Hrvatske komore arhitekata / *Medal for architecture from Croatian chamber of architects* (Građevinski fakultet u Osijeku), 2016., s R. Šilje
- The European Prize for Public Space - finalist / *finalist* (Tržnica i ribarnica / *Harbour market Vodice*), 2016.
- 50. Zagreb Salon – nagrada / *award, ex aequo*, (Tržnica i ribarnica / *Harbour market Vodice*), 2015.
- "Piranesi" Velika nagrada / *Grad prix* - Piran, Slovenia (Tržnica i ribarnica / *Harbour market Vodice*), 2015.
- "Viktor Kovačić" - nominacija za godišnju nagradu UHA-e / *nomination for annual UHA award* (Tržnica i ribarnica / *Harbour market Vodice*), 2015.
- 44. Zagreb Salon – nagrada / *award, ex aequo* (revitalizacija Doma mladih u Splitu), 2009., s M. Veljačić
- 1. Nagrada za najbolje arhitektonsko-urbanističko rješenje na natjecanjima provedenim u Zagebu / *Award for the best architecture -urban planning work on competitions in Zagreb*, 2007.
- 41. Zagreb Salon – nagrada / *award, ex aequo* (Građevinski fakultet / *Faculty of Civil Engineering*, Osijek), 2006., s R. Šilje

*acknowledgements:* 1; *Arhitektonske realizacije / Completed Architectural Works:* 32; *Izložbe / Exhibitions:* 4.

**NAGRADE I PRIZNANJA /  
AWARDS AND HONORS:**

- „Vladimir Nazor“- godišnja nagrada RH za arhitekturu i urbanizam / *annual architecture and urbanism award by the Republic of Croatia*, 2006.
- "Piranesi" Velika nagrada / *Grad prix* - Piran, Slovenia, 2005.
- "Viktor Kovacic" - godišnja nagrada UHA-e / *annual UHA award*, 2009.
- "Viktor Kovacic" - godišnja nagrada UHA-e / *annual UHA award*, 2008.
- "Viktor Kovacic" - godišnja nagrada UHA-e / *annual UHA award*, 2004.



**Samantha Pavić**  
Asistentica /  
Teaching Assistant

**ZNANSTVENO-NASTAVNO PODRUČJE /  
SCIENTIFIC-TEACHING AREA:**

- Teorija arhitekture i urbanizma, tehnologija u arhitekturi, napredno arhitektonsko projektiranje / *Theory of architecture and urbanism, Technology in architecture, Advanced architectural design*

**UMJETNIČKO-NASTAVNO PODRUČJE /  
ARTISTIC AND TEACHING AREA:**

- Arhitektonsko projektiranje / *Architectural Design*
- Sudjelovanje na arhitektonskim natjecajima / *Participation in Architectural Competitions*
- Međunarodne radionice / *International Workshops*

**OBJAVLJENI RADOVI /  
PUBLICATIONS:**

Arhitektonski projekti / *Architectural Projects*: 1; Sudjelovanje na arhitektonskim natjecajima / *Participation in Architectural Competitions*: 1

**VANJSKE SURADNICE I SURADNICI KATEDRE  
ASSOCIATE MEMBERS OF THE DEPARTMENT:**



**Ante Kuzmanić,**  
Redoviti profesor /  
*Full professor*  
(Arhitektonski biro Ante  
Kuzmanić d.o.o., Split)

**UMJETNIČKO-NASTAVNO PODRUČJE /  
ARTISTIC AND TEACHING AREA:**

- Arhitektonsko projektiranje / *Architectural Design*
- Urbanistički planovi / *Master Plans*
- Interijer / *Interior Design*
- Sudjelovanje na arhitektonskim natjecajima / *Participation in architectural competitions*
- Međunarodne radionice / *International Workshops*

**OBJAVLJENI RADOVI /  
PUBLICATIONS:**

Knjige/Books: 1; Arhitektonski projekti / *Architectural Projects*: 100; Urbanistički planovi / *Urban Design Projects*: 25; Sudjelovanje na arhitektonskim natjecajima / *Participation in Architectural Competitions*: 60; Nagrade na arhitektonskim natjecajima / *Competition Awards*: 30; Nagrade i priznanja (UHA, Zagrebački salon i sl.) / *Awards and acknowledgements*: 3; Međunarodne nagrade / *International Competition Awards*: 1; Arhitektonske realizacije / *Completed Architectural Works*: 30; Izložbe / *Exhibitions*: 30; Vođenje diplomskih radova / *Mentoring of Diploma thesis*: 30

**NAGRADE I PRIZNANJA /  
AWARDS AND HONORS:**

- „Vladimir Nazor“ – godišnja nagrada RH za arhitekturu i urbanizam / *annual architecture and urbanism award by the Republic of Croatia Culture* (Akvarij i kupališni objekt Bačvice), 1998., s. E. Širolom
- "Viktor Kovačić" – godišnja nagrada UHA-e / *annual UHA award*, (Samostan sestara službenica milosrda u Splitu) 1996.
- 28. Zagreb Salon – nagrada / *award* (Osnovna škola Stobreč), 1994.



**Mr. sc. Emil Šverko**  
Redoviti profesor /  
*Full professor* (Atelier Šverko  
i Šverko d.o.o., Split)

**UMJETNIČKO-NASTAVNO PODRUČJE /  
ARTISTIC AND TEACHING AREA:**

- Arhitektonsko projektiranje / *Architectural Design*
- Urbanistički planovi / *Master Plans*
- Interijer / *Interior Design*
- Sudjelovanje na arhitektonskim natjecajima / *Participation in architectural competitions*
- Međunarodne radionice / *International Workshops*

**OBJAVLJENI RADOVI /  
PUBLICATIONS:**

Arhitektonski projekti / *Architectural Projects*: 186; Urbanistički planovi / *Urban Design Projects*: 10; Sudjelovanje na arhitektonskim natjecajima / *Participation in Architectural Competitions*: 83; Nagrade na arhitektonskim natjecajima / *Competition Awards*: 34; Nagrade i priznanja (UHA, Zagrebački salon i sl.) / *Awards and acknowledgements*: 9; Nagrade na međunarodnim arhitektonskim natjecajima / *International Competition Awards*: 2; Međunarodne nagrade i priznanja / *International Awards and acknowledgements*: 5; Arhitektonske realizacije / *Completed Architectural Works*: 39; Izložbe / *Exhibitions*: 42; Vođenje diplomskih radova / *Mentoring of Diploma thesis*: 9

**NAGRADE I PRIZNANJA /  
AWARDS AND HONORS:**

- „Kamen u arhitekturi“ nagrada / „*Stone in Architecture*“ award
- 47. Zagrebački salon – nagrada za arhitekturu / *award for architecture* (Student residence, Split), 2012., s. N. Kezićem
- „Vladimir Nazor“ – godišnja nagrada RH za arhitekturu i urbanizam / *annual architecture and urbanism award by the Republic of Croatia* (Student residence, Split), 2012., s. N. Kezićem
- Cemex međunarodna nagrada za javne i poslovne građevine / *The Cemex Building Award for Public and Business Building* (Student residence, Split), 2012., s. N. Kezićem
- *World Architecture Community Award*, 2008.
- Omladinski salon – nagrada / *Youth salon - award*



**Vanja Ilić**  
Izvanredna profesorica /  
*Associate professor*  
(Ured ovlaštene arhitektice,  
Zagreb)

**UMJETNIČKO-NASTAVNO PODRUČJE /  
ARTISTIC AND TEACHING AREA:**

- Arhitektonsko projektiranje / *Architectural Design*
- Urbanistički planovi / *Master Plans*
- Interijer / *Interior Design*
- Sudjelovanje na arhitektonskim natjecajima / *Participation in architectural competitions*
- Međunarodne radionice / *International Workshops*
- Postav izložbi/Exhibition Design

**OBJAVLJENI RADOVI /  
PUBLICATIONS:**

Arhitektonski projekti / *Architectural Projects*: 52; Urbanistički planovi / *Urban Design Projects*: 3; Sudjelovanje na arhitektonskim natjecajima / *Participation in Architectural Competitions*: 35; Nagrade na arhitektonskim natjecajima / *Competition Awards*: 16; Nagrade i priznanja (UHA, Zagrebački salon i sl.) / *Awards and acknowledgements*: 13; Međunarodne nagrade i priznanja / *International Awards and acknowledgements*: 5; Arhitektonske realizacije / *Completed Architectural Works*: 21; Izložbe / *Exhibitions*: 45; Vođenje diplomskih radova / *Mentoring of Diploma thesis*: 20

**NAGRADE I PRIZNANJA /  
AWARDS AND HONORS:**

- East Centric Triennale Award, 2013.
- "Viktor Kovacic" – godišnja nagrada UHA-e / *annual UHA award*, 2016.
- „Vladimir Nazor“ – godišnja nagrada RH za arhitekturu i urbanizam / *annual architecture and urbanism award by the Republic of Croatia* 2016.
- "Piranesi" – priznanje / *honourable mention* – Piran, Slovenia, 2016.
- 50. Zagreb Salon – Velika nagrada / *Grand Prix*, 2015.
- East Centric Triennale Award, 2013.
- „Bernardo Bernardi“ – godišnja nagrada UHA-e za interijer / *annual UHA award for interior design*, 2012.
- 47. Zagreb Salon – posebno priznanje / *honorable mention*, 2012.
- 41. Zagreb Salon – nagrada / *award*, ex aequo, 2006.
- „Vladimir Nazor“ – godišnja nagrada RH za arhitekturu i urbanizam / *annual architecture and urbanism award by the Republic of Croatia*, 2005.
- "Piranesi" – priznanje / *honourable mention* – Piran, Slovenia, 2004.
- 34. Zagreb Salon – nagrada / *award*, 1999.





**Nikola Popić**  
izvanredni profesor /  
Associate professor  
(Arhitektonska radionica  
312 d.o.o., Split)

**UMJETNIČKO-NASTAVNO PODRUČJE /  
ARTISTIC AND TEACHING AREA:**

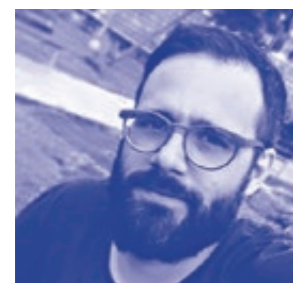
- Arhitektonsko projektiranje / *Architectural Design*
- Urbanistički planovi / *Master Plans*
- Interijer / *Interior Design*
- Sudjelovanje na arhitektonskim natjecanjima / *Participation in architectural competitions*
- Međunarodne radionice / *International Workshops*

**OBJAVLJENI RADOVI /  
PUBLICATIONS:**

Arhitektonski projekti (*odabir*) / *Architectural Projects (selection)*: 30; Urbanističko planiranje (*odabir*) / *Urban Design Projects (selection)*: 21; Sudjelovanje na arhitektonskim natjecanjima / *Participation in Architectural Competitions*: 7; Nagrade na arhitektonskim natjecanjima / *Competition Awards*: 3; Nagrade i priznanja (UHA, Zagrebački salon i sl.) / *Awards and acknowledgements*: 9; Arhitektonske realizacije / *Completed Architectural Works*: 23; Izložbe (*odabir*) / *Exhibitions (selection)*: 15; Vođenje diplomskih radova / *Mentoring of Diploma thesis*: 36

**NAGRADE I PRIZNANJA /  
AWARDS AND HONORS:**

- 50. Zagreb Salon – nagrada / *award*, ex aequo, (groblje Sv.Lucije u Bolu) 2015., s. A. Krstulović
- ECOLA nominacija za nagradu / *nomination for award* (house Kosor in Bol), 2012.
- "Drago Galić" – nominacija za godišnju nagradu UHA-e za stambenu arhitekturu / *nomination for annual UHA award for the residential building*, (house Kosor in Bol), 2010.
- "Drago Galić" – godišnja nagrada UHA-e za stambenu arhitekturu / *annual UHA award for the residential building*, 2005., s D.Ožić-Bašić i Đ.Vujnović
- "Piranesi" – priznanje / *honourable mention* – Piran, Slovenia, 2005., s D.Ožić-Bašić i Đ.Vujnović
- Plaketa Grada Opuzena za postignute uspjehe na području arhitekture te doprinos ugledu Grada Opuzena 2005. / *Plaque of the City of Opuzen for the success in the field of architecture and contribution to the reputation of the City of Opuzen*, 2005.



**Davor Bušnja**  
docent / *Assistant professor* (nonA d.o.o.,  
Dubrovnik; MORE  
arhitekture d.o.o.,  
Zagreb)

**UMJETNIČKO-NASTAVNO PODRUČJE /  
ARTISTIC AND TEACHING AREA:**

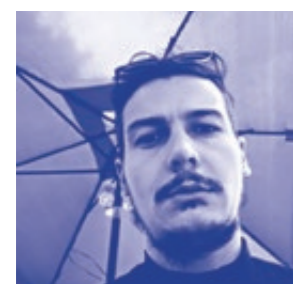
- Arhitektonsko projektiranje / *Architectural Design*
- Interijer / *Interior Design*
- Sudjelovanje na arhitektonskim natjecanjima / *Participation in architectural competitions*

**OBJAVLJENI RADOVI /  
PUBLICATIONS:**

Arhitektonski projekti / *Architectural Projects*: 26; Sudjelovanje na arhitektonskim natjecanjima / *Participation in Architectural Competitions*: 23; Nagrade na arhitektonskim natjecanjima / *Competition Awards*: 9; Nagrade i priznanja (UHA, Zagrebački salon i sl.) / *Awards and acknowledgements*: 2; Međunarodne nagrade i priznanja / *International Awards and acknowledgements*: 5; Arhitektonske realizacije / *Completed Architectural Works*: 16; Izložbe / *Exhibitions*: 11;

**NAGRADE I PRIZNANJA /  
AWARDS AND HONORS:**

- "Piranesi" – selekcija za nagradu / *shortlisted* – Piran, Slovenia, 2019.
- Mies van der Rohe Award – nominacija / *nomination*, 2019.
- "Drago Galić" – nominacija za godišnju nagradu UHA-e za stambenu arhitekturu / *nomination for annual UHA award for the residential building*, 2017.
- Mies van der Rohe Award – selekcija za nagradu / *shortlisted*, 2008.
- "Piranesi" – Velika nagrada / *Grad prix* – Piran, Slovenia (kindergarten Medo Brundo), 2007., s Studio Njirić+Arhitekti
- "Viktor Kovacic" – nominacija za godišnju nagradu UHA-e / *nomination for annual UHA award*, 2007.



**Ivan Jurić**  
docent / *Assistant professor*  
(Arhitektonski biro Ante  
Kuzmanić d.o.o., Split)

**UMJETNIČKO-NASTAVNO PODRUČJE /  
ARTISTIC AND TEACHING AREA:**

- Arhitektonsko projektiranje / *Architectural Design*
- Urbanistički planovi / *Master Plans*
- Sudjelovanje na arhitektonskim natjecanjima / *Participation in architectural competitions*
- Međunarodne radionice / *International Workshops*

**OBJAVLJENI RADOVI /  
PUBLICATIONS:**

Arhitektonski projekti / *Architectural Projects*: 20; Urbanističko planiranje / *Urban Design Projects*: 6; Sudjelovanje na arhitektonskim natjecanjima / *Participation in Architectural Competitions*: 14; Nagrade na arhitektonskim natjecanjima / *Competition Awards*: 12; Nagrade na međunarodnim arhitektonskim natjecanjima / *International Competition Awards*: 1; Arhitektonske realizacije / *Completed Architectural Works*: 3; Izložbe / *Exhibitions*: 9.



**Ana Krstulović**  
docentica / *Assistant professor*  
(KOLEKTIV TRI d.o.o. Split)

**UMJETNIČKO-NASTAVNO PODRUČJE /  
ARTISTIC AND TEACHING AREA:**

- Arhitektonsko projektiranje / *Architectural Design*
- Arhitektonska prezentacija / *Architectural Presentation*
- Sudjelovanje na arhitektonskim natjecanjima / *Participation in architectural competitions*

**OBJAVLJENI RADOVI /  
PUBLICATIONS:**

Arhitektonski projekti / *Architectural Projects*: 31; Urbanističko planiranje / *Urban Design Projects*: 9; Sudjelovanje na arhitektonskim natjecanjima / *Participation in Architectural Competitions*: 5; Nagrade na arhitektonskim natjecanjima / *Competition Awards*: 2; Nagrade i priznanja (UHA, Zagrebački salon i sl.) / *Awards and acknowledgements*: 1; Arhitektonske realizacije / *Completed Architectural Works*: 10; Izložbe / *Exhibitions*: 9.

**NAGRADE I PRIZNANJA /  
AWARDS AND HONORS:**

- 50. Zagreb Salon – nagrada / *award*, ex aequo, (groblje Sv.Lucije u Bolu) 2015., s. A. Krstulović



**Eugen Širola**  
docent / *Assistant professor*  
(Split)

**UMJETNIČKO-NASTAVNO PODRUČJE /  
ARTISTIC AND TEACHING AREA:**

- Arhitektonsko projektiranje / *Architectural Design*
- Urbanistički planovi / *Master Plans*
- Sudjelovanje na arhitektonskim natjecanjima / *Participation in architectural competitions*

**OBJAVLJENI RADOVI /  
PUBLICATIONS:**

Arhitektonski projekti / *Architectural Projects*: 30; Urbanistički planovi / *Urban Design Projects*: 3; Sudjelovanje na arhitektonskim natjecanjima / *Participation in Architectural Competitions*: 10; Nagrade na arhitektonskim natjecanjima / *Competition Awards*: 5; Nagrade i priznanja (UHA, Zagrebački salon i sl.) / *Awards and acknowledgements*: 4; Međunarodne nagrade i priznanja / *International Awards and acknowledgements*: 0; Arhitektonske realizacije / *Completed Architectural Works*: 10; Izložbe / *Exhibitions*: 5.

**NAGRADE I PRIZNANJA /  
AWARDS AND HONORS:**

- „Vladimir Nazor“- godišnja nagrada RH za arhitekturu i urbanizam / *annual architecture and urbanism award by the Republic of Croatia* (Akvarij i kupališni objekt Bačvice), 1998., s A.Kuzmanićem,



**Maja Furlan Zimmermann**  
predavačica / *lecturer*  
(x3m d.o.o., Zagreb)

**UMJETNIČKO-NASTAVNO PODRUČJE /  
ARTISTIC AND TEACHING AREA:**

- Arhitektonsko projektiranje / *Architectural Design*

**OBJAVLJENI RADOVI /  
PUBLICATIONS:**

Arhitektonski projekti / *Architectural Projects*: 44; Urbanistički planovi / *Urban Design Projects*: 15; Sudjelovanje na arhitektonskim natjecanjima / *Participation in Architectural Competitions*: 55; Nagrade na arhitektonskim natjecanjima / *Competition Awards*: 32; Nagrade i priznanja (UHA, Zagrebački salon i sl.) / *Awards and acknowledgements*: 2; Međunarodne nagrade i priznanja / *International Awards and acknowledgements*: 1; Arhitektonske realizacije / *Completed Architectural Works*: 15; Izložbe / *Exhibitions*: 21.

**NAGRADE I PRIZNANJA /  
AWARDS AND HONORS:**

- „Vladimir Nazor“- godišnja nagrada RH za arhitekturu i urbanizam / *annual architecture and urbanism award by the Republic of Croatia* (Osnovna škola Žnjan – Pazdigrad), 2018., s / *with* M. Bošnjak, M. Buvinić
- "Viktor Kovacic" – godišnja nagrada UHA-e / *annual UHA award* (Osnovna škola Žnjan – Pazdigrad), 2018., s / *with* M. Bošnjak, M. Buvinić
- Cemex međunarodna nagrada za javne i poslovne građevine / *International Cemex Building Award 2018 for Public and Business Building* (Studentsko stanovanje u Sveučilišnom kampusu na Trsatu), 2018., s / *with* M. Bošnjak, M. Buvinić
- 22. salon arhitekture Novi Sad – priznanje / *The 22nd Salon of Architecture Novi Sad – honorable mention*, (Osnovna škola Žnjan – Pazdigrad), 2020., s / *with* M. Bošnjak, M. Buvinić



**Jure Bešlić**  
Assistant (Split)

**UMJETNIČKO-NASTAVNO PODRUČJE /**

**ARTISTIC AND TEACHING AREA:**

- Arhitektonsko projektiranje / *Architectural Design*
- Urbanistički planovi / *Master Plans*
- Sudjelovanje na arhitektonskim natjecanjima / *Participation in architectural competitions*
- Međunarodne radionice / *International Workshops*

**OBJAVLJENI RADOVI /**

**PUBLICATIONS:**

Arhitektonski projekti / *Architectural Projects*: 18; Urbanističko planiranje / *Urban Design Projects*: 6; Sudjelovanje na arhitektonskim natjecanjima / *Participation in Architectural Competitions*: 8; Nagrade na arhitektonskim natjecanjima / *Competition Awards*: 2; Nagrade na međunarodnim arhitektonskim natjecanjima / *International Competition Awards*: 1; Arhitektonske realizacije / *Completed Architectural Works*: 3.



**Domagoj Bolanča**  
naslovni asistent / Assistant  
(Studio Arbol j.d.o.o. Split)

**UMJETNIČKO-NASTAVNO PODRUČJE /**

**ARTISTIC AND TEACHING AREA:**

- Arhitektonsko projektiranje / *Architectural Design*
- Arhitektonska prezentacija / *Architectural Presentation*
- Sudjelovanje na arhitektonskim natjecanjima / *Participation in architectural competitions*
- Međunarodne radionice / *International Workshops*

**OBJAVLJENI RADOVI /**

**PUBLICATIONS:**

Arhitektonski projekti / *Architectural Projects*: 20; Urbanističko planiranje / *Urban Design Projects*: 3; Sudjelovanje na arhitektonskim natjecanjima / *Participation in Architectural Competitions*: 10; Nagrade na arhitektonskim natjecanjima / *Competition Awards*: 2; Arhitektonske realizacije / *Completed Architectural Works*: 2.



**Marko Borota**  
naslovni asistent / Assistant  
(404 Agency, Split)

**UMJETNIČKO-NASTAVNO PODRUČJE /**

**ARTISTIC AND TEACHING AREA:**

- Oblikovanje / *Modelling*
- Sudjelovanje na umjetničkim natjecanjima
- Međunarodne radionice

**NAGRADE I PRIZNANJA /**

**AWARDS AND HONORS:**

- 2013. / Jedna od tri jednakovrijedne nagrade / grupni projekt Bez Naziva – socijalno angažirana multidisciplinarna instalacija / 38. Splitski salon



**Dora Čičmir Vestić**  
naslovna asistentica / Assistant  
(Arhitektonska radionica 312  
d.o.o., Split)

**UMJETNIČKO-NASTAVNO PODRUČJE /**

**ARTISTIC AND TEACHING AREA:**

- Arhitektonsko projektiranje / *Architectural Design*
- Urbanistički planovi / *Master Plans*
- Arhitektonska prezentacija / *Architectural Presentation*
- Oblikovanje / *Modelling*
- Međunarodne radionice / *International Workshops*

**OBJAVLJENI RADOVI /**

**PUBLICATIONS:**

Arhitektonski projekti / *Architectural Projects*: 10; Urbanistički planovi / *Urban Design Projects*: 1; Sudjelovanje na arhitektonskim natjecanjima / *Participation in Architectural Competitions*: 1; Izložbe / *Exhibitions*: 1.



**Tonči Čerina**  
naslovni asistent / Assistant  
(rothcerina Zagreb)

**UMJETNIČKO-NASTAVNO PODRUČJE /**

**ARTISTIC AND TEACHING AREA:**

- Arhitektonsko projektiranje / *Architectural Design*
- Urbanistički planovi / *Master Plans*
- Interijer / *Interior Design*
- Sudjelovanje na arhitektonskim natjecanjima / *Participation in architectural competitions*
- Međunarodne radionice / *International Workshops*

**OBJAVLJENI RADOVI /**

**PUBLICATIONS:**

Arhitektonski projekti / *Architectural Projects*: 55; Urbanistički planovi / *Urban Design Projects*: 3; Sudjelovanje na arhitektonskim natjecanjima / *Participation in Architectural Competitions*: 50; Nagrade na arhitektonskim natjecanjima / *Competition Awards*: 22; Nagrade i priznanja (UHA, Zagrebački salon i sl.) / *Awards and acknowledgements*: 2; Međunarodne nagrade i priznanja / *International Awards and acknowledgements*: 2; Arhitektonske realizacije / *Completed Architectural Works*: 15; Izložbe / *Exhibitions*: 25.

**NAGRADE I PRIZNANJA /**

**AWARDS AND HONORS:**

- 22. Salon arhitekture u Novom Sadu – Grand Prix (OŠ Zorka Sever u Popovači), 2020., s M.Roth
- "Viktor Kovačić" – godišnja nagrada UHA-e / *annual UHA award*, (OŠ Zorka Sever u Popovači), 2019., s M.Roth
- Mies van der Rohe Award – nominacija / *nomination*, (OŠ Zorka Sever u Popovači), 2019., s M.Roth
- BigSEE architecture award, (Kuća na Rabu), 2019., s M.Roth
- BigSEE architecture award, (OŠ Zorka Sever u Popovači), 2019., s M.Roth



**Krešimir Damjanović**  
naslovni asistent / Assistant  
(Marinaprojekt d.o.o., Zadar)

**UMJETNIČKO-NASTAVNO PODRUČJE /**

**ARTISTIC AND TEACHING AREA:**

- Arhitektonsko projektiranje / *Architectural Design*
- Urbanistički planovi / *Master Plans*
- Interijer / *Interior Design*
- Sudjelovanje na arhitektonskim natjecanjima / *Participation in architectural competitions*
- Međunarodne radionice / *International Workshops*

**OBJAVLJENI RADOVI /**

**PUBLICATIONS:**

Arhitektonski projekti / *Architectural Projects*: 10; Urbanistički planovi / *Urban Design Projects*: 2; Sudjelovanje na arhitektonskim natjecanjima / *Participation in Architectural Competitions*: 8; Nagrade na arhitektonskim natjecanjima / *Competition Awards*: 3; Nagrade i priznanja (UHA, Zagrebački salon i sl.) / *Awards and acknowledgements*: 1; Međunarodne nagrade i priznanja / *International Awards and acknowledgements*: 2; Arhitektonske realizacije / *Completed Architectural Works*: 1; Izložbe / *Exhibitions*: 8.

**NAGRADE I PRIZNANJA /**

**AWARDS AND HONORS**

- Shinkenchiku architectural competition, 2017.



**Branka Juras**  
naslovna asistentica / Assistant  
(Ured Branka Juras d.o.o., Split)

**UMJETNIČKO-NASTAVNO PODRUČJE /**

**ARTISTIC AND TEACHING AREA:**

- Arhitektonsko projektiranje / *Architectural Design*
- Arhitektonska prezentacija / *Architectural Presentation*
- Interijer / *Interior Design*
- Sudjelovanje na arhitektonskim natjecanjima / *Participation in architectural competitions*

**OBJAVLJENI RADOVI /**

**PUBLICATIONS:**

Arhitektonski projekti / *Architectural Projects*: 86; Sudjelovanje na arhitektonskim natjecanjima / *Participation in Architectural Competitions*: 25; Nagrade na arhitektonskim natjecanjima / *Competition Awards*: 12; Nagrade i priznanja (UHA, Zagrebački salon i sl.) /

*Awards and acknowledgements*: 2; Nagrade na međunarodnim arhitektonskim natjecanjima / *International Competition Awards*: 2; Međunarodne nagrade i priznanja / *International Awards and acknowledgements*: 1; Arhitektonske realizacije / *Completed Architectural Works*: 32; Izložbe / *Exhibitions*: 4;

**NAGRADE I PRIZNANJA /**

**AWARDS AND HONORS:**

- BigSEE nagrada za stambenu arhitekturu / *residential architecture award*, (Kuća Jerini), 2019.
- Cemex nagrada za stambene građevine / *The Cemex Building Award for Residential Building* (Kuća Jerini) 2019.



**Bruna Lukšić**  
naslovna asistentica / Assistant  
(Lukšić d.o.o. Split)

**UMJETNIČKO-NASTAVNO PODRUČJE /**

**ARTISTIC AND TEACHING AREA:**

- Arhitektonsko projektiranje / *Architectural Design*
- Arhitektonska prezentacija / *Architectural Presentation*
- Interijer / *Interior Design*

**OBJAVLJENI RADOVI /**

**PUBLICATIONS:**

Arhitektonski projekti / *Architectural Projects*: 8; Sudjelovanje na arhitektonskim natječajima / *Participation in Architectural Competitions*: 5; Arhitektonske realizacije / *Completed Architectural Works*: 2; Izložbe / *Exhibitions*: 1.



**Marin Petković**  
naslovni asistent / Assistant (Split)

**UMJETNIČKO-NASTAVNO PODRUČJE /**

**ARTISTIC AND TEACHING AREA:**

- Arhitektonsko projektiranje / *Architectural Design*



**Samuel Martin**  
naslovni asistent / Assistant  
(mig arhitekti d.o.o., Split)

**UMJETNIČKO-NASTAVNO PODRUČJE /**

**ARTISTIC AND TEACHING AREA:**

- Arhitektonsko projektiranje / *Architectural Design*
- Urbanistički planovi / *Master Plans*
- Interijer / *Interior Design*
- Sudjelovanje na arhitektonskim natječajima / *Participation in architectural competitions*
- Međunarodne radionice / *International Workshops*

**OBJAVLJENI RADOVI /**

**PUBLICATIONS:**

Arhitektonski projekti / *Architectural Projects*: 130; Urbanistički planovi / *Urban Design Projects*: 3; Sudjelovanje na arhitektonskim natječajima / *Participation in Architectural Competitions*: 20; Nagrade na arhitektonskim natječajima / *Competition Awards*: 5; Arhitektonske realizacije / *Completed Architectural Works*: 35.



**Goran Radošević**  
naslovni asistent / Assistant (Split)

**UMJETNIČKO-NASTAVNO PODRUČJE /**

**ARTISTIC AND TEACHING AREA:**

- Crtanje / *Drawing*
- Oblikovanje / *Modelling*
- Arhitektonska prezentacija / *Architectural presentation*
- Dizajn / *Design*



**Marin Mikelić**  
naslovni asistent / Assistant  
(Mikelić Vreš Arhitekti d.o.o., Zagreb)

**UMJETNIČKO-NASTAVNO PODRUČJE /**

**ARTISTIC AND TEACHING AREA:**

- Arhitektonsko projektiranje / *Architectural Design*

**OBJAVLJENI RADOVI /**

**PUBLICATIONS:**

Arhitektonski projekti / *Architectural Projects*: 76; Urbanistički planovi / *Urban Design Projects*: 2; Sudjelovanje na arhitektonskim natječajima / *Participation in Architectural Competitions*: 30; Nagrade na arhitektonskim natječajima / *Competition Awards*: 22; Nagrade i priznanja (UHA, Zagrebački salon i sl.) / *Awards and acknowledgements*: 9; Međunarodne nagrade i priznanja / *International Awards and acknowledgements*: 2; Arhitektonske realizacije / *Completed Architectural Works*: 14; Izložbe / *Exhibitions*: 10.

**NAGRADE I PRIZNANJA /**

**AWARDS AND HONORS:**

- "Drago Galić" - nominacija za godišnju nagradu UHA-e za stambenu arhitekturu / *nomination for annual UHA award for the residential building*, (kuća dvorište), 2021., s T.Vreš i M. Barović,

- Balkan Architecture Biennale - 2 nagrada / *2nd Award*, (Društveno-kulturni centar re-Generator, Zabok), 2019., s T.Vreš,
- Brick Award SEE, (Kuća S, Krapinske Toplice), 2015., s. T.Vreš,
- Mies van der Rohe Award - nominacija / *nomination*, (Stancia Hustria Aromatica, Bale), 2015., s T.Vreš i H.Vidović,
- "Viktor Kovačić" - nominacija za godišnju nagradu UHA-e / *nomination for annual UHA award*, (Stancia Hustria Aromatica, Bale), 2014., T.Vreš i H.Vidović,
- "Drago Galić" - godišnja nagrada UHA-e za stambenu arhitekturu / *annual UHA award for the residential building*, (Kuća V2), 2013., sa S. Begović, T. Grozdanić Begović, M. Dabrović, S.Novak i I.Mažer,
- "Viktor Kovačić" - godišnja nagrada UHA-e / *annual UHA award*, (Hotel Well, Terme Tuhelj), 2012., T.Vreš,
- 47. Zagreb Salon – posebno priznanje / *special acknowledgement*, Hotel Well, Terme Tuhelj), 2012., T.Vreš,
- "Drago Galić" - godišnja nagrada UHA-e za stambenu arhitekturu / *annual UHA award for the residential building*, (Kuća J2), 2008., sa S. Begović, T. Grozdanić Begović, M. Dabrović, S.Novak i R.Ilić.



**Zrinka Visković**  
naslovna asistentica / Assistant  
(Visković-Visković arhitekti d.o.o., Split)

**UMJETNIČKO-NASTAVNO PODRUČJE /**

**ARTISTIC AND TEACHING AREA:**

- Arhitektonsko projektiranje / *Architectural Design*
- Interijer / *Interior Design*

# TEORIJA I POVIJEST ARHITEKTURE I UMJETNOSTI / THEORY AND HISTORY OF ARCHITECTURE AND ART

## PREDMETI KOJE ODRŽAVA KATEDRA COURSES TAUGHT BY DEPARTMENT:

### PREDDIPLOMSKI STUDIJ ARHITEKTURE UNDERGRADUATE STUDY OF ARCHITECTURE

- Povijest arhitekture i umjetnosti 1 / History of Architecture and Art 1
- Povijest arhitekture i umjetnosti 2 / History of Architecture and Art 2
- Povijest arhitekture i umjetnosti 3 / History of Architecture and Art 3
- Povijest urbane forme / History of Urban Form
- Moderna arhitektura / Modern Architecture
- Moderni urbanizam / Modern Urbanism

### DIPLOMSKI STUDIJ ARHITEKTURE GRADUATE STUDY OF ARCHITECTURE

- Hrvatska arhitektura XX. stoljeća / Croatian Architecture of the XXth Century
- Suvremena arhitektura / Contemporary Architecture
- Teorija arhitekture / Theory of Architecture

## PODRUČJE UMJETNIČKOG I STRUČNOG RADA THE AREA OF ARTISTIC AND PROFESSIONAL WORK:

- Teorija i povijest arhitekture i umjetnosti / Theory and history of architecture and art



**Dr. sc. Snježana Perojević**  
Docent/Assistant Professor  
Šef katedre / Head of the Chair



**Dr. sc. Dunja Babić,**  
predavač / Lecturer



**Dr. sc. Robert Plejić,**  
izvanredni profesor / Associate  
Professor

## ZNANSTVENO-NASTAVNO PODRUČJE / SCIENTIFIC-TEACHING AREA:

- Teorija i povijest urbanizma, arhitekture i umjetnosti / Theory and History of Urbanism, Architecture and Art
- Istraživanje i obnova graditeljskog naslijeđa / Research and Rehabilitation of Architectural Heritage
- Graditeljsko naslijeđe i održivost / Architectural Heritage and Sustainability

## ZNANSTVENO-NASTAVNO PODRUČJE / SCIENTIFIC-TEACHING AREA:

- Teorija i povijest arhitekture i umjetnosti / Theory and History of Architecture and Art
- Zaštita, upravljanje i održivi razvoj povijesnih središta / Protection, Management and Sustainable Development of Historical Centres
- Problematika turizma u povijesnim sredinama, kulturni i održivi turizam / Issues of Tourism in Historical Communities, Cultural and Sustainable Tourism

## ZNANSTVENO-NASTAVNO PODRUČJE / SCIENTIFIC-TEACHING AREA:

- Teorija suvremene arhitekture / Theory of Contemporary Architecture
- Moderna hrvatska arhitektura (20. stoljeće) / Modern Croatian architecture (20th Century)

## OBJAVLJENI RADOVI / PUBLICATIONS:

Knjige / Books: 1; Poglavlja u knjizi / Book chapters: 6; Znanstveni radovi u časopisima / Scientific papers in journals: 2; Znanstveni i stručni radovi u zbornicima skupova s recenzijom / Peer reviewed scientific and professional conference papers: 4  
Arhitektonski projekti / Architectural design projects: 42; Urbanistički planovi / Town planning documents: 3; Sudjelovanje na arhitektonskim natječajima / Architectural competitions: 16; Nagrade na arhitektonskim natječajima / Architectural competitions awards: 6; Arhitektonske realizacije / Construction completed: 36; Izložbe / Exhibitions: 5

## OBJAVLJENI RADOVI / PUBLICATIONS:

Poglavlja u knjizi / Book chapters: 6; Radovi u časopisima / Papers in journals: 10; Radovi u zbornicima skupova s recenzijom / Peer reviewed scientific and professional conference papers: 10; Vođenje diplomskih radova / Mentoring of Diploma thesis: 26; Arhitektonske realizacije / Construction completed: 8

## OBJAVLJENI RADOVI / PUBLICATIONS:

Znanstveni i stručni radovi / Scientific and professional papers: 12 ; Poglavlja u knjizi / Book chapters: 1

## NAGRADE I PRIZNANJA / AWARDS AND HONORS

Sudjelovanje na INTERREG projektu „STORE4HUC\_ -European project on renewables and energy storage - Historical city centres in Austria, Croatia, Italy and Slovenia“

## NAGRADE I PRIZNANJA / AWARDS AND HONORS

Redoviti član Akademije arhitektonske umjetnosti i znanosti Hrvatske od 2019. / Regular member of Croatian Academy of Engineering since 2019



Ivo Babić  
Professor Emeritus

**ZNANSTVENO-NASTAVNO PODRUČJE /  
SCIENTIFIC-TEACHING AREA:**

- Teorija i povijest arhitekture i umjetnosti /  
Theory and History of Architecture and Art

**OBJAVLJENI RADOVI /  
PUBLICATIONS:**

Knjige / Books: 15; Poglavlja u knjizi / Book  
chapters: 29; Znanstveni radovi u časopisima  
i znanstveni i stručni radovi u zbornicima  
skupova s recenzijom / Scientific papers in  
journals and peer reviewed scientific and  
professional conference papers: 77; Vođenje  
disertacija i magistarskih radova / Mentoring  
on Doctoral and Master thesis: 6; Vođenje  
diplomskih radova / Mentoring of Diploma  
thesis: 34

**NAGRADE I PRIZNANJA /  
AWARDS AND HONORS**

- Officier des Palmes Académiques, 2002.  
Odličje francuske vlade /  
Medal from French Government
- Nagrada Grada Trogira 1978. /  
Award of the City of Trogir, 1978.
- Nagrada Grada Trogira 1985. /  
Award of the City of Trogir, 1985.
- Nagrada Grada Splita 1985. /  
Award of the City of Split, 1985
- Nagrada Društva povjesničara umjetnosti  
Hrvatske 'Radovan Ivančević' za životno  
djelo, 2019. / Croatian Society of Art  
Historians lifetime achievement award  
"Radovan Ivančević", 2019
- Priznanje Sveučilišta u Splitu za dugogodišnji  
rad i doprinos rastu i razvoju Sveučilišta,  
2019. / University of Split award for longtime  
work and contribution in growth and  
development of the University
- Dodjela počasnog zvanja professor emeritus,  
2021. / Elected as Professor Emeritus, 2021



# KATEDRA ZA URBANIZAM / DEPARTMENT FOR URBAN PLANNING

## PREDMETI KOJE ODRŽAVA KATEDRA COURSES TAUGHT BY DEPARTMENT

### Preddiplomski studij arhitekture *Undergraduate Study of Architecture*

- Povijest urbane forme / History of Urban Form
- Osnove urbanizma / Introduction to Urban Planning
- Urbanizam 1 / Urban Planning Workshop 1
- Urbanizam 2 / Urban Planning Workshop 2
- Moderni urbanizam / Modern Urbanism

### Diplomski studij arhitekture *Graduate Study of Architecture*

- Istraživanje u urbanističkom planiranju / Research in Urban Planning
- Prostorno planiranje 1 / Spatial Planinig 1
- Urbani dizajn / Urban Design
- Prostorno planiranje 2 / Spatial Planinig 2
- Diplomski studio 3 / Diploma Studio 3
- Urboekonomija / Urban Economy
- Socio-urbana istraživanja prostora / Sociology of urban environment
- Integralna zaštita prostora / Integral Spatial Protection
- Međunarodna urbanističko-arhitektonska radionica / International Workshop
- Složeni urbanističko-arhitektonski sklopovi / Makrourbanistic Complexes

## DIPLOMSKI STUDIJ GRAĐEVINARSTVA GRADUATE STUDY OF CIVIL ENGINEERING

- Gospodarenje prostorom / Urban Management

## STRUČNI STUDIJ GRAĐEVINARSTVA PROFESSIONAL STUDY OF CIVIL ENGINEERING

- Gospodarenje prostorom / Urban Management

## PODRUČJE ZNANSTVENO-ISTRAŽIVAČKOG RADA AREA OF SCIENTIFIC RESEARCH

- Fenomenologija urbaniteta / Urban Phenomenons
- Analize generatora rasta grada / Analyses of Urban Growth
- Regeneracija / Regeneration
- Integrirano obalno planiranje / Integrated Coastal Zone Management
- Integrirano urbano planiranje za kvalitetniju sredinu / Integrating City Planning and Environmental Improvement

## PODRUČJE UMJETNIČKOG I STRUČNOG RADA THE AREA OF ARTISTIC AND PROFESSIONAL WORK

- Izrada urbanističke dokumentacije / Urban Projects
- Izrada dokumenata prostornog uređenja (urbanističko planiranje) / Development of zoning documentation (Urban planning)
- Arhitektonsko projektiranje / Architectural design
- Sudjelovanje na arhitektonskim i urbanističkim natjecanjima / Participation in Architectural and Urban Competitions
- Sudjelovanje na strukovnim izložbama / Participation in Professional Exhibitions
- Međunarodne radionice / International Workshops

## ČLANICE I ČLANOVI KATEDRE MEMBERS OF THE DEPARTMENT:



**Dario Gabrić,**  
Redoviti profesor (trajno zvanje) /  
Full Professor (Tenure)  
Šef katedre / Head of the Chair



**Dr.sc. Ana Grgić, dipl.ing.arh.**  
Docentica / Assistant Professor

### UMJETNIČKO-NASTAVNO PODRUČJE / ARTISTIC AND TEACHING AREA:

- Arhitektonsko projektiranje / Architectural Design
- Urbanistički planovi / Master Plans
- Sudjelovanje na arhitektonskim natjecanjima / Participation in Architectural Competitions
- Međunarodne radionice / International Workshops

### OBJAVLJENI RADOVI / PUBLICATIONS:

Arhitektonski projekti: 210; Urbanistički planovi: 5; Sudjelovanje na arhitektonskim natjecanjima: 80; Nagrade na arhitektonskim natjecanjima: 37; Nagrade na međunarodnim arhitektonskim natjecanjima: 1; Arhitektonske realizacije: 27; Izložbe: 5  
Vođenje diplomskih radova / Mentoring of Diploma thesis: 28

### ZNANSTVENO, UMJETNIČKO I NASTAVNO PODRUČJE / SCIENTIFIC, ARTISTIC AND TEACHING AREA:

- Urbanističko i prostorno planiranje / Urban and Spatial/Regional Planning
- Teorija urbanističkog i prostornog planiranja / Urban and Spatial Planning Theory
- Arhitektura i urbanizam 20. stoljeća / 20th Century Architecture and Urban Planning
- Međunarodne radionice / International Workshops

### OBJAVLJENI RADOVI / PUBLICATIONS:

Poglavlja u knjizi / Book Chapters: 5; Znanstveni radovi u časopisima indeksiranim od baza A&HCI, WoS / Scientific Papers in Journals indexed in A&HCI, WoS: 2; Znanstveni radovi u ostalim časopisima / Scientific Papers in Other Journals: 3; Znanstveni i stručni radovi u zbornicima skupova s recenzijom / Peer Reviewed Scientific and Professional Conference Papers: 6; Komentorstvo diplomskih radova / Co-Mentoring of Thesis: 10; Arhitektonski projekti / Architectural Projects: 30; Sudjelovanje na arhitektonskim natjecanjima / Participation in Architectural Competitions: 13; Nagrade na arhitektonskim natjecanjima / Competition Awards: 5; Arhitektonske realizacije / Completed Architectural Works: 17; Stručni projekti i strateški dokumenti / Professional Projects and Strategic Documents: 5; Tempus i Erasmus + projekti / Tempus and Erasmus + projects: 2

### NAGRADE I PRIZNANJA / AWARDS AND HONORS:

Posebno priznanje Ministarstva za javne radove, obnovu i graditeljstvo za poseban doprinos u realizaciji Programa društveno poticane stanogradnje / Special Award for development of Social Housing Program MJROG, 2003.

### VODITELJSTVO I / ILI SUDJELOVANJE NA AKTUALNIM ISTRAŽIVAČKIM PROJEKTIMA PROJECT COORDINATOR AND/OR RESEARCHER ON CURRENT RESEARC PROJECTS

Arhitektura Splita u 20. stoljeću; naručitelj: MZOS RH / 20th Architecture of the city of Split; financed by the Ministry of Science, Education and Sports of the R. of Croatia (istraživač / researcher)doprinos u realizaciji Programa društveno poticane stanogradnje / Special Award for development of Social Housing Program MJROG, 2003.



**Dr.sc. Hrvoje Bartulović,**  
dipl.ing.arh.  
Docent / Assistant Professor

**ZNANSTVENO, UMJETNIČKO I NASTAVNO PODRUČJE / SCIENTIFIC, ARTISTIC AND TEACHING AREA:**

- Suvremena arhitektura / Contemporary architecture
- Urbanističko i prostorno planiranje / Urban and Spatial/Regional Planning
- Teorija urbanističkog i prostornog planiranja / Urban and Spatial Planning Theory
- Arhitektura i urbanizam 20. stoljeća / 20th Century Architecture and Urban Planning
- Međunarodne radionice / International Workshops

**OBJAVLJENI RADOVI / PUBLICATIONS:**

Poglavlja u knjizi / Book chapters: 1  
Umjetničko- nastavno područje:  
Arhitektonsko projektiranje / Architectural design; Arhitektonski projekti / Architectural design projects: 3; Sudjelovanje na arhitektonskim natječajima / Architectural competitions: 14; Nagrade na arhitektonskim natječajima / Architectural competitions awards: 6; Arhitektonske realizacije / Construction completed: 2

**VODITELJSTVO I / ILI SUDJELOVANJE NA AKTUALNIM ISTRAŽIVAČKIM PROJEKTIMA PROJECT COORDINATOR AND/OR RESEARCHER ON CURRENT RESEARC PROJECTS**

Arhitektura Splita u 20. stoljeću; naručitelj: MZOS RH / 20th Architecture of the city of Split; financed by the Ministry of Science, Education and Sports of the R. of Croatia (istraživač / researcher)

**NAGRADE I PRIZNANJA / AWARDS AND HONORS:**

- Graham Foundation for advanced Studies in the Fine arts, Fond za organizacije, za istraživački projekt 'Architecture of Appropriation', Het Nieuwe Instituut, Nizozemska, 2017
- la Caixa Foundation Fellowship, InPhINT, Stipendija za doktorske studije u centrima akademске izvrsnosti, predselektiran, 2018

**VODITELJSTVO I / ILI SUDJELOVANJE NA AKTUALNIM ISTRAŽIVAČKIM PROJEKTIMA PROJECT COORDINATOR AND/OR RESEARCHER ON CURRENT RESEARC PROJECTS**

SEA-EU Observatory for Migration and Human Rights, voditeljica radne skupine



**Jere Kuzmanić,**  
Asistent / Assistant

**ZNANSTVENO-NASTAVNO PODRUČJE / SCIENTIFIC-TEACHING AREA:**

- Urbanističko i prostorno planiranje / Urban and Spatial/Regional Planning
- Teorija urbanističkog i prostornog planiranja / Urban and Spatial Planning Theory

**OBJAVLJENI RADOVI / PUBLICATIONS:**

Poglavlja u knjizi / Book chapters: 1  
Stručni radovi / Expertal publications: 7  
Ostali objavljeni radovi / Other publications: 2  
Istraživački projekti: / Research projects: 1  
Znanstveno - nastavno područje:  
Međunarodne akademske konferencije / International academic conferences: 5  
Ostali skupovi i izlaganja / Other conferences and public lectures: 10  
Sudjelovanje na arhitektonskim natječajima / Architectural competitions: 3;  
Nagrade na arhitektonskim natječajima / Architectural competitions awards: 1

**ZNANSTVENO I NASTAVNO PODRUČJE / SCIENTIFIC AND TEACHING AREA:**

- Sociologija / Sociology
- Sociologija prostora / Sociology of space

**OBJAVLJENI RADOVI / PUBLICATIONS:**

Znanstvena monografija / Scientific Monograph: 1; Poglavlja u knjizi / Book Chapters: 6; Znanstveni radovi u časopisima indeksiranim od baza A&HCI, WoS / Scientific Papers in Journals indexed in A&HCI, WoS: 3; Znanstveni radovi u ostalim časopisima / Scientific Papers in Other Journals: 14; Znanstveni i stručni radovi u zbornicima skupova s recenzijom / Peer Reviewed Scientific and Professional Conference Papers: 8; Komentorstvo diplomskih radova / Co-Mentoring of Thesis: 10;



**Dr.sc. Sanja Stanić,**  
redoviti profesor / Full professor



**Dr. sc. Silvia Golem,**  
Izvanredna profesorica / Associate Professor

**ZNANSTVENO I NASTAVNO PODRUČJE / SCIENTIFIC AND TEACHING AREA:**

- Ekonomija javnog sektora / Public sector economics
- Urbana ekonomika / Urban economics

**OBJAVLJENI RADOVI / PUBLICATIONS:**

Poglavlja u knjizi / Book Chapters: 5;  
Znanstveni radovi u časopisima indeksiranim od baza A&HCI, WoS / Scientific Papers in Journals indexed in A&HCI, WoS: 7 ;  
Znanstveni radovi u ostalim časopisima / Scientific Papers in Other Journals: 5;  
Znanstveni i stručni radovi u zbornicima skupova s recenzijom / Peer Reviewed Scientific and Professional Conference Papers: 3; Komentorstvo diplomskih radova / Co-Mentoring of Thesis: 5;

**ZNANSTVENO-NASTAVNO PODRUČJE / SCIENTIFIC AND TEACHING AREA:**

- Povijest umjetnosti / History of Art
- Urbanističko i prostorno planiranje / Urban and Spatial/Regional Planning
- Teorija urbanističkog i prostornog planiranja / Urban and Spatial Planning Theory

**OBJAVLJENI RADOVI / PUBLICATIONS:**

Knjige / Books: 11; Poglavlja u knjizi / Book chapters: 11; Znanstveni radovi u časopisima indeksiranim od baza A&HCI, WoS / Scientific Papers in Journals indexed in A&HCI, WoS: 5; Znanstveni radovi s recenzijom u ostalim časopisima / Peer reviewed scientific papers in other journals: 26; Znanstveni i stručni radovi u zbornicima skupova s recenzijom / Peer reviewed scientific and professional conference papers: 4; Stručni projekti, studije i ekspertize / Professional projects, studies and expertise: 6; Vođenje disertacija i magistarskih radova / Mentoring on Doctoral and Master thesis: 2; Komentorstvo diplomskih radova / Co-Mentoring of Diploma thesis: 33

**VODITELJSTVO I / ILI SUDJELOVANJE NA AKTUALNIM ISTRAŽIVAČKIM PROJEKTIMA PROJECT COORDINATOR AND/OR RESEARCHER ON CURRENT RESEARC PROJECTS**

- Teme i aspekti hrvatske fotografije od 19. stoljeća do danas, financiran od Hrvatske zaklade za znanost (2019-2023)
- Exposition. Themes and Aspects of Croatian Photography from the 19th Century until Today, financed by the Croatian Science Foundation (2019-2023) (istraživačica-researcher)

**VODITELJSTVO I / ILI SUDJELOVANJE NA AKTUALNIM ISTRAŽIVAČKIM PROJEKTIMA PROJECT COORDINATOR AND/OR RESEARCHER ON CURRENT RESEARC PROJECTS**

"Energy Usage and Green Public Transportation in Future Smart Cities: An Innovative Teaching Program for Students, Stakeholders and Entrepreneurs (EUGPUT)" Project which is founded under Erasmus + Key Action 203 Strategic Partnership

**NAGRADE I PRIZNANJA / AWARDS AND HONORS:**

2016. i 2019. godine dobila je stipendiju CERGE-EI Teaching Fellows Career Integration Fellowship za znanstvenike koji su svoj doktorat uspješno stekli na nekom od sveučilišta u Sjevernoj Americi, Australiji/ NZ ili Zapadnoj Europi, a znanstvenu karijeru grade u zemljama Centralne i Istočne Europe

**NAGRADE I PRIZNANJA / AWARDS AND HONORS:**

- 2014, Povelja Društva povjesničara umjetnosti Hrvatske "Radovan Ivančević" za izniman doprinos i unaprjeđenje struke, za knjigu "Giannantonio Selva. Dalmatinski projekti venecijanskog klasicističkog arhitekta", Zagreb, 2013. / Charter of Croatian Society of Art Historians "radovan Ivančević" for outstanding contribution to Croatian art history for the book: Designs of the Venetian Neoclassical Architect Giannantonio Selva in Dalmatia, Zagreb 2013.
- 2017, Nagrada Udruženja hrvatskih arhitekata „Neven Šegvić“, za knjigu "Grad (ni)je kuća. O dijalogu između novog i starog Splita-urbanistička predigra, 2016. / Croatian Architects' Association Award "Neven Šegvić" for the book: A City in (not) a house. A dialogue between the new and the old Split: urban design prelude, Zagreb, 2016.
- 2020, Državna godišnja nagrada za popularizaciju i promidžbu znanosti za 2019. godinu u polju humanističkih znanosti / The Croatian National Science Annual Award for Popularization and Promotion of Science in 2019.

# ZGRADARSTVO / BUILDINGS

## PREDMETI KOJE ODRŽAVA KATEDRA COURSES TAUGHT BY DEPARTMENT

### PSSAU

- Elementi zgrada 1 / Building elements 1
- Elementi zgrada 2 / Building elements 2
- Elementi zgrada 3 / Building elements 3
- Elementi zgrada 4 / Building elements 4
- Fizika zgrade / Building physics
- Instalacije / Building installations
- Moderna arhitektura / Modern architecture

### DSSAU

- Hrvatska arhitektura XX. stoljeća / Croatian architecture of the 20th century

### PSSG

- Elementi visokogradnje / Elements of building construction
- Uvod u graditeljstvo / Introduction to construction

### SSG

- Elementi zgrada I / Building elements I
- Elementi zgrada II / Building elements II
- Projektiranje zgrada / Design of buildings

## PODRUČJE ZNANSTVENO-ISTRAŽIVAČKOG RADA AREA OF SCIENTIFIC RESEARCH

- Elementi zgrada / Building elements
- Građevni materijali / Building materials
- Fizika zgrade / Building physics
- Teorija suvremene arhitekture / Theory of contemporary architecture
- Moderna hrvatska arhitektura (20. stoljeća) / Contemporary Croatian architecture
- Industrijska baština / Industrial heritage

## PODRUČJE UMJETNIČKOG I STRUČNOG RADA THE AREA OF ARTISTIC AND PROFESSIONAL WORK

- Arhitektonsko projektiranje / Architectural design
- Projekti fizike zgrade / Building physics projects
- Stručni nadzor / Expert supervision
- Konzervatorski elaborati / Conservation studies
- Dokumenti prostornog uređenja (urbanističko planiranje) / Spatial planning documentation (town planning)

## ČLANICE I ČLANOVI KATEDRE MEMBERS OF THE DEPARTMENT:



**Dr. sc. Dujmo Žižić**  
Docent / Assistant Professor  
Šef katedre / Head of the Chair

### ZNANSTVENO-NASTAVNO PODRUČJE / SCIENTIFIC AND TEACHING AREA:

- Elementi zgrada / Building elements
- Građevni materijali / Building materials
- Fizika zgrade / Building physics
- Moderna hrvatska arhitektura (20. stoljeća) / Contemporary Croatian architecture
- Industrijska baština / Industrial heritage

### OBJAVLJENI RADOVI / PUBLICATIONS:

Knjige / Books: 1;  
Znanstveni radovi u časopisima / Scientific papers in journals: 5;  
Znanstveni radovi u zbornicima međunarodnih kongresa / International scientific conference proceedings: 6

### UMJETNIČKO-NASTAVNO PODRUČJE / ARTISTIC AND TEACHING AREA:

- Arhitektonsko projektiranje  
Architectural design

### MENTORSTVA I PROJEKTI /

MENTORING AND PROFESSIONAL PROJECTS:  
Arhitektonski projekti / Architectural design projects: 26; Arhitektonske realizacije / Constructions completed: 12; Arhitektonski natječaji / Architectural competitions: 21  
Vođenje disertacija / Mentoring on Doctoral thesis: 1



**Dr. sc. Darovan Tušek**  
Redoviti profesor (trajno zvanje) / Full Professor (Tenure)

### ZNANSTVENO-NASTAVNO PODRUČJE / SCIENTIFIC AND TEACHING AREA:

- Teorija moderne i suvremene arhitekture  
Theory of modern and contemporary architecture
- Moderna hrvatska arhitektura (20. stoljeće)  
Modern Croatian architecture (20th Century)

### OBJAVLJENI RADOVI / PUBLICATIONS:

Knjige / Books: 7; Poglavlja u knjizi / Book chapters: 4; Znanstveni radovi u časopisima / Scientific papers in journals: 4

### UMJETNIČKO-NASTAVNO PODRUČJE / ARTISTIC AND TEACHING AREA:

- Arhitektonsko projektiranje / Architectural design

### MENTORSTVA I PROJEKTI /

MENTORING AND PROFESSIONAL PROJECTS:  
Arhitektonski projekti / Architectural design projects: 19; Arhitektonske realizacije / Constructions completed: 17; Arhitektonski natječaji / Architectural competitions: 4  
Vođenje disertacija i magistarskih radova / Mentoring on Doctoral and Master thesis: 3

### NAGRADE I PRIZNANJA / AWARDS AND HONORS:

- Nagrada „Neven Šegvić“ Udruženja hrvatskih arhitekata, 1997. / Neven Šegvić Award, Croatian Architects Association, 1997
- Priznanje Sveučilišta u Splitu za izuzetan doprinos razvoju Sveučilišta, 2011. / Plaque for outstanding contribution to the development of the University of Split, 2011
- Nagrada „Neven Šegvić“ Udruženja hrvatskih arhitekata, 2018. / Neven Šegvić Award, Croatian Architects Association, 2018



**Dr. sc. Vesna Perković Jović**  
Izvanredna profesorica / Associate Professor

### ZNANSTVENO-NASTAVNO PODRUČJE / SCIENTIFIC AND TEACHING AREA:

- Arhitektura 20. stoljeća, Elementi zgrada / 20th century architecture

### OBJAVLJENI RADOVI, MENTORSTVA I PROJEKTI / PUBLICATIONS, MENTORING AND PROFESSIONAL PROJECTS:

Znanstvena knjiga / Scientific book: 1;  
Poglavlja u knjizi / Book chapters: 17; Znanstveni radovi u časopisima indeksiranim u Current Contents-u / Scientific papers in journals indexed in CC: 3;  
Arhitektonski projekti / Architectural Projects: 30; Urbanistički planovi / Urban Design Projects: 1; Sudjelovanje na arhitektonskim natjecanjima / Participation in Architectural Competitions: 1; Nagrade na arhitektonskim natjecanjima / Competition Awards: 1; Arhitektonske realizacije / Completed Architectural Works: 25

### VODITELJSTVO I / ILI SUDJELOVANJE NA AKTUALNIM ISTRAŽIVAČKIM PROJEKTIMA PROJECT COORDINATOR AND/OR RESEARCHER ON CURRENT RESEARCH PROJECTS:

Arhitektura Splita u 20. stoljeću; naručitelj:  
MZOS RH / 20th century architecture of the city of Split; financed by the Ministry of Science, Education and Sports of the R. of Croatia (istraživač / researcher)





**Dr. sc. Višnja Kukoč**  
Izvanredna profesorica /  
Associate Professor

**ZNANSTVENO-NASTAVNO PODRUČJE /  
SCIENTIFIC AND TEACHING AREA:**

- Arhitektura i urbanizam /  
Architecture and Urbanism

**OBJAVLJENI RADOVI,  
MENTORSTVA I PROJEKTI /  
PUBLICATIONS, MENTORING  
AND PROFESSIONAL PROJECTS:**

- Poglavlja u knjizi: 2; Znanstveni radovi u časopisima indeksirani u WoS, CC ili Scopus bazama: 3; Arhitektonski projekti: 12; Arhitektonske realizacije: 6; Sudjelovanje na arhitektonsko/urbanističkim natjecanjima: 8; Nagrade na arhitektonsko-urbanističkim natjecanjima: 1; Urbanistički planovi: 1



**Ivan Nižetić,**  
Naslovni predavač /  
Lecturer

**ZNANSTVENO-NASTAVNO PODRUČJE /  
SCIENTIFIC AND TEACHING AREA:**

- Arhitektonsko projektiranje /  
Architectural design

**UMJETNIČKO-NASTAVNO PODRUČJE /  
ARTISTIC AND TEACHING AREA:**

- Arhitektonsko projektiranje  
Architectural design

**MENTORSTVA I PROJEKTI /**

**MENTORING AND PROFESSIONAL PROJECTS:**  
Arhitektonski projekti / Architectural design projects: 72; Urbanistički planovi / Town planning documents: 6; Sudjelovanje na arhitektonskim natjecanjima / Architectural competitions: 5; Nagrade na arhitektonskim natjecanjima / Architectural competitions awards: 2; Arhitektonske realizacije / Construction completed: 58; Vođenje diplomskih radova / Mentoring of Diploma thesis: 82



**Bruno Bartulović**  
Asistent / Teaching Assistant

**ZNANSTVENO-NASTAVNO PODRUČJE /  
SCIENTIFIC AND TEACHING AREA:**

- Arhitektura / Architecture
- Elementi zgrada / Building Elements
- Fizika zgrade / Building Physics

**OBJAVLJENI RADOVI,  
MENTORSTVA I PROJEKTI /  
PUBLICATIONS, MENTORING  
AND PROFESSIONAL PROJECTS:**

- Znanstveni i stručni radovi u zbornicima skupova s recenzijom / Peer reviewed scientific and professional conference papers: 4; Arhitektonski projekti / Architectural Projects: 9; Sudjelovanje na arhitektonskim natjecanjima / Participation in Architectural Competitions: 3;



**Luka Petričević**  
Asistent / Teaching Assistant

**ZNANSTVENO-NASTAVNO PODRUČJE /  
SCIENTIFIC AND TEACHING AREA:**

- Arhitektura /Architecture

**OBJAVLJENI RADOVI,  
MENTORSTVA I PROJEKTI /  
PUBLICATIONS, MENTORING  
AND PROFESSIONAL PROJECTS:**

- Arhitektonske realizacije /  
Completed Architectural Works: 16;  
Sudjelovanje na arhitektonskim natjecanjima /  
Participation in Architectural Competitions: 2;  
Nagrade na arhitektonskim natjecanjima /  
Competitions Awards: 2;

# GRADITELJSKO NASLIJEĐE / ARCHITECTURAL HERITAGE

## PREDMETI KOJE ODRŽAVA KATEDRA COURSES TAUGHT BY DEPARTMENT:

- **Diplomski studij arhitekture /**  
*Graduate Study of Architecture:*
- **Zaštita i obnova graditeljskog naslijeđa 1., 2. i 3. /**  
*Protection and Rehabilitation of architectural  
Heritage 1., 2., 3.*

## PODRUČJE ZNANSTVENO-ISTRAŽIVAČKOG RADA AREA OF SCIENTIFIC RESEARCH:

- **Dioklecijanova palača /** *Diocletian's palace*
- **Prostorni razvoj Splita /** *Spatial development of the  
city of Split*
- **Kaštelanski kašteli /** *The castles of Kaštela bay*
- **Srednjovjekovne i renesansne utvrde Dalmacije /**  
*Medieval and renaissance fortifications of Dalmatia*

## PODRUČJE STRUČNOG RADA AREA OF PROFESSIONAL WORK:

- **Obnova povijesnih građevina /**  
*Rehabilitation of Historic Buildings*

## ČLANICE I ČLANOVI KATEDRE MEMBERS OF THE DEPARTMENT:



**Dr.sc. Katja Marasović**  
Redovita profesorica /  
Full Professor  
Šefica katedre /  
Head of the Chair

### ZNANSTVENO-NASTAVNO PODRUČJE

#### SCIENTIFIC-TEACHING AREA:

- Istraživanje, zaštita i obnova  
graditeljskog naslijeđa /  
*Research, protection and rehabilitation  
of Architectural Heritage*

### OBJAVLJENI RADOVI, MENTORSTVA I PROJEKTI

#### PUBLICATIONS, MENTORING AND

#### PROFESSIONAL PROJECTS:

- Poglavlja u knjizi / *Book chapters*: 8;  
Znanstveni radovi u časopisima indeksiranim  
u Current Contents-u / *Scientific papers  
in journals indexed in CC*: 2; Znanstveni  
radovi u ostalim časopisima / *Scientific  
papers in other journals*: 27; Znanstveni  
i stručni radovi u zbornicima skupova s  
recenzijom / *Peer reviewed scientific and  
professional conference papers*: 18; Vođenje  
disertacija / *Mentoring on Doctoral thesis*:  
3; Vođenje diplomskih radova / *Mentoring  
of Diploma thesis*: 22; Arhitektonske  
realizacije / *Completed Architectural Works*:  
14; Urbanistički planovi / *Urban Design  
Projects*: 1; Konzervatorski elaborati /  
*Conservation study*: 53; Arhitektonski snimci  
/ *Architectural survey*: 8

### VODITELJSTVO I / ILI SUDJELOVANJE NA

#### AKTUALNIM ISTRAŽIVAČKIM PROJEKTIMA:

#### PROJECT COORDINATOR AND/OR RESEARCHER ON CURRENT RESEARCH PROJECTS

- 2014. -2018. "Antički vodni sustavi grada  
Salone i Dioklecijanove palače i njihov  
utjecaj na održivost urbane sredine";  
naručitelj HRZZ / "Ancient Water Systems of  
Salona and the Diocletian's Palace and Their  
Impact on the Sustainability of the Urban  
Environment" financed by Croatian Science  
Foundation (istraživač / *researcher*)
- 2010. – 2012. „Atlas hrvatske arhitekture 20.  
Stoljeća"; naručitelj; MZOS RH / "Atlas of  
20th Century Croatian Architecture"; financed  
by the Ministry of Science, Education and  
Sports of the R. of Croatia (istraživač /  
*researcher*)
- 2008.- 2010. – "Prostorni razvoj Kaštela  
od prapovijesti do 21. Stoljeća"; naručitelj;  
MZOS RH / "Spatial development of Kaštela  
from prehistoric times to the 21<sup>st</sup> century";  
financed by the Ministry of Science, Education  
and Sports of the R. of Croatia (istraživač /  
*researcher*)

**KATEDRA STUDIJA GEODEZIJE  
I GEOINFORMATIKE /  
CHAIR OF THE STUDY OF  
GEODESY AND GEOINFORMATICS**



# GEODEZIJA I GEOINFORMATIKA

## GEODESY AND GEOINFORMATICS

### PREDMETI KOJE ODRŽAVA KATEDRA COURSES TAUGHT BY DEPARTMENT:

#### PREDDIPLOMSKI STUDIJ GEODEZIJE I GEOINFORMATIKE UNDERGRADUATE STUDY OF GEODESY AND GEOINFORMATICS:

- Osnove geoinformatike / Basics of Geoinformatics
- Geodetski instrumenti / Geodetic Instruments
- Inženjerska grafika u geodeziji i geoinformatici / Engineering Graphics in Geodesy and Geoinformatics
- Uvod u geodeziju / Introduction to Geodesy
- Programiranje / Programming
- Izmjera zemljišta / Land Surveying
- Terenska mjerenja / Field Measurements
- Baze podataka / Databases
- Analiza i obrada geodetskih mjerenja / Analysis and Processing of Geodesic Measurements
- Geodetski planovi / Geodesic Maps
- Osnove zemljišno knjižnog prava / Principles of Land Registration Law
- Stručna praksa izvan fakulteta / Professional Practice out of the Faculty
- Kartografija / Cartography
- Geodetski referentni okviri / Geodesic Reference Frames
- Fotogrametrija / Photogrammetry
- Katastar / Cadastre
- Modeliranje geoinformacija / Geoinformation Modelling
- Kvaliteta geoinformacija / Geoinformation Quality
- Satelitsko pozicioniranje / Satellite Positioning
- Inženjerske geodetske osnove / Engineering Geodetic Control
- Daljinska istraživanja / Remote Sensing
- Uređenje zemljišta / Land Development
- Stručna praksa / Professional Practice
- Topografska kartografija / Topographic Cartography
- Inženjerska geodezija / Engineering Geodesy
- Državna izmjera / State Surveying
- Kartografske projekcije / Cartographic Projections
- Hidrografska izmjera / Hydrographic Survey
- Geoinformacijska infrastruktura / Geoinformation Infrastructure
- Završni ispit / Final exam

#### PREDDIPLOMSKI STUDIJ GRAĐEVINARSTVA / UNDERGRADUATE STUDY OF CIVIL ENGINEERING:

- Geodezija / Geodesy

#### DIPLOMSKI STUDIJ GRAĐEVINARSTVA / GRADUATE STUDY OF CIVIL ENGINEERING:

- Primjena GIS-a u upravljanju vodnim resursima / Application of GIS in Water Resource Management

#### STRUČNI STUDIJ GRAĐEVINARSTVA / PROFESSIONAL STUDY OF CIVIL ENGINEERING:

- Geodezija / Geodesy

#### PREDDIPLOMSKI STUDIJ ARHITEKTURE / UNDERGRADUATE STUDY OF ARCHITECTURE:

- Elementi zgrada I / Building elements I

#### PODRUČJE ZNANSTVENO-ISTRAŽIVAČKOG RADA PODRUČJE ZNANSTVENO-ISTRAŽIVAČKOG RADA

- Implementacija novih senzora i tehnologija za prikupljanje geoprostornih podataka za potrebe analiza prirodnog i izgrađenog okoliša / "Implementation of new sensors and technologies for the collection of geospatial data for the analysis of the natural and built environment
- Prikupljanje geoprostornih podataka multispektralnim senzorima iz zraka u realnom vremenu / Collection of geospatial data by multispectral sensors from the air in real time
- Primjena naprednih tehnologija u izradi 3D karata / Application of advanced technologies in the creation of 3D maps
- Razvoj aplikacija i mjernih metoda za praćenje i predviđanje prirodnih katastrofa i ostalih parametara u prirodnom i izgrađenom okolišu / Development of applications and measurement methods for monitoring and predicting natural disasters and other parameters in the natural and built environment
- Geoprostorne i geostatističke analize te procesiranje geoprostornih podataka / Geospatial and geostatistical analysis and processing of geospatial data
- Razvoj geografskih informacijskih sustava (razvoj algoritama za obradu geoprostornih podataka, semantičko modeliranje, povezivanje i diseminacija geoprostornih podataka te modeliranje geoprostorno-vremenskih i pametnih podataka) / Development of geographic information systems (development of algorithms for processing geospatial data, semantic modeling, connection and dissemination of geospatial data and modeling of geospatial-temporal and smart data)

#### PODRUČJE STRUČNOG RADA AREA OF PROFESSIONAL WORK

- Geoinformatička podrška u inženjerstvu / Geoinformatics support in engineering
- Geodetska izmjera / Geodetic surveying

### ČLANICE I ČLANOVI KATEDRE MEMBERS OF THE DEPARTMENT:



Dr. sc. Tea Duplančić Leder,  
Šefica katedre /  
Head of the Chair



Dr. sc. Ivana Racetin,  
Redovita profesorica /  
Full professor



Dr. sc. Željko Hećimović,  
izvanredni profesor /  
Associate professor

#### ZNANSTVENO-NASTAVNO PODRUČJE SCIENTIFIC-TEACHING AREA:

- Geoinformatika / Geoinformatics
- Geodezija / Geodesy
- Hidrografija / Hydrography
- Pomorska kartografija / Marine cartography

#### ZNANSTVENO-NASTAVNO PODRUČJE SCIENTIFIC-TEACHING AREA:

- Geoinformatika/Geoinformatics
- Geodezija / Geodesy
- Kartografija / Cartography
- Topografski i kartografski informacijski sustavi / Topographic and Cartographic Information Systems
- Pomorska kartografija / Marine Cartography

#### OBJAVLJENI RADOVI, MENTORSTVA I PROJEKTI PUBLICATIONS, MENTORING AND PROFESSIONAL PROJECTS:

Knjige / Books: 2; Poglavlja u knjizi / Book chapters: 1; Znanstveni radovi u časopisima indeksiranim u Web of Science / Scientific

#### ZNANSTVENO-NASTAVNO PODRUČJE SCIENTIFIC-TEACHING AREA:

- Geoinformatika/Geoinformatics
- Geodezija/Geodesy
- Osmatranje zemlja/Earth observation
- Satelitska geodezija/Satellite geodesy

#### OBJAVLJENI RADOVI, MENTORSTVA I PROJEKTI PUBLICATIONS, MENTORING AND PROFESSIONAL PROJECTS:

Knjige / Books: 5; Znanstveni radovi u časopisima indeksiranim u Current Contents-u / Scientific papers in journals indexed in WoS: 14; Znanstveni radovi s recenzijom u ostalim časopisima / Peer reviewed scientific papers in other journals: 4; Znanstveni i stručni radovi u zbornicima skupova s recenzijom / Peer reviewed scientific and professional conference papers: 45; Stručni projekti, studije i ekspertize / Professional projects, studies and expertise: 20

*papers in journals indexed in Web of Science:* 3; Znanstveni radovi s recenzijom u ostalim časopisima / *Peer reviewed scientific papers in other journals:* 7; Znanstveni i stručni radovi u zbornicima skupova s recenzijom / *Peer reviewed scientific and professional conference papers:* 15; Stručni projekti, studije i ekspertize / *Professional projects, studies and expertise:* 20

**VOĐITELJSTVO I / ILI SUDJELOVANJE NA AKTUALNIM ISTRAŽIVAČKIM PROJEKTIMA**  
PROJECT COORDINATOR AND/OR RESEARCHER ON CURRENT RESEARCH PROJECTS  
COST Action 18126 Writing Urban Places. New Narratives of the European City (2019-2023). (član upravnog odbora / Management Committee member)

#### OBJAVLJENI RADOVI, MENTORSTVA I PROJEKTI PUBLICATIONS, MENTORING AND PROFESSIONAL PROJECTS:

Znanstveni radovi u časopisima indeksiranim u Current Contents-u / Scientific papers in journals indexed in CC: 11; Znanstveni radovi s recenzijom u ostalim časopisima / Peer reviewed scientific papers in other journals: 20; Znanstveni i stručni radovi u zbornicima skupova s recenzijom / Peer reviewed scientific and professional conference papers: 70; Vođenje diplomskih radova / Mentoring of Diploma thesis: 21



Dr. sc. Martina Baučić,  
docentica /  
Assistant Professor

**ZNANSTVENO-NASTAVNO PODRUČJE**  
SCIENTIFIC-TEACHING AREA:

- Geoinformatika/Geoinformatics
- Geodezija/Geodesy

**OBJAVLJENI RADOVI,  
MENTORSTVA I PROJEKTI**  
PUBLICATIONS, MENTORING AND  
PROFESSIONAL PROJECTS:

Poglavlja u knjizi / Book chapters: 3;  
Znanstveni radovi u časopisima indeksiranim  
u Current Contents-u / Scientific papers in  
journals indexed in CC: 4; Znanstveni radovi  
s recenzijom u ostalim časopisima / Peer  
reviewed scientific papers in other journals:  
1; Znanstveni i stručni radovi u zbornicima  
skupova s recenzijom / Peer reviewed  
scientific and professional conference  
papers: 27; Vođenje diplomskih radova /  
Mentoring of Diploma thesis: 1; Stručni  
projekti, studije i ekspertize / Professional  
projects, studies and expertise: 50

**VODITELJSTVO I / ILI SUDJELOVANJE NA  
AKTUALNIM ISTRAŽIVAČKIM PROJEKTIMA**  
PROJECT COORDINATOR AND/OR RESEARCHER  
ON CURRENT RESEARC PROJECTS

E-CITIJENS, Sustav za podršku odlučivanju  
(SPO) u upravljanju hitnim situacijama  
za potrebe civilne zaštite zasnovan na  
građanskom novinarstvu, a za poboljšanje  
sigurnosti na području Jadrana, voditelj  
projekta za FGAG: Snježana Knezić i Martina  
Baučić, izvor financiranja: EU Interreg  
IT-CRO / E-CITIJENS, *Civil Protection  
Emergency DSS based on CITIZEN Journalism  
to ENhance Safety of Adriatic Basin*, FGAG  
project manager: Snježana Knezić and  
Martina Baučić, source of funding: Interreg  
V-A, Italy-Croatia CBC Program DEEP-SEA,  
Razvoj planiranja energetske učinkovitosti i  
mobilnih usluga marina na Jadranskoj obali,  
voditelj projekta za FGAG: Nikša Jajac, izvor  
financiranja: EU Interreg IT-CRO / DEEP-SEA,  
*Development of Energy Efficiency Planning  
and Services for the Mobility of Adriatic  
MARINAs*, project manager for FGAG: Nikša  
Jajac, source of funding: Interreg V-A, Italy-  
Croatia CBC Program



Dr. sc. Jelena Kilić Pamuković,  
docentica /  
Assistant professor

**ZNANSTVENO-NASTAVNO PODRUČJE**  
SCIENTIFIC-TEACHING AREA:

- Geodezija / Geodesy
- Geoinformatika / Geoinformatics

**OBJAVLJENI RADOVI,  
MENTORSTVA I PROJEKTI**  
PUBLICATIONS, MENTORING AND  
PROFESSIONAL PROJECTS:

Znanstveni radovi u časopisima indeksiranim  
u Current Contents-u / Scientific papers in  
journals indexed in CC: 9; Znanstveni radovi  
s recenzijom u ostalim časopisima / Peer  
reviewed scientific papers in other journals:  
3; Znanstveni i stručni radovi u zbornicima  
skupova s recenzijom / Peer reviewed  
scientific and professional conference  
papers: 12; Vođenje diplomskih radova /  
Mentoring of Diploma thesis: 5; Stručni  
projekti, studije i ekspertize / Professional  
projects, studies and expertise: 3

**VODITELJSTVO I / ILI SUDJELOVANJE NA  
AKTUALNIM ISTRAŽIVAČKIM PROJEKTIMA**  
PROJECT COORDINATOR AND/OR RESEARCHER  
ON CURRENT RESEARC PROJECTS

COST action 18126 (European Cooperation  
in Science and Technology) - Writing Urban  
Places: New Narratives of the European City;  
financed by Council of the European Union  
(istraživač / researcher)  
Interreg ITA-CRO - Development of Energy  
Efficiency Plan and Services for the  
mobility for the Adriatic marinas (DEEP-  
SEA); financed by the European Regional  
Development Fund (ERDF) (istraživač /  
researcher)



dr.sc. Ivan Racetin, Asistent/  
Assistant

**ZNANSTVENO-NASTAVNO PODRUČJE**  
SCIENTIFIC-TEACHING AREA:

- Geoinformatika / Geoinformatics
- Geodezija / Geodesy

**OBJAVLJENI RADOVI,  
MENTORSTVA I PROJEKTI**  
PUBLICATIONS, MENTORING AND  
PROFESSIONAL PROJECTS:

Znanstveni radovi u časopisima indeksiranim  
u Current Contents-u / Scientific papers in  
journals indexed in CC: 7; Znanstveni radovi  
s recenzijom u ostalim časopisima / Peer  
reviewed scientific papers in other journals:  
2; Znanstveni i stručni radovi u zbornicima  
skupova s recenzijom / Peer reviewed  
scientific and professional conference  
papers: 11; Stručni projekti, studije i  
ekspertize / Professional projects, studies  
and expertise: 18

**VODITELJSTVO I / ILI SUDJELOVANJE NA  
AKTUALNIM ISTRAŽIVAČKIM PROJEKTIMA**  
PROJECT COORDINATOR AND/OR RESEARCHER  
ON CURRENT RESEARC PROJECTS

Interreg ITA-CRO - Monitoring Sea-water  
intrusion in coastal aquifers and Testing pilot  
projects for its mitigation (MoST); financed  
by the European Regional Development Fund  
(ERDF) (istraživač / researcher)



Marina Tavra,  
Asistentica /  
Assistant

**ZNANSTVENO-NASTAVNO PODRUČJE**  
SCIENTIFIC-TEACHING AREA:

- Geoinformatika / Geoinformatics
- Geodezija / Geodesy

**OBJAVLJENI RADOVI,  
MENTORSTVA I PROJEKTI**  
PUBLICATIONS, MENTORING AND  
PROFESSIONAL PROJECTS:

Znanstveni i stručni radovi u zbornicima  
skupova s recenzijom / Peer reviewed  
scientific and professional conference  
papers: 14; Znanstveni radovi u WoS bazama/  
Scientific papers indexed in WoS: 5; Stručni  
projekti, studije i ekspertize / Professional  
projects, studies and expertise: 5



Josip Peroš,  
Asistent / Assistant

**ZNANSTVENO-NASTAVNO PODRUČJE**  
SCIENTIFIC-TEACHING AREA:

- Geoinformatika / Geoinformatics
- Geodezija / Geodesy

**VODITELJSTVO I / ILI SUDJELOVANJE NA  
AKTUALNIM ISTRAŽIVAČKIM PROJEKTIMA**  
PROJECT COORDINATOR AND/OR RESEARCHER  
ON CURRENT RESEARC PROJECTS

CAAT (Eng. Coastal Autopurification  
Assessment Technology) Razvoj tehnologije  
za procjenu autopurifikacijskih sposobnosti  
priobalnih voda-KK.01.1.1.04.0064

**OBJAVLJENI RADOVI,  
MENTORSTVA I PROJEKTI**  
PUBLICATIONS, MENTORING AND  
PROFESSIONAL PROJECTS:

Znanstveni i stručni radovi u zbornicima  
skupova s recenzijom / Peer reviewed  
scientific and professional conference  
papers: 4; Znanstveni radovi u časopisima  
sa recenzijom / Peer reviewed scientific  
papers: 2; Stručni projekti, studije i  
ekspertize / Professional projects, studies  
and expertise: 1



Samanta Bačić,  
Asistent / Assistant

**ZNANSTVENO-NASTAVNO PODRUČJE**  
SCIENTIFIC-TEACHING AREA:

- Geodezija / Geodesy

**OBJAVLJENI RADOVI,  
MENTORSTVA I PROJEKTI**  
PUBLICATIONS, MENTORING AND  
PROFESSIONAL PROJECTS:

Znanstveni radovi u časopisima indeksiranim  
u Current Contents-u / Scientific papers in  
journals indexed in CC: 1; Znanstveni i stručni  
radovi u zbornicima skupova s recenzijom  
/ Peer reviewed scientific and professional  
conference papers: 6; Stručni projekti, studije  
i ekspertize / Professional projects, studies  
and expertise: 1



Majda Česić,  
Asistentica / Assistant

**ZNANSTVENO-NASTAVNO PODRUČJE**  
SCIENTIFIC-TEACHING AREA:

- Geoinformatika/Geoinformatics
- Geodezija/Geodesy

**OBJAVLJENI RADOVI,  
MENTORSTVA I PROJEKTI**  
PUBLICATIONS, MENTORING AND  
PROFESSIONAL PROJECTS:

Znanstveni radovi u časopisima indeksiranim  
u Current Contents-u / Scientific papers in  
journals indexed in CC: 2; Znanstveni i stručni  
radovi u zbornicima skupova s recenzijom  
/ Peer reviewed scientific and professional  
conference papers: 6; Stručni projekti, studije  
i ekspertize / Professional projects, studies  
and expertise: 3



Frane Gilić,  
Asistent/Assistant

**ZNANSTVENO-NASTAVNO PODRUČJE**  
SCIENTIFIC-TEACHING AREA:  
• Geoinformatika / Geoinformatics  
• Geodezija / Geodesy

**OBJAVLJENI RADOVI,**  
**MENTORSTVA I PROJEKTI**  
PUBLICATIONS, MENTORING AND  
PROFESSIONAL PROJECTS:  
Znanstveni i stručni radovi u zbornicima  
skupova s recenzijom / Peer reviewed  
scientific and professional conference  
papers: 2; Stručni projekti, studije i  
ekspertize / Professional projects, studies  
and expertise: 2



Dario Kopačić,  
Stručni suradnik /  
Professional associate

**ZNANSTVENO-NASTAVNO PODRUČJE**  
SCIENTIFIC-TEACHING AREA:  
• Geoinformatika / Geoinformatics  
• Geodezija / Geodesy

**OBJAVLJENI RADOVI,**  
**MENTORSTVA I PROJEKTI**  
PUBLICATIONS, MENTORING AND  
PROFESSIONAL PROJECTS:  
Stručni projekti, studije i ekspertize /  
Professional projects, studies and expertise:  
100



Željko Zdunić,  
Stručni suradnik /  
Professional associate

**ZNANSTVENO-NASTAVNO PODRUČJE**  
SCIENTIFIC-TEACHING AREA:  
• Geoinformatika / Geoinformatics  
• Geodezija / Geodesy

**OBJAVLJENI RADOVI,**  
**MENTORSTVA I PROJEKTI**  
PUBLICATIONS, MENTORING AND  
PROFESSIONAL PROJECTS:  
Stručni projekti, studije i ekspertize /  
Professional projects, studies and expertise:  
300

## VANJSKI I SURADNICI KATEDRE ASSOCIATE MEMBERS OF THE DEPARTMENT

**Dr. sc. Jozo Čizmić**, redoviti profesor (trajno zvanje) / *Full professor (tenure position)* (Pravni fakultet Split)  
**Dr. sc. Željko Bačić**, redoviti profesor / *Full professor* (Geodetski fakultet Zagreb)  
**Dr. sc. Ljiljana Šerić**, izvanredna profesorica / *Associate professor* (FESB Split)  
**Dr. sc. Rinaldo Paar**, docent / *Assistant Professor* (Geodetski fakultet Zagreb)  
**Dr. sc. Marko Pavasović**, docent / *Assistant professor* (Geodetski fakultet Zagreb)  
**Dr. sc. Danijel Šugar**, docent / *Assistant professor* (Geodetski fakultet Zagreb)  
**Josip Miljenko Džoja**, asistent / *Assistant*  
**Marina Giljanović**, asistentica / *Assistant*  
**Ante Kolić**, asistent / *Assistant*  
**Filip Lagator**, asistent / *Assistant*

# KATEDRA ZA STRANE JEZIKE I OPĆE PREDMETE DEPARTMENT OF FOREIGN LANGUAGES AND GENERAL COURSES

**PREDMETI KOJE ODRŽAVA KATEDRA**  
COURSES TAUGHT BY DEPARTMENT:

**PREDDIPLOMSKI SVEUČILIŠNI STUDIJ GRAĐEVINARSTVA /**  
UNDERGRADUATE STUDY OF CIVIL ENGINEERING

Engleski jezik / English Language

**DIPLOMSKI SVEUČILIŠNI STUDIJ GRAĐEVINARSTVA /**  
GRADUATE STUDY OF CIVIL ENGINEERING

Engleski jezik / English Language

**PREDDIPLOMSKI SVEUČILIŠNI STUDIJ**  
**ARHITEKTURE I URBANIZMA /**  
UNDERGRADUATE STUDY OF  
ARCHITECTURE AND URBANISM:

Engleski jezik / English Language

**PREDDIPLOMSKI SVEUČILIŠNI STUDIJ**  
**GEODEZIJE I GEOINFORMATIKE /**  
UNDERGRADUATE STUDY OF GEODESY  
AND GEOINFORMATICS :

Osnove engleskog jezika struke /  
Basics of Professional English

**PREDDIPLOMSKI STRUČNI STUDIJ GRAĐEVINARSTVA /**  
UNDERGRADUATE PROFESSIONAL STUDY OF CIVIL  
ENGINEERING:

Engleski jezik / English Language



Irena Škarica,  
predavačica, vanjska  
suradnica / lecturer,  
associate member

**ZNANSTVENO-NASTAVNO PODRUČJE**  
SCIENTIFIC-TEACHING AREA:

- Znanost o prevođenju i kontrastivna analiza /  
Translation studies and contrastive analysis
- Književno prevođenje, prevođenje stručnih  
tekstova, usmeno prevođenje / Literary trans-  
lation, Technical translation, Interpretation

**OBJAVLJENI RADOVI,**  
**MENTORSTVA I PROJEKTI**  
PUBLICATIONS, MENTORING AND  
PROFESSIONAL PROJECTS:  
Stručni radovi (prijevodi  
romana) / Professional papers  
(translated novels): 11

## Knjižnica / Library

- **Dijana Erceg**, dipl. ing. građ., dipl. knjiž. voditeljica Knjižnice / *Head of Library*
- **Nikolina Škorić**, prof., dipl. knjiž.

Knjižnica je osnovana 1978. godine, a organizirana je kao samostalna ustrojbeno jedinica Fakulteta i namijenjena studentima, znanstveno-nastavnim i stručnim djelatnicima i suradnicima Fakulteta.

Knjižnični fond pokriva područja građevinarstva, arhitekture i urbanizma, umjetnosti i dizajna, geodezije, geologije, matematike, fizike, zaštite okoliša i drugih područja koja se predaju i istražuju na Fakultetu te sadrži referentnu zbirku, doktorske disertacije i magistarske radove obranjene na Fakultetu, diplomske i završne radove studenata, zbirku hrvatskih i međunarodnih normi, elektroničku građu na prijenosnim medijima i online te zbirku časopisa.

Cjelokupni fizički fond Knjižnice iznosi 26.857 jedinica knjižne građe, a od toga je 2.223 jedinica e-građe na prijenosnim medijima. Najveću vrijednost predstavljaju stručne knjige i časopisi na hrvatskom, engleskom, njemačkom i drugim jezicima.

Knjižnica redovito obnavlja pretplate na domaće i strane znanstvene i stručne časopise. Osim nabave časopisi se dobivaju putem razmjene za fakultetski časopis *International Journal for Engineering Modelling* i kao dar.

Nabava stranih i domaćih knjiga vrši se uz praćenje novih izdanja iz raznih područja kojima se bave djelatnici Fakulteta te prema potrebama nastave i znanstveno-istraživačkog rada.

Putem Portala e-izvora Knjižnica ima pristup u 79 baza podataka i kolekcija e-časopisa (22 se nabavljaju konzorcijskim ugovorima i uključuju približno 15.000 e-časopisa i 28.000 e-knjiga, ostale su u slobodnom pristupu), a od 2015. uređuje i održava fakultetski repozitorij na platformi Dabar koji pohranjuje 1.840 dokumenata od kojih su većina završni i diplomski radovi s prilogima, doktorske disertacije i radovi u zbornicima.

Knjižnica uređuje svoje mrežne stranice i Facebook putem kojih redovito izvješćuje i komunicira sa svojim korisnicima o novostima u samoj Knjižnici kao i drugim temama iz



The Library was founded in 1978. Today, it is organized as an independent unit within the Faculty. Its users are students, scientific, teaching and professional staff, and associates of the Faculty.

The Library fund covers the areas of civil engineering, art and design, architecture and urban planning, geodesy, geology, mathematics, physics, environmental protection, and other disciplines taught at the Faculty, as well as a referent collection, doctoral theses, master's theses, students' final and diploma theses defended at the Faculty, a collection of Croatian and international norms and regulations, electronic material stored online and on portable devices, and a collection of journals.

The entire physical fund of the Library amounts to 26,857 items, out of which 2,223 items are stored in an electronic form on portable devices. The most valuable items of the Library are professional books and journals in Croatian, English, German and other languages.

Subscriptions to domestic and international scientific and professional journals are reactivated regularly. Apart from direct purchase, journals available in the Library are also acquired through the exchange for the Faculty's house journal 'International Journal for Engineering Modelling,' and some are received as gifts.

The Library staff spearheads the purchase of international and domestic books and material by evaluating and monitoring trends in a range of scientific areas of interest to the Faculty's employees and ensuring that the acquisition of the material is up-to-date and informed by the needs of teaching and scientific research.

Via the E-source website, the Library has access to 79 databases and e-journal collections (22 are purchased via subscriptions and include approximately 15,000 e-journals and 28,000 e-books, whereas the rest are freely available). From 2015, the Library staff has managed and updated the Faculty's repository on the Dabar platform, where 1,840

područja građevinarstva, arhitekture, urbanizma, geodezije, informacijskih znanosti, kulture, izdavaštva i knjižničarstva. Edukacija korisnika o korištenju usluga Knjižnice, informacijske pismenosti, pretraživanju online kataloga, baza podataka i drugih internetskih izvora obavlja se kontinuirano individualnim pristupom u prostorima Knjižnice i online.

files are stored, most of which are bachelor and master's theses with their respective appendices, dissertations, and (papers in) conference proceedings.

The Library staff manages the Library webpage and a Facebook page that serve as platforms for publishing the latest news about the Library and other up-to-date information on relevant topics in civil engineering, architecture, urban planning, geodesy, information science, culture, publishing, and librarianship.

As a part of an ongoing offer, the Library provides, both on its premises and online, individualized instructions on the use of Library services, a search of online catalogs, databases and other Internet sources, and education in information literacy.

## Informatička služba / IT Service

- **Alen Domazet**, mag. ing. comp.
- **Ana Vlanić**, dipl.ing.el.,  
voditeljica informatičke službe /  
*Head of IT service*
- **Mario Parat**, bacc. oec.



Informatička služba Fakulteta, kao jedinica Dekanata, ustrojava i objedinjuje poslove u svezi uporabe informacijske i komunikacijske tehnologije za potrebe nastavne, znanstveno-istraživačke, stručne i poslovne djelatnosti Fakulteta. Na Fakultetu su dostupne tri klimatizirane računalne učionice s ukupno 59 računala i petnaest ostalih klimatiziranih predavaonica s projektorima, kamerama i priključnim stanicama za laptope u svakoj predavaonici. Bežični internet dostupan je studentima u cijeloj zgradi Fakulteta. Svima je dostupna usluga Microsoft Office 365 koja pruža mnoštvo funkcionalnosti, omogućava zajednički rad te 1 TB prostora za pohranu dokumenata. Također, svim je studentima dostupan niz besplatnih stručnih aplikacija na koje se prijavljuju sa svojim AAI@Edu.hr korisničkim računom ili e-mailom. Fakultet je opremljen s 'clusteroom' Oscar koji služi za zahtjevnije računalne proračune. Na stranicama informatičke službe studenti i profesori mogu saznati o novim tehnologijama koje će im pomoći u radu i ostvarivanju pogodnosti kao članovima akademske zajednice.

As a Deanery unit, the Faculty's IT Office organizes and manages activities connected to the use of IT and communication technologies for the Faculty's needs of teaching, scientific research, and professional and business activities. The Faculty has three air-conditioned computer labs with a total of 59 computers and 15 other air-conditioned classrooms with projector screens and cameras. In addition, every lecture room is furnished with electrical outlet stations for laptops. Wireless Internet access is available to students on the Faculty premises at all times. Microsoft Office 365 is freely available to everyone. It offers an array of functions, enables teamwork, and allows 1TB of storage space for data and documents.

Furthermore, many specialized applications are freely available to students who can access them by simply using their AAI@Edu.hr user account or email. The Faculty is also equipped with the Open Source Cluster Application Resources (OSCAR) software necessary for high-performance cluster computing. Finally, the IT Office website offers updates on new technologies that will help students and staff in their work and, no less important, the information on all the benefits they are entitled to as members of the academic community.

## Dekanat / Deanery



- **Saša Delić**, dipl.iur. / LL.M.,  
glavna tajnica / *Head Secretary*

## Upravno-pravna služba / Office for Administrative and Legal Affairs

- **Maja Lončar**, dipl. iur. / LL.M.  
voditeljica Upravno-pravne službe /  
*Head of the Office of Administrative and Legal Affairs*
- **Andelko Šegvić**, dipl. iur. / LL.M.  
viši stručni savjetnik / *Senior Advisor*
- **Sanja Trogrlić**, dipl. ing. građ. / M.Eng.  
stručna savjetnica / *Advisor*
- **Vini Mihačić**, tajnica dekana /  
*Secretary to the Dean*



## Studentska služba (referada) / Student Office

- **Milka Urlić**, dipl. oec. / MEcon
- **Ivana Blagaić**, dipl. oec./ MEcon
- **Marijana Papić**, dipl. oec. / MEcon





## Služba za znanstveno-istraživačku djelatnost i međunarodnu suradnju / Office for Scientific Research and International Cooperation

- **Petra Šimundić**, dipl. oec. MEcon  
voditeljica službe za znanstveno-istraživačku djelatnost i međunarodnu suradnju /  
*Head of Scientific Research and International Cooperation Office*



## Financijsko-materijalna služba (računovodstvo) / Accounting Office

- **Tomislav Milat**, dipl. oec. MEcon  
voditelj financijsko-materijalne službe /  
*Head of Accounting Office*
- **Valentina Kuzmanić**, dipl. oec.  
MEcon - glavni knjigovoda /  
*Head Accountant*
- **Antonija Peša**, dipl. oec.  
MEcon - viši referent za obračun osobnih primanja i blagajnik /  
*Senior Income Officer and the Treasurer*
- **Antonija Čikeš**, dipl. oec.  
MEcon - glavni knjigovoda za EU projekte /  
*Head Accountant for the EU-funded Projects*



## Tehnička i pomoćna služba / Technical and Maintenance Services

- **Matko Čikeš**,  
voditelj Tehničke službe /  
*Head of Technical and Maintenance Services*
- **Nenad Petković**
- **Krešimir Vranješ**
- **Stipe Rađa**
- **Vedrana Tušek**
- **Jakica Bartulović**
- **Tatjana Bogdan**
- **Tonka Bojčić**
- **Vedrana Čikeš**
- **Marijana Kuko**
- **Nada Mula**
- **Acilija Vuletić**
- **Ivanka Zagorac**
- **Marjan Banić**
- **Srdjan Jelača**
- **Stipan Marinić**



## Ured za istraživanje i razvoj, objedinjeno upravljanje istraživačko razvojnim kapacitetima / Project Implementation Support Office

- **Ana Lipovac**, dipl. oec.  
stručni suradnik za europske projekte /  
*EU Projects Assisstant*
- **Suzana Kronja**, dipl. oec. / MEcon
- **Šime Vulić**, dipl. arheolog i povj. umj. / MA
- **Tanja Jaman**, oec. / MEcon



## Struktura zaposlenih na Fakultetu / Employment Structure

	Broj zaposlenih Number of employees	Prosječna starost Average age
<b>Redoviti profesori / Full professors</b>	21	56
<b>Izvanredni profesori / Associate professors</b>	15	49
<b>Docenti / Assistant professors</b>	20	41
<b>Nastavna zvanja / Teaching positions</b>	2	50
<b>Asistenti / novaci / Research assistants</b>	29	30
<b>Tehničko osoblje / Technical staff</b>	1	64
<b>Administrativno osoblje / Administrative staff</b>	55	44
<b>Pomoćno osoblje / Maintenance staff</b>	2	51
<b>Ukupno / Total</b>	155	

## Umirovljeni djelatnici Fakulteta / Retired Faculty Employees

prof. emer. dr. sc. <b>Ivo Babić</b> , dipl.povj.umjetnosti i arheolog.	professor emeritus	1979.	2015.
izv. prof. art. <b>Nikola Bašić</b> , dipl. ing. arh.	izvanredni profesor / Associate professor	2007.	2015.
doc. dr. sc. <b>Nataša Bilić</b> , dipl.ing.mat.	docent/Assistant professor	1972.	2013.
<b>Tihomir Biloš</b>	laborant/ laboratory assistant	1980.	2017.
prof. emer. dr. sc. <b>Ognjen Bonacci</b> , dipl. ing. građ.	professor emeritus	1976.	2012.
prof. dr. sc. <b>Zdravka Božikov</b> , prof. matematike	redoviti profesor / Full professor	1972.	2014.
mr. sc. <b>Petar Cerovac</b> , dipl. ing. geod.	viši predavač / Senior lecturer	1977.	2010.
mr. sc. <b>Josip Grabovac</b> , dipl. ing. stroj.	viši predavač / Senior lecturer	1982.	2007.
Radoslav Džigurski	djelatnik tehničke i pomoćne službe/ Technical and support service employee	1999.	2014.
mr. sc. <b>Vladica Herak Marović</b> , dipl.ing.građ.	viši predavač / Senior lecturer	1980.	2018.
prof. dr. sc. <b>Vinko Jović</b> , dipl.ing.građ.	redoviti profesor u trajnom zvanju / Full professor with tenure	1968.	2015.
doc. dr. sc. <b>Marija Kandido Rožman</b> , prof. franc. jezika	docentica / Assistant professor	1979.	2003.
<b>Nada Katušić</b>	djelatnica računovodstva / Accounting	1977.	2010.
<b>Anka Karan</b>	djelatnica tehničke i pomoćne službe/ Technical and support service employee	1977.	2018.
<b>Blaženka Kovačić</b>	djelatnica tehničke i pomoćne službe/ Technical and support service employee	1979.	2013.
doc.dr.sc. <b>Višnja Kukoč</b> , dip.ing.arh.	docentica / Assistant professor	2013.	2019.
prof. art. <b>Ante Kuzmanić</b> , dipl.ing.arh.	redoviti profesor u trajnom zvanju / Full professor with tenure	2001.	2018.
prof. dr. sc. <b>Ivo Lozić</b> , dipl. ing. građ.	profesor emeritus	1976.	2004.
<b>Vinko Ljubić</b>	rukovoditelj Studentske službe / Head of student service	1971.	1983.
<b>Gordana Matić</b>	djelatnica računovodstva / Accounting	1978.	2015.
prof. emer.dr.sc. <b>Jure Margeta</b> , dipl.ing.građ.	professor emeritus	1978.	2020.
prof. dr. sc. <b>Dušan Marušić</b> , dipl. ing. građ.	redoviti profesor u trajnom zvanju/ Full professor with tenure	1981.	2011.
<b>Mandalena Matošić</b> , prof. eng. jezika	predavačica / Lecturer	1978.	2006.
<b>Božena Mendeš</b> , dipl.iur.	glavna tajnica /Head secretary	1981.	2003.
mr. sc. <b>Ante Meštrović</b> , dipl. ing. građ.	viši predavač / Senior lecturer	1976.	2004.
prof. emer.dr.sc. <b>Ante Mihanović</b> , dipl. ing. građ.	professor emeritus	1972.	2019.
prof. dr. sc. <b>Jakov Miličić</b> , dipl. ing. građ.	redoviti profesor / Full professor	1974.	1996.
prof. dr. sc. <b>Nenad Mladineo</b> , dipl.oec.	redoviti profesor / Full professor	1978.	2017.
prof. emer.dr.sc. <b>Bernardin Peroš</b> , dipl. ing. građ.	professor emeritus	1976.	2016.
izv.prof.dr.sc. <b>Robert Plejić</b> , dipl.ng.arh.	izvanredni profesor/Associate professor	2009.	2019.
<b>Slavko Prlj</b> , dipl.oec.	rukovoditelj Računovodstva / Head of Accounting	1985.	2019.
izv. prof. art. <b>Nikola Popić</b> , dipl.ing.arh.	izvanredni profesor/Associate professor	2011.	2017.
prof. dr. sc. <b>Zoran Ribarović</b> , dipl. oec. i dipl. ing. građ.	redoviti profesor / Full professor	1984.	2006.
<b>Mirjana Rogošić</b>	rukovoditeljica Studentske službe / Head of student service	1976.	2017.
prof. emer.dr.sc. <b>Tanja Roje-Bonacci</b> , dipl.ing.građ.	professor emerita	1976.	2016.
<b>Ljubica Sirišević</b>	tajnica dekana / Dean's secretary	1981.	2007.
<b>Zlata Štroliga</b>	djelatnica tehničke i pomoćne službe / Technical and support service employee	2001.	2011.
prof. art. Mr.sc. <b>Emil Šverko</b> , dipl. ing. arh.	redoviti profesor / Full professor	2004.	2015.
izv. prof. dr. sc. <b>Mijo Vranješ</b> , dipl. ing. građ.	izvanredni profesor/Associate professor	1975.	2014.
prof. dr. sc. <b>Božo Vrdoljak</b> , prof. matematike	redoviti profesor u trajnom zvanju / Full professor with tenure	1976.	2013.
<b>Zora Vrdoljak</b>	voditeljica knjižnice / Head of library	1977.	2003.
<b>Katica Vukov</b>	knjižničarka / Librarian	1979.	1999.
mr. sc. <b>Zoran Zorić</b> , dipl. ing. mat.	asistent / Assistant	1975.	1992.

## Zaposlenici Fakulteta (bivši i sadašnji)\* / Employees of the Faculty (current and former)\*

Ovom prilikom zahvaljujemo svim nekadašnjim zaposlenicima Fakulteta koji su svojom djelatnošću, upornošću i savjesnim radom doprinijeli razvoju i napretku ove ustanove. Također, zahvaljujemo sadašnjim djelatnicima Fakulteta na naporima koje ulažu u održanju i povećanju postignute izvrsnosti.

Napomena: Dana 11. listopada 1971. godine započeo je s radom Odjel Građevinskog fakulteta Zagreb – u Splitu. Od 01. siječnja 1977. do 30. lipnja 1991. godine Fakultet je djelovao integrirano s Institutom građevinarstva Hrvatske, pod zajedničkim nazivom Fakultet građevinskih znanosti. Stoga su kao bivši zaposlenici Fakulteta ovdje navedeni zaposlenici:

- Odjela Građevinskog fakulteta Zagreb – u Splitu,
  - IGH i FGZ-a koji su sudjelovali u nastavi,
  - FGZ-a koji su nakon 30. lipnja 1991. nastavili raditi na Fakultetu,
  - Fakulteta, zaposleni nakon 30. lipnja 1991.
- \* Izvor: Monografije i kadrovska služba Fakulteta.

We take this opportunity to thank all the former Faculty employees whose work, persistence, and professionalism contributed substantially to the growth and prosperity of this institution. We would also like to thank all our current employees for their hard work and efforts to preserve and cultivate the achieved excellence.

Note: On October 11th, 1971, the Split Department of the Faculty of Civil Engineering in Zagreb initiated its activity. From January 1st, 1977, until June 30th, 1991, the Faculty operated as an integral part of the Croatian Institute of Civil Engineering (IGH) under a common name of the Faculty of Civil Engineering Sciences.

Therefore, the 'former Faculty employees' designation refers to all the employees of:

- the Split Department of the Faculty of Civil Engineering in Zagreb
  - the Faculty of Civil Engineering Sciences who participated in teaching
  - the Faculty of Civil Engineering Sciences who continued their work at the Faculty after June 30th, 1991
  - the Faculty, who were employed after June 30th, 1991.
- \* Source: Monographs and the HR Office of the Faculty

### 1971.

Ljubić Vinko, 1983.

### 1972.

Bilić Nataša  
Božikov Zdravka, 2014.  
Kilić Srećko, 1988.  
Mihanović Ante, 2019.

### 1973.

Alfirević Ante, 1992.  
Makjanić Mirjana, 1991.  
Punda Dalibor, 1991.

### 1974.

Miličić Ivo, 1990.  
Miličić Jakov, 1996.  
Petrov Ratomir, 1991.  
Smoljanović Marko, 1994.  
Stanić Anđelka, 1993.  
Šafranko Uroš, 1987.

### 1975.

Dužević Rodanka, 1991.  
Petrov Vesna, 1991.  
Tedeschi Stanislav, 1977.  
Zorić Zoran, 1992.

### 1976.

Bonacci Ognjen, 2012.  
Čagalj Miro, 1991.  
Damjanić Frano, 1987.  
Danolić Petar, 1991.  
Gotovac Blaž  
Jović Vinko, 2015.  
Lozić Ivo, 2004.  
Margeta Jure, 1978.  
Meštrović Ante, 1999.  
Mikelić Karmela, 1987.  
Peroš Bernardin, 2016.  
Rivier Karmen, 1987.  
Rogošić Mirjana, 2017.  
Roje Bonacci Tanja, 2016.  
Ujević Mara, 1991.  
Vrdoljak Božo, 2013.

### 1977.

Barišin Mate, 1982.  
Cerovac Petar, 2010.  
Čizmić Nevenka, 1991.  
Dagelić Jozica, 2002.  
Dešković Petar, 1984.  
Karan Anka, 2018.  
Katušić Nada, 2010.  
Krstulović Petar, 2010.  
Miletić Marija, 2007.  
Nižetić Đuro, 2016.

### 1978.

Radnić Jure  
Škomrlj Jakov, 1996.  
Štroliga Zlata, 2011.  
Tvrdić Ljiljana, 1991.  
Vrdoljak Zora, 2003.  
Vukman Blagica, 1991.  
Vuletić Acilija  
Zindović Milan, 1984.  
Znidarčić Mladen, 1985.

### 1978.

Blagaić Vinko, 2004.  
Čaušević Mehmed, 1979.  
Čelan Zdenko, 1986.  
Čović Matko, 1991.  
Čulić Zjena, 2004.  
Grabić Nikola, 1991.  
Lešina Ante, 1991.  
Margeta Jure, 2020.  
Marović Pavao  
Matić Gordana, 2015.  
Matošić Mandalena, 2006.  
Mladineo Nenad, 2017.  
Strizak Cvita, 2004.  
Stupalo Dragan, 1981.  
Šošević Olga, 1991.  
Šunjić Branko, 1978.  
Vukov Ante, 1989.

### 1979.

Barčot Duško, 1991.  
Blagaić Nikola, 1991.  
Bogetić Aljoša, 1991.  
Boras Drago, 1991.  
Dešković Žarko, 1991.  
Dorić Vjekoslav, 1991.  
Dužević Tomislav, 1993.  
Gusić Rade, 1982.  
Jaramaz Branislav, 1982.  
Kandido Rožman Marija, 1980.  
Kovačić Blaženka, 2013.  
Lakoš Pavao, 1991.  
Pavešković Ante, 1991.  
Radelja Tonči, 2013.  
Šestanović Slobodan, 2005.  
Ujević Nenad, 1987.  
Viličić Boško, 1982.  
Vukov Katica, 1999.

### 1980.

Andričević Roko, 1985.  
Barbalić Ivo, 1991.  
Biloš Tihomir, 2017.  
Borovina Berislav, 1985.  
Čatlak Zlatko, 1991.  
Herak Marović Vladica, 2018.  
Kandido Rožman Marija, 2003.  
Obradović Obrad, 1991.

Samardžija Ivica, 1991.  
Žic Krešimir, 1984.

### 1981.

Krsnik Krešimir, 1985.  
Marušić Dušan, 2011.  
Mendeš Božena, 2003.  
Nižetić Rajko, 1991.  
Perica Sanja, 1991.  
Plazibat Miljenko, 1990.  
Sirišćević Ljubica, 2007.  
Stojić Edita, 1993.  
Stojić Petar, 1997.

### 1982.

Derado Luka, 1985.  
Grabovac Josip, 1999.  
Gusić Rade, 1991.  
Reić Petar, 1983  
Vojnović Josip, 2005.

### 1983.

Bojanić Davor  
Jaramaz Branislav, 1988.

### 1984.

Dragović Miomir, 1997.  
Munjiza Ante, 1990.  
Pupavac Jadranka, 1988.  
Reić Petar, 1986  
Ribarović Zoran, 2006.

### 1985.

Borovina Berislav, 1984.  
Mišćević Predrag  
Petković Nenad  
Prlj Slavko, 2019.  
Štimac Dragutin, 1991.  
Žic Krešimir, 1986.

### 1987.

Jurić Milka, 1988.  
Penić Dragica, 2006.  
Reić Petar, 1990.

### 1988.

Dešković Nikola, 1989.  
Knezić Snježana  
Krolo Josip, 1988.  
Miličević Marinko, 1996.  
Miličić Dražen, 1990.  
Ostojić Škomrlj Nives  
Pavasović Slobodan  
Schönauer Miroslav, 1990.  
Šimunović Srđan, 1990.

### 1989.

Tušek Darovan

### 1990.

Kozulić Vedrana  
Nikolić Željana

### 1991.

Blažević Ante, 1993.  
Fistonić Ante, 2001.  
Harapin Alen  
Jukić Damir, 2000.

### 1992.

Damjanić Frano, 1998.  
Denić Vesna  
Jakovčević Miroslav, 1993.  
Stazić Tatjana, 2011.  
Štambuk Nataša, 1996.  
Viđak Boris, 1996.  
Zorić Zoran, 1993.

### 1993.

Čikeš Matko  
Jelača Srđan  
Maršić Frano, 1995.  
Miletić Marijana  
Ružić Sandra

### 1994.

Cvitanić Dražen  
Gusić Goran, 1995.  
Kapov Vedrana, 1995.  
Karamatić Ivo, 1996.  
Kuzmanić Vedrana, 1996.  
Mateić Sanja  
Raguzin Meter Ružica, 1997.  
Reljanović Željko, 1994.

### 1995.

Botić Zoran, 1997.  
Breški Deana  
Galić Mirela  
Marinić Stipan  
Petričević Mila, 1997.  
Rako Ivo, 1997.  
Sinovčić Jović Ivna, 1997.  
Soće Hrvoje, 1995.

### 1996.

Cvitanić Dražen  
Knezić Snježana  
Prkić Anela, 1999.  
Trogrlić Boris

### 1997.

Banić Senka  
Boko Ivica  
Čudina Jurica, 1998.  
Erceg Dijana  
Lukšić Davor, 2007.  
Radan Paula, 2011.

### 1998.

Andričević Roko  
Blažev Sunčica, 2006.  
Čurić Nives, 2019.  
Markota Lada, 2007.  
Ožić-Bašić Dina, 2009.  
Perković Zdeslav, 2006.  
Turković Anita, 2002.  
Zanchi Jelena, 2000.

### 1999.

Džigurski Radoslav, 2014.  
Jurić Milka, 2016.  
Milišić Josipa Pina, 2001.  
Tranfić Snježana, 2000.

### 2000.

Bojčić Tonka  
Fistanić Ivana, 2008.  
Gotovac Hrvoje, 2001.

### 2001.

Brzović Danijela, 2011.  
Grabovac Josip, 2007.  
Kuzmanić Ante, 2018.  
Meštrović Ante, 2004.  
Perković Vesna  
Sedlar Jelena  
Šimunović Tihomir, 2009.

### 2002.

Čikeš Vedrana  
Sesartić Renata, 2012.  
Zagorac Ivanka  
Živaljić Nikolina

### 2003.

Andrić Maja  
Gabrić Dario  
Grgić Ana  
Lovričević Neda  
Stazić Tatjana, 2011.  
Škrabić Nikolina

### 2004.

Bartulović Jakica  
Delić Saša  
Ivelić Slavica  
Jajac Nikša  
Kezić Neno  
Kovačić Ivan, 2006.  
Kuzmanić David, 2010.  
Marasović Katja  
Pavić Tatjana, 2007.  
Knezić Snježana  
Prkić Anela, 1999.  
Trogrlić Boris

### 2005.

Bertolino Marko, 2011.  
Bogdan Tatjana  
Hinić Danijela, 2005.  
Lončar Milena, 2007.  
Marušić Marin, 2008.  
Matijević Sanja  
Mula Nada  
Šverko Ivana, 2012.  
Toševski Aleksandar, 2009.

### 2006.

Babić Ivo, 2015.  
Balić Ivan  
Ištuk Pavao, 2008.  
Matas Ana, 2008.

Radelja Darko, 2007.  
Smoljanović Hrvoje  
Torić Neno  
Zovko Monika, 2006.

### 2007.

Andrić Ivo  
Bašić Nikola, 2015.  
Bojanić Tatjana  
Duplančić Leder Tea  
Gladović Jelena, 2008.  
Jukić Damir  
Lončar Maja  
Mrđen Marija, 2020.  
Njirić Hrvoje  
Smilović Marija  
Srzić Veljko  
Šegvić Anđelko  
Tabak Stipe, 2016.  
Vlainić Ana  
Vranješ Krešimir, 2008.  
Vulas Danijela, 2007.

### 2008.

Bartulović Hrvoje  
Brajčić Nives  
Divić Vladimir  
Grgić Nikola  
Gudelj Ana, 2021.  
Jelača Silvana, 2008.  
Matas Ana, 2019.  
Matešan Domagoj  
Mihačić Vini  
Munjiza Ante  
Sović Gorana, 2012.  
Urlić Milka  
Žagrović Jelena  
Žižić Dujmo

### 2009.

Babić Dunja, 2020.  
Baloević Goran  
Blagaić Ivana  
Jonjić Nediljko, 2009.  
Karačić Maja, 2015.  
Kuzmanić Ana  
Plejić Robert, 2019.  
Sinovčić Jović Ivna, 2016.  
Vlaić Ivana, 2017.  
Vlastelica Goran  
Željковиć Ivana, 2015.

### 2010.

Ban Maja, 2016.  
Baučić Martina  
Kadić Ana  
Levi Lea, 2014.  
Petrov Vedran, 2010.  
Racetin Ivana  
Uzelac Ivana

### 2011.

Antunović Suzana  
Blagaić Ivana  
Brnić Antonela, 2015.  
Brzović Danijela, 2011.  
Buzov Ante, 2013.  
Popić Nikola, 2017.

Turato Idis, 2014.  
Sunara Marina  
Vukoje Biljana

#### 2012.

Batinić Milko, 2018.  
Čuka Zdravko, 2018.  
Galešić Morena  
Sesartić Renata, 2012.  
Šimundić Petra, 2013.  
Tušek Vedrana, 2013.  
Žagrović Jelena, 2013.

#### 2013.

Bojanić Tatjana, 2016.  
Buzov Ante, 2014.  
Kovačević Bruna, 2013.  
Kovačić Katarina, 2014.  
Kukoč Višnja, 2019.  
Vrdoljak Božo, 2013.  
Bilić Nataša, 2013.  
Radelja Tonči, 2013.  
Štambuk Cvitanović Nataša  
Tušek Vedrana  
Vulević Milena, 2014.

#### 2014.

Afrić Jasna, 2018.  
Abram Marko, 2016.  
Ančić Ana, 2019.  
Buklijaš-Kobojević  
Domagoj, 2016.  
Hećimović Željko  
Kekez Toni, 2016.  
Kilić Jelena, 2015.  
Kovačić Katarina, 2014.  
Letilović Iva  
Perojević Snježana  
Plejić Toma  
Pulić Šime, 2015.  
Racetin Ivan, 2016.  
Reljanović Robert Jure, 2015.  
Salvezani Daša, 2016.  
Tavra Marina, 2015.  
Turudić Marica, 2016.  
Vranješ Mijo, 2014.  
Vuletić Antonia, 2016.  
Vulević Milena

#### 2015.

Banović Ivan, 2021.  
Bilić Jelena, 2017.  
Bilobrk Ivan, 2016.  
Buličić Roko, 2016.  
Dumanić Daniela  
Čapeta Petra, 2017.  
Goreta Marko  
Karačić Maja, 2015.  
Kekez Toni, 2018.  
Kuzmanić Valentina, 2016.  
Malenica Luka, 2019.  
Mimica Marko, 2019.  
Nuić Tihomir, 2017.  
Peša Antonija  
Šarić Ivo, 2016.  
Šoše Josip, 2017.  
Šverko Emil, 2015.  
Željković Ivana, 2015.

#### 2016.

Barišić Marin, 2019.  
Budimir Iva, 2017.  
Erceg Olgica, 2020.  
Jovanović Nataša, 2018.  
Kamber Grgo, 2021.  
Kilić Jelena  
Kuzmanić Valentina  
Lovrinović Ivan  
Nikolić Mijo  
Pelivan Lea, 2018.  
Peroš Bernardin, 2016.  
Racetin Ivan  
Randić Saša  
Marasović Danijel  
Roje-Bonacci Tanja, 2016.  
Tavra Marina  
Turato Idis, 2014.

#### 2017.

Domazet Alen  
Domazet Gizella, 2020.  
Česić Jakov, 2017.  
Galić Anđela, 2018.  
Karačić Maja, 2017.  
Lovrić Vranković Jelena  
Milat Martina  
Parat Mario  
Peračić Dinko  
Peroš Josip  
Rađa Stipe  
Šikimić Goran, 2018.  
Šitum Antoni, 2018.  
Udovičić Vlade, 2019.  
Vranješ Krešimir  
Vučemilović Vranjić Marina, 2018.

#### 2018.

Bartulović Bruno  
Česić Jakov  
Ban Anka, 2018.  
Barić Milica, 2018.  
Čarija Jadran, 2021.  
Đepina Ivan  
Kalinić Matea  
Krnić Petra, 2021.  
Kuzmanić Jere  
Meštrović Branka, 2020.  
Papić Marijana  
Šimundić Petra

#### 2019.

Banić Marijan  
Bačić Samanta  
Biuk Sanja, 2020.  
Čikeš Antonia  
Gilić Frane  
Grozđanić Gabrijela  
Ivić Majda  
Hrzić Tin  
Kopić Dario  
Matić Iva  
Lipovac Ana  
Livak Toni  
Plejić Robert  
Raić (Duhović) Ana  
Rogulj Katarina  
Rubić Ratković Nikolina  
Runjić Luka, 2020.

Ugrin Nika, 2021.  
Maričević Nela, 2020.  
Živković Krste

#### 2020.

Kalajžić Jakša  
Kronja Suzana  
Lozić Ana  
Milat Tomislav  
Nižetić Đuro  
Vojković Marin, 2021.  
Vrsalović Arijana  
Vulić Šime  
Zdunić Željko  
Pavić Samanta  
Radanović Sanja  
Šunjić Petra, 2020.

#### 2021.

Eichman Madeleine  
Grčić Vibor  
Jaman Tanja  
Kamber Grgo  
Kumar Veerappan Sathish  
Milan Duje  
Pletikosić Fanito  
Prvan Edo  
Romić Ana

## In memoriam

Prof. dr. sc.	<b>Ante Alfirević</b> , dipl. ing. građ. (1933.-2010.) <b>Vinko Blagaić</b> , dipl. iur. (1939.-2004.) <b>Frano Boris Damjanić</b> , dipl. ing. građ. (1944.-1998.) <b>Miomir Dragović</b> , dipl. ing. arh. (1953.-1997.) <b>Ante Fistonić</b> (1941.-2001.) <b>Petar Krstulović</b> , dipl. ing. građ. (1935.-2010.) <b>Ivo Lozić</b> , dipl. ing. građ. (1933.-2013.) <b>Dušan Marušić</b> , dipl. ing. građ. (1940.-2019.) <b>Božena Mendeš</b> , dipl.iur. (1937.-2015.) <b>Ivo Miličić</b> , dipl. ing. građ. (1930.-2007.) <b>Dragica Penić</b> (1959.-2006.) <b>Zdeslav Perković</b> , dipl. ing. arh. (1937.-2006.) <b>Tonči Radelja</b> , dipl. ing. matematike (1950.-2013.) <b>Petar Stojić</b> , dipl. ing. građ. (1927.-2003.) <b>Uroš Šafranko</b> , dipl. ing. geod. (1937.-2006.) <b>Slobodan Šestanović</b> , dipl. ing. geol. (1945.-2005.) <b>Jakov Škomrlj</b> , dipl. ing. građ. (1928.-2009.) <b>Ivana Šverko</b> , dipl. ing. arh. (1949.-2012.) <b>Josip Vojnović</b> , dipl. ing. arh. (1929.-2008.) <b>Ante Vukov</b> , dipl. ing. građ. (1936.-1989.)
Prof. dr. sc.	
Prof. emer. dr. sc.	
Prof. dr. sc.	
Doc. dr. sc.	
Mr. sc.	
Prof. dr. sc.	
Mr. sc.	
Prof. dr. sc.	
Prof. dr. sc.	
Izv. prof. dr. sc.	
Prof. dr. sc.	
Prof. dr. sc.	

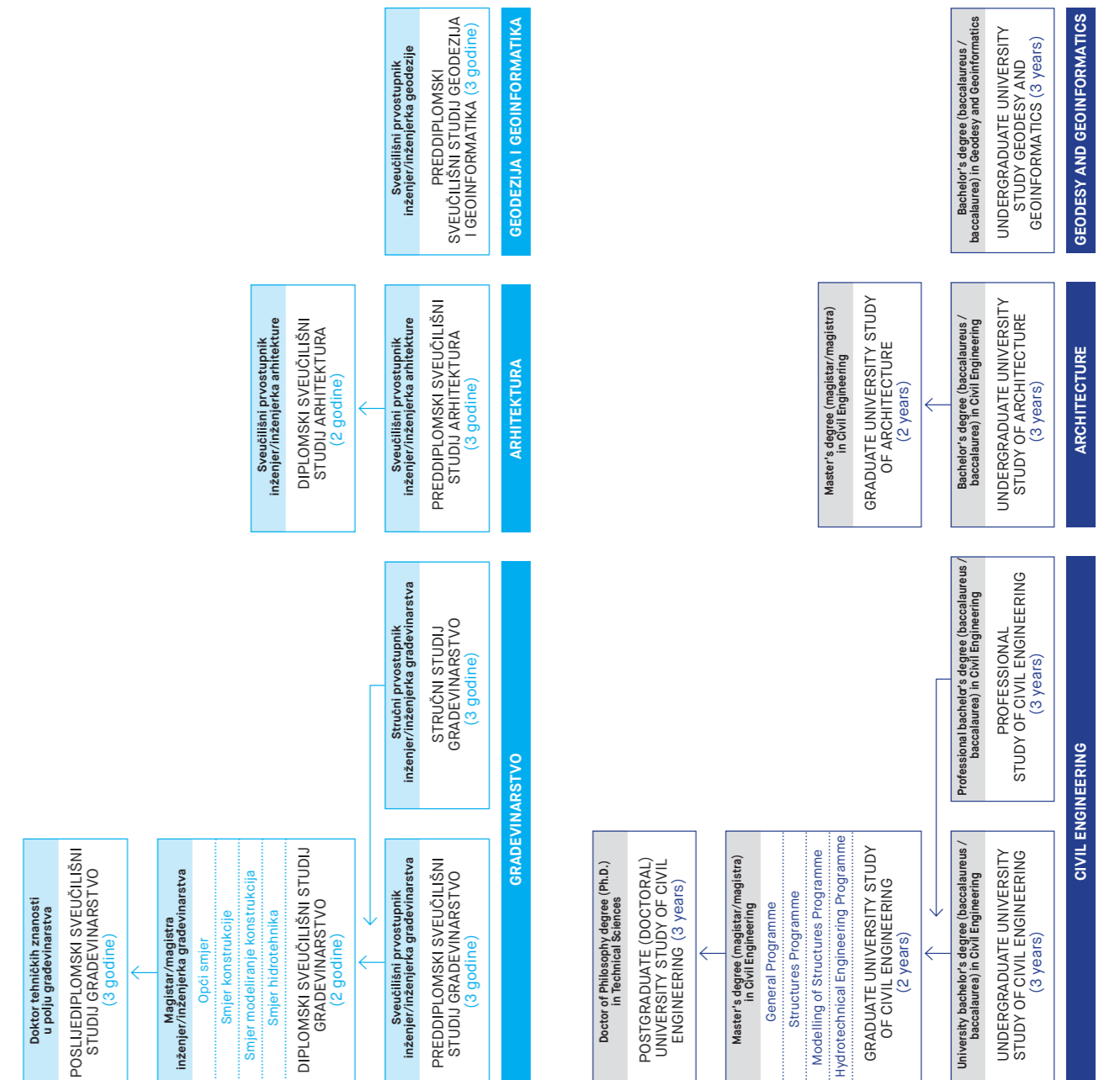
viši predavač / *Senior Lecturer*  
rukovoditelj opće službe / *Head of General Services*  
redoviti profesor / *Full Professor*  
viši predavač / *Senior Lecturer*  
djelatnik opće službe / *General Services employee*  
redoviti profesor / *Full Professor*  
Professor emeritus / *Professor Emeritus*  
Redoviti profesor / *Full Professor*  
Glavna tajnica / *Head Secretary*  
viši predavač / *Senior Lecturer*  
djelatnica referade / *Student Office employee*  
docent / *Assistant Professor*  
viši predavač / *Senior Lecturer*  
redoviti profesor / *Full Professor*  
viši predavač / *Senior Lecturer*  
redoviti profesor / *Full Professor*  
redoviti profesor / *Full Professor*  
Izvanredni profesor / *Associate Professor*  
redoviti profesor / *Full professor*  
redoviti profesor / *Full Professor*

# NASTAVNA DJELATNOST I STUDIJSKI PROGRAMI / TEACHING PRACTICE AND STUDY PROGRAMMES

Na Fakultetu se organiziraju i izvode sljedeći studiji:

- Preddiplomski sveučilišni studij Građevinarstvo
- Preddiplomski sveučilišni studij Arhitektura i urbanizam
- Preddiplomski sveučilišni studij Godezija i geoinformatika
- Preddiplomski stručni studij Građevinarstvo
- Diplomski sveučilišni studij Građevinarstvo
- Diplomski sveučilišni studij Arhitektura i urbanizam
- Poslijediplomski sveučilišni (doktorski) studij Građevinarstvo

Prikazani su sljedećem shemom:



The Faculty of Civil Engineering, Architectue and Geodesy offers the following degree programs:

- Undergraduate University Study Program in Civil Engineering
- Undergraduate University Study Program in Architecture and Urban Planning
- Undergraduate University Study Program in Geodesy and Geoinformatics
- Professional Study Program in Civil Engineering
- Graduate University Study Program in Civil Engineering
- Graduate University Study Program in Architecture and Urban Planning
- Postgraduate (Doctoral) Study Program in Civil Engineering

They are outlined in the following diagram:

Nastavna i znanstveno-istraživačka djelatnost Fakulteta odvija se kroz 22 katedre. Fakultet danas ima 1557 upisanih studenata, a do sada su studij završili:

Twenty-two Faculty Departments are engaged in teaching activities and scientific research. Presently, the Faculty has 1,557 enrolled students, and to this day, the studies have been completed by:

## STUDIJI GRAĐEVINARSTVA / STUDY OF CIVIL ENGINEERING:

- Sveučilišni dodiplomski studij građevinarstva – diplomirani inženjeri / diplomirane inženjerke građevinarstva (dipl. ing. građ.) / Graduate University Study of Civil Engineering (M.Sc.CE.*)	1030
- Diplomski sveučilišni studij Građevinarstvo (Bologna) - magistar inženjer / magistra inženjerka građevinarstva (mag. ing. aedif.) / Graduate University Study of Civil Engineering (M.Sc.CE.*)	708
- Preddiplomski sveučilišni studij Građevinarstvo (Bologna) - prvostupnici (baccalaureus) inženjeri/prvostupnice (baccalaurea) inženjerke građevinarstva (univ. bacc. ing. aedif.) / Undergraduate University Study of Civil Engineering – Baccalaureus / Baccalaurea in Civil Engineering (B.Sc.CE.*)	743
- Stručni studij građevinarstva - inženjeri/inženjerke građevinarstva (ing. građ.) / Professional Study of Civil Engineering – Baccalaureus/Baccalaurea in Civil Engineering (B.CE.*)	491
- Preddiplomski stručni studij Građevinarstvo (Bologna) - stručni prvostupnici (baccalaureus) inženjeri/stručne prvostupnice (baccalaurea) inženjerke građevinarstva (bacc. ing. aedif.) / Professional Study of Civil Engineering – Baccalaureus/Baccalaurea in Civil Engineering (B.CE.*)	550

## STUDIJI ARHITEKTURE I URBANIZMA / STUDY OF ARCHITECTURE AND URBAN PLANNING:

- Dodiplomski sveučilišni studij arhitekture – diplomirani inženjeri/diplomirane inženjerke arhitekture (dipl. ing. arh.) / Graduate University Study of Architecture and Urban Planning – Magistar/Magistra in Architecture and Urban Planning (M.Sc.Arch.*)	49
- Diplomski sveučilišni studij Arhitektura i urbanizam - magistri inženjeri/magistre inženjerke arhitekture i urbanizma (mag. ing. arh.) / Graduate University Study of Architecture and Urban Planning – Magistar/Magistra in Architecture and Urban Planning (M.Sc.Arch.*)	316
- Preddiplomski sveučilišni studij Arhitektura i urbanizam - Sveučilišni prvostupnici (baccalaureus) inženjeri/prvostupnice (baccalaurea) inženjerke arhitekture (univ. bacc. ing. arh.) / Undergraduate University Study of Architecture – Baccalaureus/Baccalaurea in Architecture and Urban Planning (B.Sc.Arch.*)	445

## STUDIJI GEODEZIJE I GEOINFORMATIKE / STUDY OF GEODESY AND GEOINFORMATICS:

- Preddiplomski sveučilišni studij Geodezija i geoinformatika - sveučilišni prvostupnici (baccalaureus) inženjeri/prvostupnice (baccalaurea) inženjerke geodezije i geoinformatike (univ. bacc. ing. geod. et geoinf.) / Undergraduate University Study of Geodesy and Geoinformatics – Baccalaureus/Baccalaurea in Geodesy and Geoinformatics (B.Sc.Geod. and Geoinf.*)	157
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\* Prema / According to: Report of the FHEQ Self-certification Advisory Group, The Quality Assurance Agency for Higher Education, UK, 2008.

## STUDIJI GRAĐEVINARSTVA / STUDY OF CIVIL ENGINEERING

### PREDDIPLOMSKI SVEUČILIŠNI STUDIJ GRAĐEVINARSTVO

Preddiplomski sveučilišni studij građevinarstva izvodi se na Fakultetu građevinarstva, arhitekture i geodezije Sveučilišta u Splitu i traje tri akademske godine (šest semestara). Završetkom preddiplomskog sveučilišnog studija građevinarstva stječe se akademski naziv sveučilišni prvostupnik/prvostupnica (baccalaureus/baccalaurea), inženjer/inženjerka građevinarstva. Sveučilišni prvostupnik/prvostupnica, inženjer/inženjerka građevinarstva osposobljen/osposobljena je za sve poslove u području građevinske djelatnosti u skladu s odgovarajućom zakonskom regulativom (Zakonom o gradnji, Zakonom o prostornom uređenju, Zakonom o poslovima i djelatnostima prostornog uređenja i gradnje gradnji i dr.). Kompetencije koje se stječu:

- projektant ili voditelj gradilišta jednostavnijih građevina visokogradnje (stambene građevine, poslovne građevine, proizvodno-poslovne hale...)
- pomoćnik projektanta ili voditelj pojedinih radova na gradilištu ostalih građevina (stambene građevine, poslovne građevine, trgovački centri, sportske dvorane, stadioni, bazenski kompleksi, muzeji, proizvodno-poslovne hale, ceste, željezničke pruge, mostovi, tuneli, brane, ustave, hidro-melioracijski zahvati, luke, marine...)
- rad na suradničkim poslovima u znanstvenim i znanstveno-istraživačkim ustanovama, kao što su fakulteti i instituti, na domaćim i inozemnim znanstvenim projektima i programima.
- rad na suradničkim poslovima u stručnim službama lokalne i državne uprave
- poslovi u planiranju gradilišta manje složenih objekata
- vođenje manjih građevinskih investicija
- održavanje građevinskih objekata i sustava
- nastavni rad na srednjoškolskoj i visokoškolskoj razini.

Na preddiplomskom sveučilišnom studiju građevinarstva stječe se 180 ECTS bodova. Preddiplomski sveučilišni studij građevinarstva izvodi se u cijelosti na Fakultetu građevinarstva, arhitekture i geodezije Sveučilišta u Splitu. Nastavni plan sastoji se od obveznog dijela programa i izbornog/fakultativnog dijela programa te je usklađen s europskim sustavom prijenosa bodova (ECTS) po kojem se jednom godinom studija stječe 60 ECTS bodova. Završavanjem ove razine studija stječu se uvjeti za upis na diplomski sveučilišni studij građevinarstva.

### UNDERGRADUATE UNIVERSITY STUDY OF CIVIL ENGINEERING

The Faculty of Civil Engineering, Architecture and Geodesy, University of Split, offers an Undergraduate University Study Program in Civil Engineering. The program lasts for three academic years (or six semesters). Having completed the undergraduate degree program in Civil Engineering, one earns the academic title of a Bachelor of Science in Civil Engineering (B.Sc.CE.). A bachelor of science in civil engineering is qualified for all types of work and positions in construction, in accordance with applicable laws and regulations (the Building Act, Physical Planning Act, Act on Physical Planning and Building Tasks and Activities, and others). A holder of the Bachelor's degree is capable of taking up and performing the following positions and tasks:

- Designer or construction site coordinator for simple structures (e.g., apartment buildings, office buildings, industrial-business halls);
- Assistant designer or coordinator of individual operations on construction sites for other buildings (e.g., apartment buildings, office buildings, shopping centers, sports halls, stadiums, pool complexes, museums, industrial-business halls, roads, railways, bridges, tunnels, barrages, hydro-amelioration interventions, harbors, marinas);
- Associate positions at scientific and scientific-research institutions such as faculties and institutes, both within domestic and international projects and programs;
- Associate positions in professional services in the local and state administration;
- Positions in construction site planning for less complex structures;
- Coordination of smaller construction investment projects;
- Maintenance of construction objects and systems;
- Teaching positions at high schools and higher education levels.

The courses of the Undergraduate Program in Civil Engineering are held entirely at the Faculty of Civil Engineering, Architecture and Geodesy, University of Split. The Program's curriculum consists of compulsory and elective courses and is harmonized with the European Credit Transfer and Accumulation System (ECTS), according to which a student acquires 60 ECTS credits per academic year. A bachelor's degree at the Undergraduate University Study Program in Civil Engineering requires 180 ECTS credits. Having completed this program, one meets the admission requirements to a graduate degree program in Civil Engineering.

Stručni studij građevinarstva izvodi se na Fakultetu građevinarstva, arhitekture i geodezije Sveučilišta u Splitu i traje tri akademske godine (šest semestara). Završetkom stručnog studija stječe se 180 ECTS bodova i stručni naziv stručni prvostupnik/prvostupnica (baccalareus/baccalau-rea), inženjer/inženjerka građevinarstva.

Stručni studij građevinarstva pruža studentima primjenu razinu znanja i vještina koje omogućavaju obavljanje stručnih zanimanja i osposobljava ih za neposredno uključivanje u radni proces. Stručni prvostupnik/prvostupnica inženjer/inženjerka građevinarstva osposobljen/osposobljena je za sve poslove u području građevinske djelatnosti u skladu s odgovarajućom zakonskom regulativom (Zakonom o gradnji, Zakonom o prostornom uređenju, Zakonom o poslovima i djelatnostima prostornog uređenja i gradnje gradnji i dr.). Kompetencije po dosadašnjim zakonima odgovaraju zvanju inženjer građevinarstva:

- projektant ili voditelj gradilišta jednostavnijih građevina visokogradnje (stambene građevine, poslovne građevine, proizvodno-poslovne hale...)
- pomoćnik projektanta ili voditelj pojedinih radova na gradilištu ostalih građevina (stambene građevine, poslovne građevine, trgovački centri, sportske dvorane, stadioni, bazenski kompleksi, muzeji, proizvodno-poslovne hale, ceste, željezničke pruge, mostovi, tuneli, brane, ustave, hidro-melioracijski zahvati, luke, marine...)
- suradnički poslovi u razradi jednostavnih projekata, osobito grafičkih dijelova projekta, dijelova armaturnih planova i radioničkih nacrti, planova oplate i troškovnika
- vođenje manjih proizvodnih pogona
- rad na suradničkim poslovima u stručnim službama lokalne i državne uprave
- poslovi u planiranju gradilišta manje složenih objekata
- vođenje manjih građevinskih investicija
- održavanje građevinskih objekata i sustava.

Stručni prvostupnici/prvostupnice mogu upisati diplomski sveučilišni studij građevinarstva uz obvezu polaganja razlikovnih ispita do 60 ECTS-a. Pristupnici za upis na diplomski sveučilišni studij građevinarstva izabiru se putem razredbenog postupka. Stručni studij građevinarstva izvodi se u cijelosti na Fakultetu građevinarstva, arhitekture i geodezije Sveučilišta u Splitu. Nastavni plan sastoji se od obveznog dijela programa te izbornog/fakultativnog dijela programa. Nastavni plan i program usklađen je s europskim sustavom prijenosa bodova (ECTS) po kojem se jednom godina studija stječe 60 ECTS bodova.

The Faculty of Civil Engineering, Architecture and Geodesy, University of Split, offers a three-year (six-semester) Professional Study Program in Civil Engineering. Having completed the Professional Study Program, one acquires 180 ECTS credits and earns a Professional Bachelor in Civil Engineering degree (B.CE.).

The professional degree program at FCEAG gives its students adequate skills and knowledge to enter the labor market directly upon graduation and become practicing professionals in civil engineering. Holders of professional bachelor degree in civil engineering are qualified for all kinds of work in the field of civil engineering, in accordance with applicable laws and regulations (the Building Act, Physical Planning Act, Act on Physical Planning and Building Tasks and Activities, and others). According to the former legislation, the acquired competencies correspond to a Bachelor's degree in Civil Engineering. The degree holders are qualified for the following positions/tasks:

- Designer or construction site coordinator for simple structures (e.g., apartment buildings, office buildings, industrial-business halls);
- Assistant designer or coordinator of individual operations on construction sites for other buildings (e.g., apartment buildings, office buildings, shopping centers, sports halls, stadiums, pool complexes, museums, industrial-business halls, roads, railways, bridges, tunnels, barrages, hydro-amelioration interventions, harbors, marinas);
- Assistant positions in the development of simple designs, especially graphic parts of a design, some elements of armature plans and workshop blueprints, payment plans, and cost estimates;
- Management of smaller production plants;
- Associate positions in professional services in the local and state administration;
- Positions in planning construction sites for less complex objects;
- Management of smaller construction investment projects;
- Maintenance of buildings and construction systems.

The courses of the Professional Study Program in Civil Engineering are held entirely at the Faculty of Civil Engineering, Architecture and Geodesy, University of Split. The curriculum of the professional degree program consists of compulsory and elective parts and is harmonized with the European Credit Transfer and Accumulation System (ECTS), according to which students acquire 60 ECTS credits per academic year. A professional bachelor's degree holder can pursue the University Graduate Study Program in Civil Engineering, having passed compulsory differential exams of up to an additional 60 ECTS credits. Candidates who wish to pursue the graduate studies in civil engineering are selected through an admission procedure.

Diplomski sveučilišni studij Građevinarstvo izvodi se na Fakultetu građevinarstva, arhitekture i geodezije Sveučilišta u Splitu i traje dvije akademske godine (četiri semestra). Diplomski sveučilišni studij građevinarstva izvodi se u tri smjera:

- Opći smjer
- smjer Modeliranje konstrukcija
- smjer Konstrukcije
- smjer Hidrotehnika.

Završetkom diplomskog sveučilišnog studija građevinarstva stječe se akademski naziv magistar/magistra, inženjer/inženjerka građevinarstva. Magistar/magistra, inženjer/inženjerka građevinarstva osposobljen/osposobljena je za sve poslove u području građevinske djelatnosti u skladu s odgovarajućom zakonskom regulativom (Zakonom o gradnji, Zakonom o prostornom uređenju, Zakonom o poslovima i djelatnostima prostornog uređenja i gradnje gradnji i dr.). Kompetencije po dosadašnjim zakonima odgovaraju zvanju diplomirani inženjer građevinarstva:

- projektant, glavni projektant ili voditelj gradilišta građevina visokogradnje (stambene građevine, poslovne građevine, trgovački centri, proizvodno-poslovne hale...)
- projektant, glavni projektant ili voditelj gradilišta javnih građevina (sportske dvorane, stadioni, bazenski kompleksi, muzeji, koncertne dvorane...)
- projektant, glavni projektant ili voditelj gradilišta prometnica i građevina na prometnicama (ceste, željezničke pruge, mostovi, tuneli...)
- projektant, glavni projektant ili voditelj gradilišta hidrotehničkih građevina (brane, ustave, hidro-melioracijski zahvati, luke, marine...)
- stručni nadzor nad izvođenjem prethodno nabrojanih građevina
- vođenje velikih proizvodnih pogona
- voditelj poslova vezanih za konzalting i inženjering u graditeljstvu (upravljanje projektima, projektne studije, investicijske studije...) i vođenje većih građevinskih investicija
- stručne ekspertize i vođenje radova pri obnovi ili sanaciji spomeničkih i drugih građevina povijesne ili umjetničke vrijednosti
- rad u znanstvenim i znanstveno-istraživačkim ustanovama, kao što su fakulteti i instituti, na domaćim i inozemnim znanstvenim projektima i programima
- rad u stručnim službama lokalne i državne uprave
- stručni i savjetodavni poslovi u inženjerstvu zaštite okoliša, vodnih resursa, upravljanje klimatskim i neklimatskih rizicima
- nastavni rad na srednjoškolskoj i visokoškolskoj razini.

The Faculty of Civil Engineering, Architecture and Geodesy, University of Split, offers a two-year (four-semester) Graduate University Study Program in Civil Engineering. Four specialization paths are possible to earn a Master's degree in Civil Engineering:

- General Specialization
- Modeling of Structures Specialization
- Structural Engineering Specialization
- Hydrotechnical Engineering Specialization

Upon completing the Graduate University Study Program in Civil Engineering, the student obtains a Master of Science in Civil Engineering degree. Master's degree holders acquire skills for all tasks in the civil engineering discipline, in accordance with the applicable laws and regulations (the Building Act, Physical Planning Act, Act on Physical Planning and Building Tasks and Activities, and others). The acquired competencies are equal to those of a Master of Science in Civil Engineering in the former educational framework and the degree holders are qualified to take up the following positions:

- A designer, lead designer, or construction site manager for high-rise structures (e.g., apartment buildings, office buildings, shopping centers, industrial-office halls);
- A designer, lead designer, or a construction site manager for public buildings (e.g., sports halls, stadiums, museums, concert halls);
- A designer, lead designer, or a construction site manager for roads and road objects (roads, railways, bridges, tunnels);
- A designer, lead designer, or a construction site manager for hydrotechnical structures (e.g., dams, barrages, hydro-amelioration undertakings, harbors, marinas);
- A professional supervisor of the construction of the previously mentioned objects and structures;
- Manager of large production plants;
- Manager of operations related to consulting and engineering in civil engineering (e.g., design management, design studies, investment studies) and more significant construction investments;
- Supervisor, manager, or expert consultant in the reconstruction or repair of monuments and other objects of historical and artistic value;
- Positions in scientific or scientific-research institutions such as faculties and institutes, and positions on local and international scientific projects and programs;
- Positions in professional services and offices of the local and state administration;
- Expert consulting and engineering positions in environmental protection, water resource protection, climate, and non-climate-related risk management;
- Teaching positions at high schools or higher education levels.

Na diplomskom sveučilišnom studiju građevinarstva stječe se 120 ECTS bodova. Kandidati koji završe diplomski sveučilišni studij građevinarstva stječu uvjete za upis na poslijediplomski sveučilišni studij građevinarstva (doktorski) na visokim učilištima koja provode taj studij, među kojima je i Fakultet građevinarstva, arhitekture i geodezije.

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#### POS LIJEDIPLOMSKI SVEUČILIŠNI (DOKTORSKI) SVEUČILIŠNI STUDIJ GRAĐEVINARSTVO

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Poslijediplomski sveučilišni (doktorski) studij građevinarstva izvodi se u cijelosti na Sveučilištu u Splitu, Fakultetu građevinarstva, arhitekture i geodezije. Studij se organizira kao redoviti u punom radnom vremenu i traje tri godine (šest semestara) ili kao studij s pola radnog vremena koji traje šest godina (dvanaest semestara), tijekom kojih student prikuplja minimalno 180 ECTS bodova. Student/ica ima mogućnost u prvom i drugom semestru poslijediplomskog studija upisati izvankurikularne predmete u maksimalnom iznosu od 60 ECTS bodova. Tri godine studija predviđene su isključivo za znanstveno-istraživački rad, odnosno izradu disertacije. 180 ECTS bodova stječe se aktivnostima uz originalno znanstveno istraživanje koje rezultira izradom i obranom doktorske disertacije. Završetkom poslijediplomskog sveučilišnog studija građevinarstva stječe se akademski naziv doktor tehničkih znanosti. Doktori tehničkih znanosti koji završe ovaj studij stječu vrhunsko znanstveno obrazovanje temeljeno na najnovijim znanjima iz područja istraživanja uz minimalno tri godine provedenih znanstvenih istraživanja. Mogu se zaposliti u javnom i privatnom sektoru, a osposobljeni su za:

- u suradnji s mentorom osmisliti znanstveno istraživanje u cilju stvaranja novih hipoteza i znanstvenih spoznaja unutar odabranog znanstvenog područja
- pripremiti i izložiti javno priopćenje o postignutim rezultatima istraživanja na međunarodnom znanstvenom skupu
- uspješno obraniti hipotezu i rezultate znanstvenog istraživanja te argumentirano iznijeti stavove u raspravi tijekom priopćenja na međunarodnom znanstvenom skupu
- kritički analizirati i prosuđivati objavljene znanstvene radove drugih autora unutar odabranog znanstvenog područja
- kao vodeći autor napisati i uspješno objaviti najmanje jedan znanstveni rad u časopisu s međunarodnom recenzijom
- napisati doktorski rad, javno ga izložiti i uspješno obraniti
- primijeniti novostvorena znanja i znanstvene spoznaje iz dokorskog rada u praksi
- sudjelovati u radu znanstvenih timova ili znanstvenih projekata u zemlji ili inozemstvu.

Students who complete the Graduate University Study Program in Civil Engineering acquire 120 ECTS credits. Candidates who hold a Master of Science in Civil Engineering degree may pursue postgraduate studies in Civil Engineering in higher-education institutions, including the Postgraduate Study Program in Civil Engineering at the Faculty of Civil Engineering, Architecture and Geodesy in Split.

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#### POSTGRADUATE (DOCTORAL) UNIVERSITY STUDY PROGRAM IN CIVIL ENGINEERING

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The Postgraduate University Study Program in Civil Engineering is carried out entirely at the Faculty of Civil Engineering, Architecture and Geodesy in Split. It is offered either as a full-time, three-year (six-semester) degree program during which the student earns 180 ECTS credits or as a part-time, six-year (twelve-semester) program during which the student needs to acquire a total of 180 ECTS credits. During the first and the second semester of postgraduate studies, doctoral students can choose extra-curricular courses amounting to a maximum of 60 ECTS credits. Three years of study are planned exclusively for scientific research, i.e., for the work on a dissertation. Therefore, 180 ECTS credits are acquired by taking courses and working on original research that leads to the completion and defense of a doctoral thesis. Upon completing the postgraduate studies in civil engineering, one earns a Doctor of Philosophy degree (Ph.D.).

Doctors of Philosophy who have completed this degree program have top scientific training based on the latest knowledge in their discipline and possess a minimum of three years of experience in doing scientific research. Holders of the Ph.D. degree can be employed in both public and private sectors and possess the skills and knowledge to:

- design scientific research with the support of a supervisor in order to come up with new hypotheses and knowledge within the selected scientific discipline;
- prepare and deliver a public presentation of research results at an international scientific conference;
- defend the hypotheses and results of their scientific research; defend their standpoints with reasoned and robust arguments in discussions at international scientific conferences;
- critically analyze and evaluate the existing scientific literature (other authors' papers) within a selected scientific field;
- write and successfully publish at least one scientific paper as the lead author in an international, peer-reviewed journal;
- write a doctoral dissertation, present it publicly and defend it successfully;

Informacijski paket poslijediplomskog sveučilišnog (dokorskog) studija građevinarstva nalazi se na mrežnim stranicama Fakulteta ([gradst.unist.hr](http://gradst.unist.hr)).

Odluku o raspisivanju natječaja za upis na poslijediplomski sveučilišni studij građevinarstva donosi Fakultetsko vijeće Fakulteta građevinarstva, arhitekture i geodezije Sveučilišta u Splitu. Natječaj za upis na studij kontinuiran je i otvoren je do popunjavanja upisne kvote.

- apply newly acquired knowledge and insights from the doctoral thesis in practice;
- collaborate with scientific teams and on scientific projects in Croatia and abroad.

Information on the Postgraduate University Study Program in Civil Engineering is available on the Faculty website ([www.gradst.unist.hr](http://www.gradst.unist.hr)).

The decision on announcing the Call for admission to the postgraduate university studies in Civil Engineering is made by the Faculty Council of the Faculty of Civil Engineering, Architecture and Geodesy of the University of Split. The Call for admission is open until the enrolment quota has been reached.



# STUDIJI ARHITEKTURE I URBANIZMA / STUDIES OF ARCHITECTURE AND URBAN PLANNING

## PREDDIPLOMSKI SVEUČILIŠNI STUDIJ ARHITEKTURA I URBANIZAM

Preddiplomski sveučilišni studij arhitekture i urbanizma traje tri akademske godine (šest semestara). Završetkom preddiplomskog sveučilišnog studija arhitekture i urbanizma stječe se akademski naziv sveučilišni prvostupnik/prvostupnica (baccalaureus/baccalaurea), inženjer/inženjerka arhitekture i urbanizma. Preddiplomski sveučilišni studij arhitekture i urbanizma osposobljava studente za suradničke poslove na području arhitektonske i urbanističke djelatnosti u skladu sa zakonskim propisima (Zakon o prostornom uređenju i gradnji, Zakon o arhitektonskim i inženjerskim poslovima i djelatnostima u prostornom uređenju i gradnji i dr.). Na preddiplomskom sveučilišnom studiju stječe se 180 ECTS bodova. Kandidati koji završe ovu razinu studija stječu uvjete za upis na diplomski sveučilišni studij arhitekture i urbanizma u okviru oglašene kvote koja se određuje na temelju kapaciteta Fakulteta, a na temelju vrednovanja uspjeha postignutog na sveučilišnom preddiplomskom studiju arhitekture i urbanizma. Preddiplomski sveučilišni studij arhitekture i urbanizma izvodi se u cijelosti na Fakultetu građevinarstva, arhitekture i geodezije Sveučilišta u Splitu, uz sudjelovanje nastavnika Fakulteta kao i nastavnika s drugih visokih učilišta Sveučilišta u Splitu, sveučilišta u Republici Hrvatskoj te inozemnih gostujućih sveučilišnih nastavnika. Nastavni plan sastoji se od obveznog dijela programa te izbornog/fakultativnog dijela programa i usklađen je s europskim sustavom prijenosa bodova (ECTS) po kojem se jednom godinom studija stječe 60 ECTS bodova.

## UNDERGRADUATE UNIVERSITY STUDY PROGRAM IN ARCHITECTURE AND URBAN PLANNING

Undergraduate University Study Program in Architecture and Urban Planning lasts for three academic years or six semesters. Upon completing the Architecture and Urban Planning undergraduate degree program, the student is awarded a Bachelor in Architecture and Urban Planning (B.Arch.) degree. Students of the Undergraduate University Study Program in Architecture and Urban Planning obtain competencies to take associate positions in the disciplines of architecture and urban planning, in accordance with applicable laws and regulations (the Building Act, Physical Planning Act, Act on Physical Planning and Building Tasks and Activities, and others). A Bachelor's degree in Architecture and Urban Planning requires 180 ECTS credits. Candidates who have completed this program meet the admission requirements for enrolling in the Graduate University Study Program in Architecture and Urban Planning within the announced admission quota established based on the Faculty's capacities and evaluation of a candidate's achievement at the Undergraduate University Study Program in Architecture and Urban Planning. The courses of the Bachelor of Architecture and Urban Planning degree program are held entirely at the Faculty of Civil Engineering, Architecture and Geodesy, University of Split. The courses are delivered by the Faculty's professors, in cooperation with lecturers from other higher education institutions of the University of Split, other universities in the Republic of Croatia, and international guest professors. The curriculum consists of an obligatory and an elective part and it is congruent with the European Credit Transfer and Accumulation System (ECTS), according to which students earn 60 ECTS credits per academic year.

## DIPLOMSKI SVEUČILIŠNI STUDIJ ARHITEKTURA I URBANIZAM

Diplomski sveučilišni studij Arhitektura i urbanizam izvodi se na Fakultetu građevinarstva, arhitekture i geodezije Sveučilišta u Splitu i traje dvije akademske godine (četiri semestra). Završetkom diplomskog sveučilišnog studija arhitekture i urbanizma stječe se akademski naziv magistar/magistra, inženjer/inženjerka arhitekture i urbanizma. Magistri/magistre, inženjeri/inženjerke arhitekture i urbanizma osposobljeni su za sve poslove u području arhitektonske i urbanističke djelatnosti u skladu sa Zakonom o gradnji, Zakonom o prostornom uređenju, Zakonom o poslovima i djelatnostima prostornog uređenja i gradnje i dr. (kompetencije koje po dosadašnjim zakonima odgovaraju zvanju diplomirani inženjer arhitekture), kao što su:

- izrada arhitektonskih projekata i poslovi vezani za funkciju glavnog projektanta (u skladu sa zakonom)
- izrada dokumenata prostornog uređenja
- izrada projektne dokumentacije na području zaštite i obnove graditeljskog naslijeđa
- poslovi vezani uz konzalting i inženjering u graditeljstvu (upravljanje projektima, programiranje, projektne i programske studije, investicijske studije, stručni nadzor nad izvođenjem, rukovođenje gradilištem i organizacijom građenja)
- rad u stručnim službama lokalne i državne uprave
- nastavni rad na srednjoškolskoj i visokoškolskoj razini
- ostali poslovi.

Na diplomskom sveučilišnom studiju arhitekture i urbanizma stječe se 120 ECTS bodova. Kandidati koji završe diplomski sveučilišni studij arhitekture i urbanizma stječu uvjete za upis na poslijediplomski sveučilišni studij arhitekture (doktorski) na visokim učilištima koja provode taj studij. Diplomski sveučilišni studij arhitekture i urbanizma izvodi se u cijelosti na Fakultetu građevinarstva, arhitekture i geodezije Sveučilišta u Splitu uz sudjelovanje nastavnika Fakulteta kao i nastavnika s drugih visokih učilišta Sveučilišta u Splitu, sveučilišta u Republici Hrvatskoj te inozemnih gostujućih sveučilišnih nastavnika. Nastavni plan sastoji se od obveznog dijela programa te izbornog/fakultativnog dijela programa i usklađen je s europskim sustavom prijenosa bodova (ECTS) po kojem se jednom godinom studija stječe 60 ECTS bodova.

## GRADUATE UNIVERSITY STUDY PROGRAM IN ARCHITECTURE AND URBAN PLANNING

The Faculty of Civil Engineering, Architecture and Geodesy, University of Split, offers a two-year (four-semester) Graduate University Study Program in Architecture and Urban Planning. Students who complete the graduate degree program in Architecture and Urban Planning are awarded the title of Master in Architecture and Urban Planning (M.Sc. Arch.). Holders of a master's degree in architecture and urban planning are qualified for taking up all positions and tasks in the disciplines of architecture and urban planning in accordance with the Building Act, Physical Planning Act, Act on Physical Planning and Building Tasks and Activities, and others, (i.e., the Master's degree qualifications within the Bologna educational system correspond to the former Master of Architecture degree). A holder of a master's degree in architecture and urban planning is, therefore, qualified for the following tasks and positions:

- Development of architectural designs and tasks appropriate for the function of a chief architect (in accordance with the law);
- Preparation of documentation for urban planning;
- Preparation of project documentation related to the protection and restoration of architectural heritage;
- Consultancy and engineering positions in civil engineering (project management, programming, project and program studies, investment studies, professional construction supervision, construction site management, and construction management);
- Positions in various professional services and offices of the local and state administration;
- Teaching positions at a secondary school level or higher levels of education;
- Other positions.

The graduate university degree program in Architecture and Urban Planning is a two-year, 120 ECTS credits program. The program's curriculum consists of the obligatory and elective parts, and it is in harmony with the European Credit Transfer and Accumulation System (ECTS), according to which students take 60 ECTS credits per academic year. Upon completing the graduate university degree program in Architecture and Urban Planning, candidates meet the admission requirements for a postgraduate (doctoral) degree program in Architecture at all higher education institutions that offer doctoral programs in Architecture. The courses of the graduate university degree program in Architecture and Urban Planning are held entirely at the Faculty of Civil Engineering, Architecture and Geodesy of the University of Split, with the participation of the home institution professors and lecturers, as well as professors/lecturers from other institutions of the University of Split, other universities in the Republic of Croatia and international guest professors.

# STUDIJ GEODEZIJE I GEOINFORMATIKE / STUDY OF GEODESY AND GEOINFORMATICS

Preddiplomski sveučilišni studij geodezije i geoinformatike izvodi se na Fakultetu građevinarstva, arhitekture i geodezije Sveučilišta u Splitu i traje tri akademske godine (šest semestara). Završetkom preddiplomskog sveučilišnog studija geodezije i geoinformatike stječe se akademski naziv sveučilišni prvostupnik/prvostupnica (baccalaureus/baccalaurea), inženjer/inženjerka geodezije i geoinformatike. Sveučilišni prvostupnik/prvostupnica, inženjer/inženjerka geodezije i geoinformatike osposobljen/osposobljena je za sve poslove u području geodetske djelatnosti u skladu s odgovarajućom zakonskom regulativom (Zakon o obavljanju geodetske djelatnosti, Zakon o državnoj izmjeri i katastru nekretnina i dr.).

Kompetencije koje se stječu:

- vrjednovati mjerne metode, tehnologije, metode računske obrade i vizualizacije mjerenja i geopodataka
- kritički prosuđivati i predložiti rješenja za upisnik nekretnina, mjere uređenja zemljišta i metode vrednovanja zemljišta
- samostalno tumačiti zakone i propise koji uređuju geodetske i geoinformatičke poslove
- predlagati i primijeniti matematičke i fizikalne metode u rješavanju nestandardnih geodetskih i geoinformatičkih zadataka
- samostalno rukovati i ispitivati ispravnost geodetskih instrumenata i mjernog pribora
- samostalno izvoditi geodetska mjerenja i procijeniti njihovu kvalitetu
- planirati i samostalno izvoditi geodetske radove na poslovima državne izmjere, održavanja upisnika nekretnina, izgradnje građevina te vrednovanja i upravljanja nekretninama
- projektirati i samostalno izradivati planove i karte te geoprostorne analize
- samostalno održavati geoprostorne baze podataka i geografske informacijske sustave
- predložiti primjenu novo razvijenih informatičkih tehnologija u prikupljanju, obradi i upravljanju podacima
- razlučiti izvore i prirode pogrešaka u geodetskim mjeranjima ili računskoj obradi podataka te odabrati metodu za njihovo uklanjanje
- komunicirati sa strankama te geodetskim i srodnim stručnjacima u svrhu tumačenja propisa, standarda i normi, interpretiranja rezultata te sprječavanja mogućih nesporazuma
- organizirati timski rad na uredskim i terenskim poslovima u slučajevima kada je zadatak složeniji, ima veći obim ili dulje trajanje

The Faculty of Civil Engineering; Architecture and Geodesy, University of Split, offers a three-year (six-semester) Undergraduate University Study Program in Geodesy and Geoinformatics. Upon completing the undergraduate program, students are awarded the Bachelor of Science in Geodesy and Geoinformatics (B.Sc.Geod. and Geoinf.) degree. Holders of a bachelor's degree in geodesy and geoinformatics have the skills and competencies for all types of work in the disciplines of geodesy and geoinformatics, in accordance with applicable laws and regulations (Law on Geodetic Activities, Law on State Survey and Real Estate Cadastre, and others).

The Bachelor of Science in Geodesy and Geoinformatics is able to:

- Evaluate measurement methods, technologies, methods of computational processing, and visualization of measurements and geospatial data;
- Critically evaluate and propose solutions for a cadastre, land management measures, and land evaluation methods;
- Independently interpret laws and regulations governing geodetic and geoinformatics affairs;
- Propose and apply mathematical and physical methods in solving non-standard geodetic and geoinformatics problems;
- Independently utilize geodetic instruments and measuring equipment and examine their functionality;
- Independently perform geodetic measurements and assess their quality;
- Plan and independently perform geodetic work related to state surveying, the maintenance and update of cadastral data, construction of buildings, and real estate valuation and management;
- Design and independently make plans, maps, and geospatial analyses;
- Independently maintain geospatial databases and geographic information systems;
- Propose the application of newly developed information technologies in data collection, processing, and management;
- Distinguish the sources and nature of errors in geodetic measurements or computational data processing and choose the method for their elimination;
- Disseminate the interpretation of regulations, standards, norms, and results to clients, colleague surveyors, and experts from alike scientific fields to prevent possible misunderstandings;
- Organize office teamwork and fieldwork in cases where the given task is rather complex, has a more extensive scope, or longer duration;

- vrjednovati i planirati profesionalni razvoj članova stručnog tima u uvjetima intenzivnog razvoja tehnologija i usluga, pravnog okvira te strukovnih normi i standarda.

Na preddiplomskom sveučilišnom studiju geodezije i geoinformatike stječe se 180 ECTS bodova. Kandidati koji završe ovu razinu studija stječu uvjet za upis na diplomski sveučilišni studij geodezije i geoinformatike. Preddiplomski sveučilišni studij geodezije i geoinformatike izvodi se u cijelosti na Fakultetu građevinarstva, arhitekture i geodezije Sveučilišta u Splitu. Nastavni plan sastoji se od obveznog dijela programa te izbornog/fakultativnog dijela programa i usklađen je s europskim sustavom prijenosa bodova (ECTS) po kojem se jednom godinom studija stječe 60 ECTS bodova.

- Assess and lay plans for the professional development of team members under conditions of intensive development of technologies and services, legal framework, and professional norms and standards.

The student takes a minimum of 180 ECTS credits to earn a Bachelor's degree at the Undergraduate University Study Program in Geodesy and Geoinformatics. The program's curriculum consists of a compulsory and an elective part. It is in harmony with the European Credit Transfer and Accumulation System (ECTS), according to which the student takes 60 ECTS credits per academic year. The courses of the undergraduate program in geodesy and geoinformatics are held entirely at the Faculty of Civil Engineering, Architecture and Geodesy, University of Split. Candidates who have completed this program and received a bachelor's degree meet the admission requirements for a graduate degree program in geodesy and geoinformatics.

## ODBOR ZA UNAPRJEĐENJE KVALITETE / QUALITY ASSURANCE COMMITTEE

Cilj izgradnje sustava za unprjeđenje i održavanje kvalitete formiranje je institucionalnog mehanizma za kontinuirano i sustavno praćenje, vrednovanje i poboljšanje znanstvene i nastavne djelatnosti te promicanje visokih standarda profesionalnog i stručnog razvoja svih dionika u okviru svih područja djelovanja Fakulteta. Fakultet danas ima Politiku kvalitete, Pravilnik sustava za osiguranje kvalitete, Priručnik za osiguravanje i unaprjeđivanje kvalitete, Pravilnik o postupku unutarnje periodične prosudbe sustava osiguranja kvalitete kao i jasno definiranu strategiju sustava osiguranja kvalitete koja je razvijena na osnovu Standarda i smjernica za osiguravanje kvalitete u europskom prostoru visokog obrazovanja (Standards and Guidelines for Quality Assurance in the European Higher Education Area) po ugledu na prestižna svjetska sveučilišta. Tijela koje se kontinuirano bave područjem osiguranja kvalitete su: Odbor za upravljanje i unaprjeđenje kvalitete te njegove sastavnice, Povjerenstvo za studentska pitanja, Povjerenstvo za kontrolu kvalitete nastave, Povjerenstvo za unutarnju prosudbu sustava, Stegovno povjerenstvo za odgovornost studenata, Radna skupina za praćenje kvalitete ishoda učenja na Fakultetu, Povjerenstvo za poslijediplomski sveučilišni studij građevinarstva i Stegovno povjerenstvo. Sve navedene skupine imaju zajednički ciljeve: podizanje svijesti studenata o važnosti kvalitetnog studiranja, podizanje kvalitete znanja studenata koji završe ovaj fakultet i usklađivanje s potrebama tržišta, osuvremenjivanje nastavnih procesa, težnja za znanstvenom izvrsnošću i prepoznatljivošću te osiguranje stalne stručne podrške kod izrade projekata visoke složenosti u ovoj regiji. Kako bi suradnja svih naših studenata s navedenim tijelima bila što bolja i izravnija, kontinuirano se održavaju sastanci studenata i članova pojedinih tijela koja se kontinuirano bave područjem osiguranja kvalitete, a formirana je i posebna mail adresa [nastava@gradst.hr](mailto:nastava@gradst.hr) putem koje se studenti mogu obratiti pisanim putem i iznijeti primjedbe, prijedloge, zahtjeve i probleme vezane uz nastavni proces i kvalitetu studiranja.

The motivation behind establishing a quality assurance system is the formation of a standardized mechanism for continuous and systematic monitoring, evaluation, and improvement of scientific and academic activities and promoting high standards of professional development of all parties involved in all areas of the Faculty's activities. Today, the Faculty has a Quality Policy, Quality Assurance System Regulation, Guidelines for Quality Assurance and Advancement, Regulation on the Procedure of Internal Periodic Assessment of the Quality Assurance System, as well as a clearly defined strategy of quality assurance developed based on the Standards and Guidelines for Quality Assurance in the European Higher Education Area, and following prestigious international universities. The bodies that continually sustain and promote quality assurance at the Faculty are the Quality Management and Advancement Committee and its constituents: the Student Affairs Committee, Teaching Quality Assurance Committee, Internal Quality Assessment Committee, Student Disciplinary Committee, Working Group for the Monitoring of the Quality of Learning Outcomes, Committee for the Postgraduate University Degree Program in Civil Engineering, and Disciplinary Committee. All the mentioned committees have the following common goals: raising students' awareness on the importance of the quality of study programs, of the knowledge and skills acquired by the Faculty graduates, alignment of the programs with the market needs, modernization of the education processes, pursuing scientific excellence and recognition, and the assurance of permanent professional support during the development of complex projects in the region. To make the cooperation between students and the abovementioned bodies as effective as possible, students and committee members meet regularly and work continuously on quality assurance concerns. Students may freely submit their potential complaints or requests, offer suggestions, and voice their problems regarding the quality of the educational process and courses to an e-mail address ([nastava@gradst.hr](mailto:nastava@gradst.hr)) created specifically for that purpose.

## LJETNA ŠKOLA / SUMMER SCHOOL

Na FGAG-u posljednjih se pet godina održava međunarodna ljetna škola *Split Summer School* (STSS). Inicijator i prvi voditelj Škole bila je prof. dr. sc. Mirela Galić, a 2020. g. je zbog pandemije prvi put održana u cijelosti online pod vodstvom prodekana za znanost izv. prof. dr.sc. Nene Torića.

Škola je akreditirana kao dio programa cjeloživotnog obrazovanja, osmišljena kao niz edukacijskih modula koji su koncipirani tako da obrade temu ili metodu koja svojom zahtjevnosti odgovara 7. razini definiranoj prema Europskom kvalifikacijskom okviru (EQF). To podrazumijeva složenost programa primjerenu studentima završne godine diplomskih studija, studentima doktorskih studija ili je dio cjeloživotnog obrazovanja stručnjaka iz područja građevinarstva, arhitekture i geodezije.

Nastava se izvodi na engleskom jeziku u suradnji s predavačima s inozemnih sveučilišta te partnerima iz gospodarstva. Polaznici su iz cijeloga svijeta, pa je Fakultet u proteklom periodu u okviru ove Škole ugostio polaznike iz više od 20 zemalja koji su pohađali module posvećene temama poput primjene BIM-a u građevinarstvu, strojarstvu i arhitekturi, GIS-a, obalnom inženjerstvu, požarnom inženjerstvu, module posvećenim numeričkim metodama i računalnom modeliranju te razne arhitektonske radionice. Kvaliteta ponuđenih sadržaja, dobri predavači, praktična primjena znanstvenih istraživanja i različitih novih metoda najvažnije su reference ove Škole po kojima želi biti prepoznata i zbog kojih će je polaznici birati.

Over the last five years FGAG has been hosting the international summer school known as the Split Summer School (STSS). Professor Mirela Galić initiated and led the school in its early years, but in 2020, due to the pandemic, it was held entirely online and overseen by the Vice Dean for Science and Associate Professor Neno Torić.

The School is accredited as a part of the lifelong learning program and is structured as a series of educational modules that cover a complex topic aligned with the 7th level of the European Qualifications Framework (EQF). Consequently, the program is suitable for senior graduate students, doctoral students, or professionals in the fields of civil engineering, architecture, and geodesy who seek challenging learning opportunities.

Classes are taught in English and held in collaboration with external university lecturers and industry partners. Last year reported attendance from over twenty countries, and the modules covered topics such as BIM in civil engineering, GIS, coastal and mechanical engineering, numerical methods, computer modelling, and architecture. What makes the STSS a consistently sought-after option is the quality of content, knowledgeable lecturers, practical application of scientific research, and innovative methods.



# UDŽBENICI I MONOGRAFIJE TEXTBOOKS AND MONOGRAPHS

Djelatnost Fakulteta vezana je i za iznimno bogatu izdavačku djelatnost. Ovdje su navedeni udžbenici i monografije u kojima je izdavač/suizdavač Fakultet ili su autori/suautori djelatnici Fakulteta.

Actions of the faculty are also tied to very opulent publishing activities. This is a list of textbooks and monographs that were published/co-published by the Faculty or authored/co-authored by Faculty staff members.



**Iz prapočetaka Trogira : zaštitna arheološka istraživanja u sklopu palače Garagnin-Fanfogna (Muzej grada Trogira) 1978.- 1980. godine**  
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Sveučilište u Splitu, Fakultet građevinarstva, arhitekture i geodezije, 2021.  
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Josip Belamarić, Dražen Pejković, Ana Šverko, studenti IUP, students UPB 2012./2013., 2013./2014  
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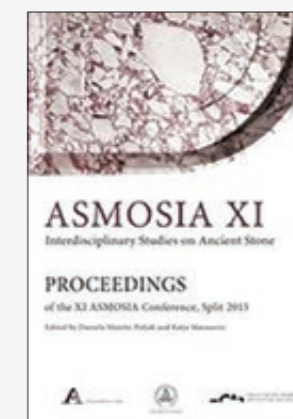
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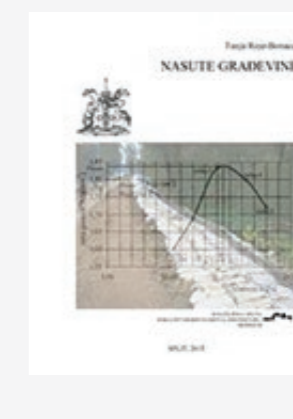
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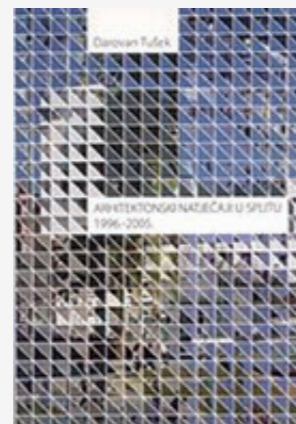
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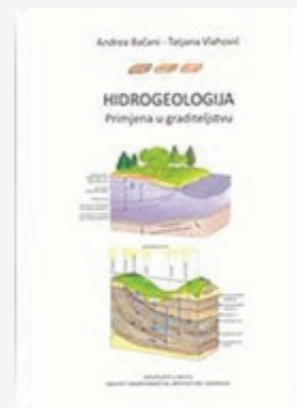
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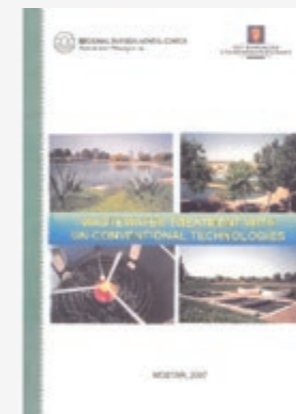
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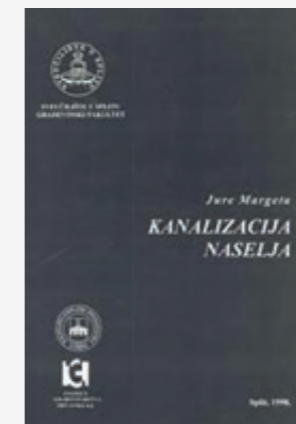
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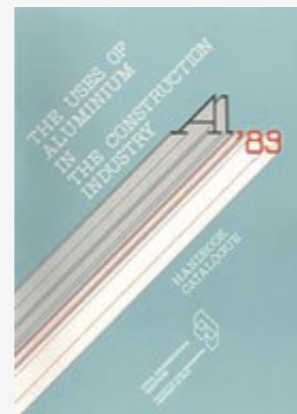
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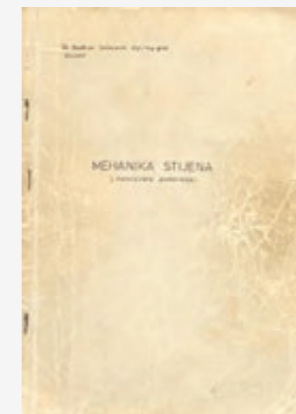
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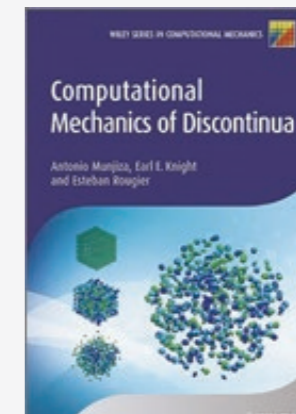
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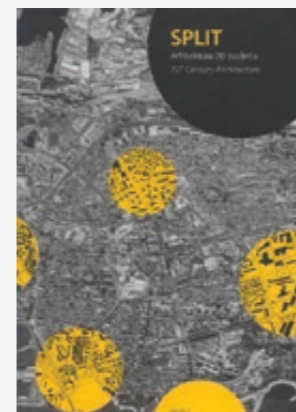
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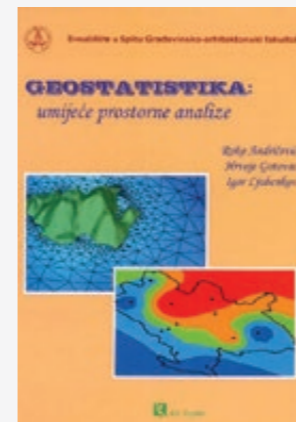
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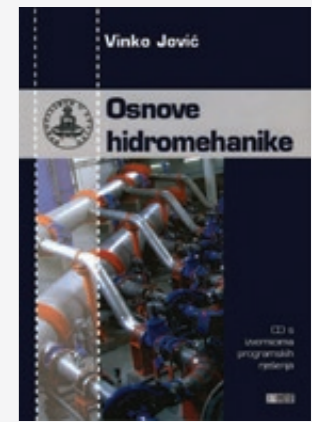
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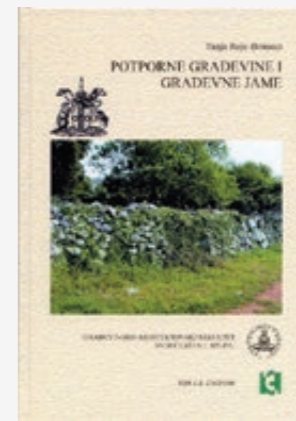
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Tanja Roje-Bonacci  
Izdavači: Građevinsko-arhitektonski fakultet Sveučilišta u Splitu; IGH Zagreb 2005.



**SPREGNUTE KONSTRUKCIJE: Numerički model za analizu pod kratkotrajnim mirnim opterećenjem**  
Jure Radnić, Alen Harapin, Dragan Čubela  
Izdavač: Građevinsko-arhitektonski fakultet Sveučilišta u Splitu 2005.





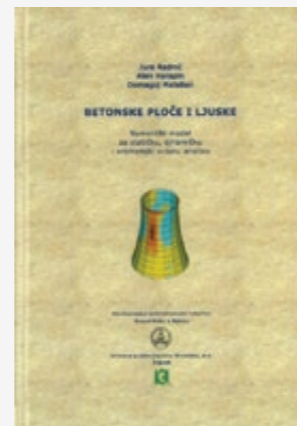
**RASPUCAVANJE BETONA:**  
Numerički model proračuna širina pukotina savijanih betonskih konstrukcija  
Jure Radnić, Alen Harapin, Lada Markota  
Izdavač: Građevinsko-arhitektonski fakultet Sveučilišta u Splitu  
2005.



**POMAK PREMA CRNOM:**  
Kronike i polemike  
Ivo Babić  
Izdavač: EX LIBRIS, Split-Zagreb  
2005.



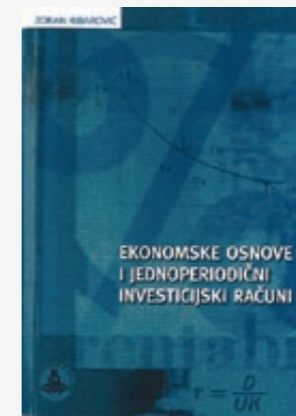
**Trogir**  
Ivo Babić  
Izdavač: Trogir tisak, Trogir  
2005.



**BETONSKE PLOČE I LJUSKE:**  
Numerički model za statičku, dinamičku i vremenski ovisnu analizu  
Jure Radnić, Alen Harapin, Domagoj Matešan  
Izdavači: Građevinsko-arhitektonski fakultet u Sveučilišta u Splitu; IGH Zagreb,  
2004.



**UVOD U TEORIJU SIGURNOSTI NOSIVIH KONSTRUKCIJA**  
Vuk Milčić, Bernardin Peroš  
Izdavač: Građevinski fakultet Sveučilišta u Splitu  
2003.



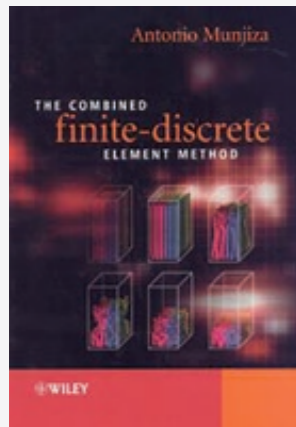
**MEHANIKA TLA, 3. izd.**  
Tanja Roje-Bonacci  
Izdavač: Sveučilište u Splitu, Građevinsko-arhitektonski fakultet  
2007.



**OBORINSKE I OTPADNE VODE: teret onečišćenja, mjere zaštite**  
Jure Margeta  
Izdavač: Sveučilište u Splitu, Građevinsko-arhitektonski fakultet  
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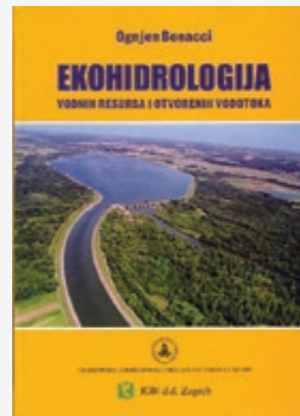
**SPLITSKA ŠKOLA ZA DIZAJN: Uobličavanje strukovne risarske škole u Splitu 1907.**  
Ivana Šverko  
Izdavač: Književni krug, Split  
2003.



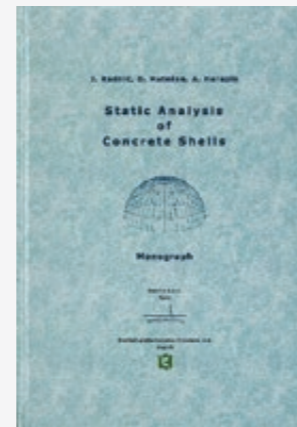
**THE COMBINED FINITE-DISCRETE ELEMENT METHOD**  
Ante Munjiza  
Izdavač: John Wiley & Sons, Ltd., England  
2004.



**UVOD U INŽENJERSKU MEHANIKU STIJENA**  
Predrag Mišević  
Izdavači: Građevinsko-arhitektonski fakultet Sveučilišta u Splitu; IGH d.d. PC Split  
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**EKOHIDROLOGIJA VODNIH RESURSA I OTVORENIH VODOTOKA**  
Ognjen Bonacci  
Izdavač: Građevinsko-arhitektonski fakultet Sveučilišta u Splitu  
2004.



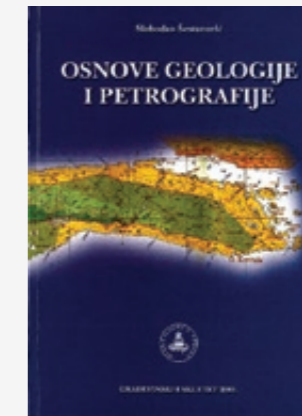
**STATIC ANALYSIS OF CONCRETE SHELLS**  
Jure Radnić, Alen Harapin, Domagoj Matešan  
Izdavač: Radnić d.o.o. Split  
2003.



**O DIZAJNU**  
Ivana Šverko  
Izdavač: Umjetnička akademija Sveučilišta u Splitu  
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**ČOVJEK, METAFORA, SPOZNAJA**  
Zjena Čulić  
Izdavač: Književni krug  
2003.



**OSNOVE GEOLOGIJE I PETROGRAFIJE, 4. izd.**  
Slobodan Šestanović  
Izdavač: Građevinski fakultet Sveučilišta u Splitu  
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**DINKO VESANOVIĆ**  
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Izdavač: Društvo arhitekata Splita  
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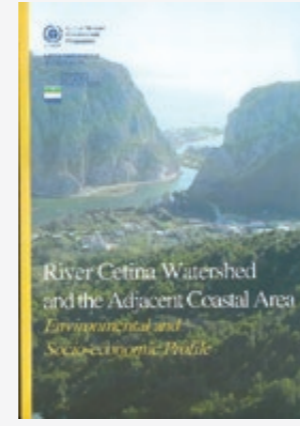
**30 godina Građevinskog fakulteta u Splitu 1971.-2001.**  
Glavni urednik: Bernardin Peroš  
Izdavač: Građevinski fakultet Sveučilišta u Splitu  
2001.



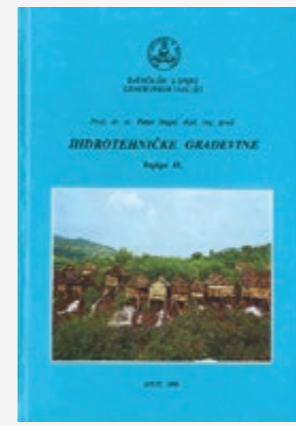
**UVOD U NUMERIČKO MODELIRANJE PROSTORNIH KONSTRUKCIJA**  
Blaž Gotovac, Vedrana Kozulić, Ivo Čolak  
Izdavač: Sveučilište u Mostaru  
2001.



**SVOJSTVA I TEHNOLOGIJA BETONA**  
Petar Krstulović  
Izdavači: Građevinski fakultet Sveučilišta u Splitu; Institut građevinarstva Hrvatske, Poslovni centar Split  
2000.



**RIVER CETINA WATERSHED AND THE ADJACENT COASTAL AREA**  
Jure Margeta, Maja Madiraca, Gordana Bubić, Ante Barić i drugi  
Izdavač: UNEP/MAP Priority Action Programme, Split  
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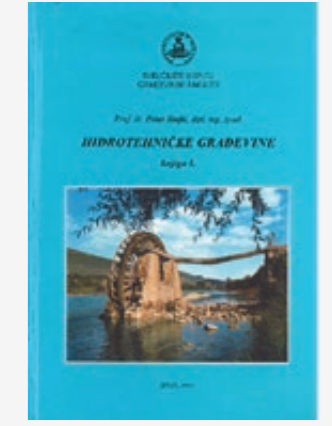
**HIDROTEHNIČKE GRAĐEVINE, knjiga II.**  
Petar Stojić  
Izdavač: Građevinski fakultet Sveučilišta u Splitu  
1998.



**UPORABNA NAPREZANJA PRAVOKUTNIH AB PRESJEKA**  
Jure Radnić, Alen Harapin  
Izdavači: Građevinski fakultet Sveučilišta u Splitu; Radnić d.o.o. Split  
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**20 godina Građevinskog fakulteta u Splitu i 26 godina visokoškolskog obrazovanja građevinaru u Splitu**  
Glavni urednik: Slobodan Šestanović  
Izdavač: Građevinski fakultet Sveučilišta u Splitu  
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Petar Stojić  
Izdavač: Građevinski fakultet Sveučilišta u Splitu  
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**MATEMATIKA 1: riješeni zadaci**  
Slobodan Pavasović, Tonči Radelja, Senka Banić, Pina Milišić  
Izdavač: Građevinski fakultet Sveučilišta u Splitu  
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**SMJERNICE ZA INTEGRALNI PRISTUP RAZVOJU, GOSPODARENJU I KORIŠTENJU VODNIH RESURSA**  
Jure Margeta, Ernest Azzopardi, Iacovos Iacovides  
Izdavač: UNEP MAP/PAP, Split, 1999.



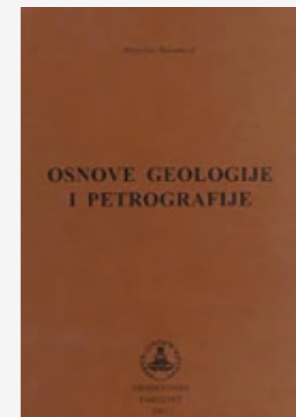
**HIDROTEHNIČKE GRAĐEVINE, knjiga III.**  
Petar Stojić  
Izdavač: Građevinski fakultet Sveučilišta u Splitu  
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**ZBIRKA RIJEŠENIH ZADATAKA IZ MEHANIKE TLA, 2. dop. izd.**  
Predrag Mišćević  
Izdavač: Građevinski fakultet Sveučilišta u Splitu  
1999.



**POTPUNO ARMIRANE LAKOBETONSKE KONSTRUKCIJE**  
Ante Mihanović, Zvonko Rak  
Izdavač: Građevinski fakultet Sveučilišta u Splitu, 1997.



**OSNOVE GEOLOGIJE I PETROGRAFIJE**  
Slobodan Šestanović  
Izdavač: Građevinski fakultet Sveučilišta u Splitu  
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**TEMELJENJE**  
Tanja Roje-Bonacci, Predrag Mišćević  
Izdavači: Građevinski fakultet Sveučilišta u Splitu; Građevinski fakultet Sveučilišta J. J. Strossmayera u Osijeku  
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**INTEGRATED APPROACH to development, management and use of water resources**  
Jure Margeta, Ernest Azzopardi, Iacovos Iacovides  
Izdavač: UNEP MAP/PAP, Atena  
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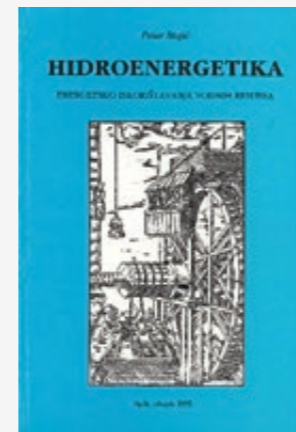
**L'URBANISME DALMATE**  
Ivo Babić  
Izdavač: PEN Centre Croate,  
Zagreb  
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**ARHITEKTONSKI NATJEČAJI U SPLITU 1945.-1995.**  
Darovan Tušek  
Izdavači: Društvo arhitekata Splita; Građevinski fakultet Sveučilišta u Splitu  
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**DINAMIKA KONSTRUKCIJA**  
Ante Mihanović  
Izdavač:  
Građevinski fakultet Sveučilišta u Splitu  
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**HIDROENERGETIKA: Energetsko iskorištavanje vodnih resursa**  
Petar Stojić  
Izdavač:  
Građevinski fakultet Sveučilišta u Splitu  
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Tanja Roje-Bonacci  
Izdavač:  
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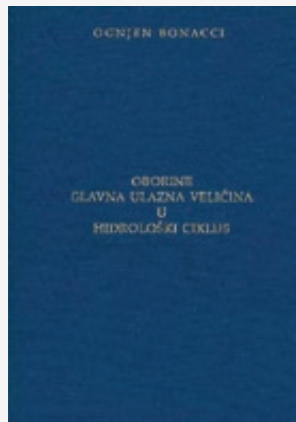
**OD UBAVOG DO GUBAVOG: Eseji, polemike i članci**  
Ivo Babić  
Izdavač: Književni krug Split,  
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**NELINEARNI PRORAČUNI ARMIRANO BETONSKIH KONSTRUKCIJA**  
Ante Mihanović, Pavao Marović, Josip Dvornik  
Izdavač: DHGK, Zagreb, 1993.



**STABILNOST KONSTRUKCIJA**  
Ante Mihanović  
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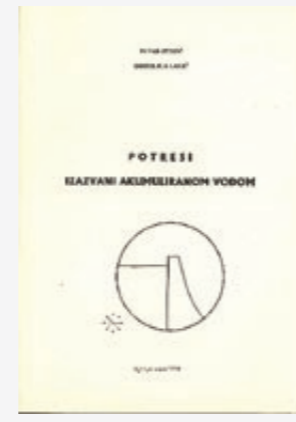
**OBORINE: Glavna ulazna veličina u hidrološki ciklus**  
Ognjen Bonacci  
Izdavač:  
Geing d.o.o. Split  
1994.



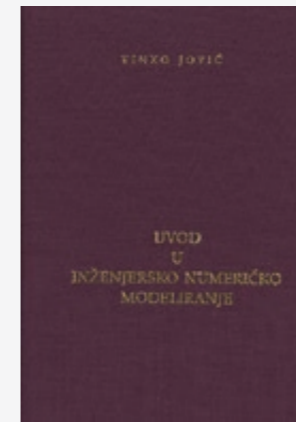
**ARHITEKTONSKI NATJEČAJI U SPLITU 1918.-1941.**  
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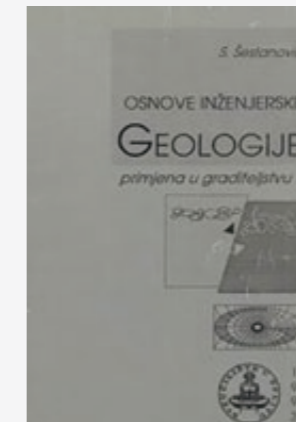
**PROJEKTIRANJE I GRAĐENJE ŽELJEZNIČKIH PRUGA**  
Duško Marušić  
Izdavač:  
Građevinski fakultet Sveučilišta u Splitu  
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**POTRESI IZAZVANI AKUMULIRANOM VODOM**  
Petar Stojić, Rodoljub Lalić  
Izdavač:  
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**UVOD U INŽENJERSKO NUMERIČKO MODELIRANJE**  
Vinko Jović  
Izdavač:  
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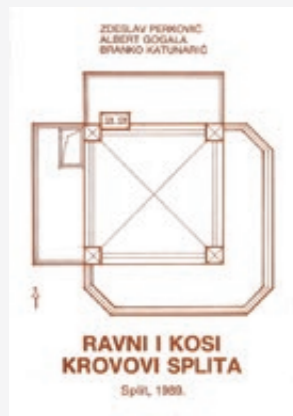
**OSNOVE INŽENJERSKE GEOLOGIJE: primjena u graditeljstvu**  
Slobodan Šestanović  
Izdavač: GEING d.o.o. Split  
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**OSNOVE GOSPODARENJA VODAMA**  
Jure Margeta  
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Ivo Babić  
Izdavač: Zavičajni muzej Kaštela - Kaštel Novi, 1991.



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Izdavač: Samoupravna interesna zajednica u oblasti stanovanja na području općine Split  
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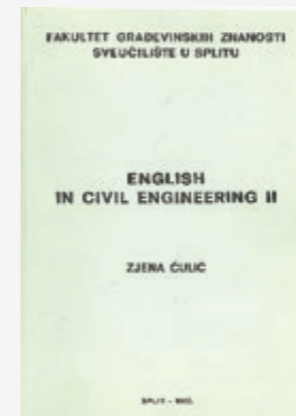
**ARHITEKTURA DALMATINSKIH KAZALIŠTA: s posebnim osvrtom na splitski teatar**  
Zdeslav Perković  
Izdavač: Logos Split  
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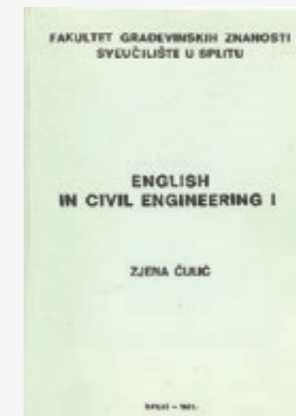
**FIZIKA II: elektromagnetizam, optika, atomi i molekule, kondenzirano stanje, atomska jezgra i osnovne čestice**  
Srećko Kilić, T. Persi  
Izdavači: FGZ Sveučilišta u Splitu; FGZ Sveučilišta "Vladimir Bakarić" u Rijeci  
1988.



**UVOD U METALNE KONSTRUKCIJE**  
Ante Vukov  
Izdavač: Fakultet građevinskih znanosti Sveučilišta u Splitu  
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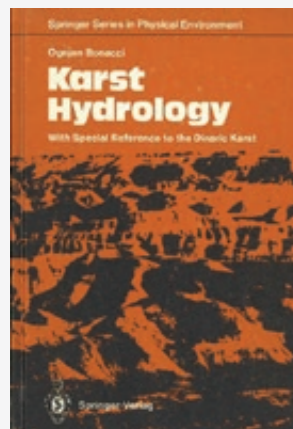
**ENGLISH IN CIVIL ENGINEERING II**  
Zjena Čulić  
Izdavač: Fakultet građevinskih znanosti Sveučilišta u Splitu  
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**ENGLISH IN CIVIL ENGINEERING I**  
Zjena Čulić  
Izdavač: Fakultet građevinskih znanosti Sveučilišta u Splitu  
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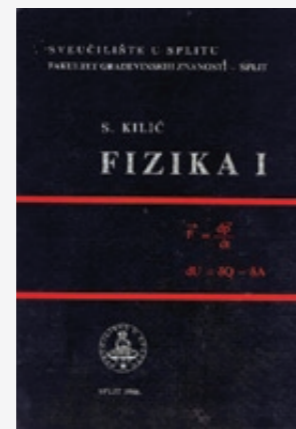
**OSNOVNI ELEMENTI ZA PLANIRANJE I PROJEKTIRANJE GRADSKIH PROMETNICA**  
Ivo Lozić, Stanislav Tedeschi  
Izdavači: Zavod za izgradnju, Split; Fakultet građevinskih znanosti, Split,  
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**KARST HYDROLOGY: With Special Reference to the Dinaric Karst**  
Ognjen Bonacci  
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**OSNOVE GEOLOGIJE I PETROGRAFIJE - Primjena u građevinarstvu**  
Slobodan Šestanović  
Izdavač: Školska knjiga Zagreb  
1986.



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Srećko Kilić  
Izdavač: Fakultet građevinskih znanosti Sveučilišta u Splitu, 1986.



**OPSKRBA VODOM 1. DIO: sistemi i količine**  
Jure Margeta  
Izdavač: Fakultet građevinskih znanosti Sveučilišta u Splitu  
1985.

# ZNANSTVENO-ISTRAŽIVAČKA DJELATNOST / SCIENTIFIC RESEARCH

Znanstveno-istraživačka djelatnost je od osnivanja Fakulteta 70-tih godina prisutna kao glavni pokretač razvoja studijskih programa i znanstveno-istraživačke infrastrukture Fakulteta. Znanstvena prepoznatljivost Fakulteta u 21. stoljeću očituje se u razvoju jedanaest specijaliziranih laboratorija koji su opremljeni novom znanstveno-istraživačkom opremom u vrijednosti od 40 milijuna kuna kao i novim organizacijskim ustrojem u smislu izdvajanja znanstvenog rada Fakulteta kao zasebne organizacijske strukture. Dosadašnje znanstvene reference u smislu odobrenih znanstvenih projekata financiranih od strane Europske unije i republike Hrvatske svrstavaju Fakultet među vodeće fakultete iz područja tehničkih znanosti u Hrvatskoj i regiji. Znanstveni rad je u uskoj svezi sa stručnim radom kojeg provodi Fakultet što je rezultiralo ne samo relevantnošću znanstvenog djelovanja, nego i projektiranjem i izgradnjom velikog broja značajnih građevinskih objekata i zahvata zbog čega Fakultet predstavlja instituciju koja je oslonac stručne i znanstvene izvrsnosti u gospodarstvu i privredi. Nakon 50 godina djelovanja Fakultet se, pored izuzetno razvijene mreže istraživača iz područja tehničkih znanosti, polako razvija i u provođenju istraživanja u interdisciplinarnom području znanosti koje kombinira polja arhitekture i geodezije u više različitih interdisciplinarnih istraživačkih tema.

From the very beginning, Scientific research was one of the driving forces of this Faculty. Smaller group of young people in the a970s, with the help of the Faculty of Civil Engineering in Zagreb profiled itself, especially in the field of hydrotechnics and constructions using numerical methods as a trademark of their scientific work. Today the Faculty is especially recognised for hydrology of karst, hydraulics of groundwater, construction theory and development of computer mechanics. Our references place us amongst the leading technical science faculties in Croatia and the region. It should be noted that scientific work is in close relation with professional work which resulted not only with relevance of our scientific work but it also resulted in the design and construction of numerous significant construction objects and undertakings which is why the Faculty represents an institution that is a pillar of professional and scientific excellence. After 40 years of activity we can now say that we have a wide group of researchers from all main civil engineering areas with increasingly significant share of Scientific-artistic work by architects and we have formed a small scientific group in Geodesy. The future holds as since we are expecting further joint growth for all three parts of the Faculty through the multidisciplinary prism and international mobility and cooperation.

## ZNANSTVENO-ISTRAŽIVAČKA I UMJETNIČKA LOGIČKA CJELINA ZA ISTRAŽIVANJA U HIDROTEHNICI

• **VODITELJ ZIU LC /  
HEAD OF THE SARLU:**  
Prof.dr.sc. Hrvoje Gotovac

**ZIU PROJEKTI U SKLOPU ZIU LC /  
SCIENCE AND ARTS RESEARCH (SAR) PROJECTS WITHIN THE SARLU**

• **NAZIV ZIU PROJEKTA /  
SAR PROJECT TITLE:**  
Istraživanja u vodnim resursima i priobalju

• **VODITELJ ZIU PROJEKTA /  
HEAD OF THE SAR PROJECT:**  
Prof.dr.sc. Hrvoje Gotovac

• **SUVODITELJI /  
CO-LEADERS:**  
prof.dr.sc. Roko Andričević,  
doc.dr.sc. Veljko Srzić,  
doc.dr.sc. Ivo Andrić

• **UKRATKO O ZIU PROJEKTU /  
SAR PROJECT DESCRIPTION:**

Projekt istražuje i simulira različite procese iz domene okolišnog inženjerstva. Kroz dostupnu opremu i planirane eksperimente omogućene su izolirane simulacije realnog dubokovodnog vala kao i generiranja strujanja i kombiniranog efekta valnog polja i morskih struja. Dostupni mjerni sustavi omogućuju mjerenje brzine i koncentracije u turbulentnom polju strujanja čime se realiziraju istraživanja u području okolišnog i obalnog inženjerstva, prikupljanje podataka u realnom vremenu te strogo kontrolirana provedba eksperimenata. Nadalje, projekt predviđa istraživanja valovanja u priobalnom području, procese tečenja i pronosa u krškim i drugim vodonosnicima, interakciju podzemnih, površinskih i priobalnih voda te procese zaslanjivanja u obalnom području. Smjer istraživanja nudi odgovore za nove izazove u graditeljskim zahvatima koji značajno utječu na prirodu, te doprinosi u osiguranju održivog razvoja. Tematske cjeline kao što su održivo gospodarenje vodama i navodnjavanje krških polja uvažavajući potrebu prilagodbe klimatskim promjenama i potrebe lokalnog stanovništva, predstavljaju zasigurno neke od najvažnijih pravaca istraživanja u sljedećem razdoblju. Mnogi problemi obalnog inženjerstva, primjerice utjecaj valova na plaže i njihov gubitak pijeska ili određivanje optimalne konstrukcije lukobrana i drugih pomorskih građevina su daljnja aplikativna istraživanja ovog projekta.

*The project explores and simulates various processes in the field of water resources and environmental engineering. The planned research and available equipment enable isolated simulations of natural deep-water waves, the generation of currents, and a combined wave field and sea currents effect. Available measuring systems enable the measurement of velocity and concentration in a turbulent flow field, achieving quality environmental and coastal engineering research, real-time data collection, and strictly controlled implementation of experiments. Furthermore, the project envisages wave research in the coastal area, flow and transport processes in karst and other aquifers, the interaction of groundwater, surface and coastal waters, as well as salinization processes in the*

## SCIENCE AND ARTS RESEARCH LOGICAL UNIT (SARLU) FOR HYDROTECHNICAL ENGINEERING

*coastal area. The field of research offers answers to new challenges in construction projects that significantly affect the coastal ecosystem and contribute to ensuring sustainable development. Thematic units such as sustainable water management and irrigation of karst fields, taking into account the need to adapt to climate change and the needs of the local population, are certainly some of the most critical areas of research in the future. Many coastal engineering problems, such as the impact of waves on beaches and the loss of sand therein or determining the optimal construction of different marine structures, are further applied research of this project.*

• **ISTRAŽIVAČKE TEME ZIU PROJEKTA /  
RESEARCH TOPICS OF THE SAR PROJECT:**

- Analiza tečenja u površinskim i podzemnim tokovima / *Flow analysis in surface and subsurface*
- Analiza pronosa zagađenja i soli u površinskim i podzemnim tokovima / *Salt and pollution transport analysis in surface and subsurface*
- Analiza valovanja i kvalitete mora u obalnom inženjerstvu / *Analysis of wave and water quality in coastal engineering*
- Hidrologija i hidraulika krša / *Karst hydrology and hydraulics*
- Analiza klimatskih promjena na vodne resurse / *Analysis of climate change effects on water resources*

• **ČLANOVI ZIU PROJEKTA /  
MEMBERS OF ZIU PROJECT:**

1. prof.dr.sc. Roko Andričević / Full Professor
2. doc.dr.sc. Ivo Andrić / Assistant Professor
3. doc.dr.sc. Davor Bojanić / Assistant Professor
4. emeritus prof.dr.sc. Ognjen Bonacci / Professor Emeritus
5. emeritus prof.dr.sc. Jure Margeta / Professor Emeritus
6. doc.dr.sc. Vladimir Divić / Assistant Professor
7. dr.sc. Ivan Đepina (postdoc) / Postdoctoral Researcher
8. dr.sc. Morena Galešić (postdoc-asistent) / Postdoctoral Researcher
9. prof.dr.sc. Hrvoje Gotovac / Full Professor
10. izv.prof.dr.sc. Nikša Jajac / Associate Professor
11. prof.dr.sc. Vesna Denić-Jukić / Full Professor
12. prof.dr.sc. Damir Jukić / Full Professor
13. dr.sc. Ana Kadić (postdoc-asistent) / Postdoctoral Researcher
14. dr. sc. Grgo Kamber (postdoc-asistent) / Postdoctoral Researcher
15. dr. sc. Toni Kekez (postdoc-asistent) / Postdoctoral Researcher
16. Ivan Lovrinović (doktorand-asistent) / Postdoctoral Researcher
17. dr. sc. Ivan Racetin (postdoc-asistent) / Postdoctoral Researcher
18. doc.dr.sc. Veljko Srzić / Assistant Professor
19. Krste Živković (doktorand-asistent) / Research Assistant
20. Adrijana Vrsalović (doktorand-asistent) / Research Assistant
21. doc.dr.sc. Katarina Rogulj / Assistant Professor
22. Fanito Pletikosić, (asistent) / Research Assistant
23. Madeleine Eichman, (doktorand-asistent) / Research Assistant
24. Dr. sc. Sathish Kumar V., (postdoc-asistent) / Postdoctoral Researcher
25. Ana Romić, (doktorand-asistent) / Research Assistant

• **POPIS ZNANSTVENIH RADOVA U ZADNJIH 5 GODINA /  
A LIST OF SCIENTIFIC PAPERS PUBLISHED WITHIN  
THE PAST FIVE YEARS**

**2017.**

1. Andrić, Ivo; Bonacci, Ognjen; Jukić, Branimir: Hidrološka mjerenja na Crvenom jezeru u razdoblju od 28. rujna 2013. do 10. rujna 2015., Hrvatske vode : časopis za vodno gospodarstvo, 25(102), 255-260, 2017.
2. Blöschl, Günter; Hall, Julia; Parajka, Juraj; Perdigão, Rui A.P.; Merz, Bruno; Arheimer, Berit; Aronica, Giuseppe T.; Bilibashi, Ardian; Bonacci, Ognjen; Borga, Marco et al.: Changing climate shifts timing of European floods, *Science*, 357(6351), 588-590, 2017.
3. Bonacci, Ognjen; Andrić, Ivo; Roje-Bonacci, Tanja: Hydrological analysis of Skradinski Buk tufa waterfall (Krka River, Dinaric karst, Croatia), *Environmental Earth Sciences*, 76, 669, 14, 2017.
4. Bonacci, Ognjen; Oštrić, Maja; Roje-Bonacci, Tanja: Prilog hidrologiji krškog izvora Rječine, *Hrvatske vode: časopis za vodno gospodarstvo*, 25(100), 99-108, 2017.
5. Bonacci, Ognjen; Roje-Bonacci, Tanja; Željko, Ivana: Usporedba srednje vrijednosti temperature zraka (na različitim vremenskim skalama) izračunata pomoću dvije različite metode, *Hrvatske vode: časopis za vodno gospodarstvo*, 25(101), 169-176, 2017.
6. Đepina, Ivan; Papaioannou, Iason; Straub, Daniel; Eiksund, Gudmund: Coupling the cross-entropy with the line sampling method for risk-based design optimization, *Structural and multidisciplinary optimization*, 55(5), 1589-1612, 2017.
7. Đurin, Bojan; Margeta, Jure: A new concept for using solar photovoltaic energy in urban water supply systems, *Tecnologia y Ciencias del Agua*, 8(6), 47-61, 2017.
8. Grčić, Ivana; Koprivanac, Natalija; Andričević, Roko: Reliability study of laboratory scale water treatment by advanced oxidation processes, *Environmental engineering and management journal*, 16(1), 1-13, 2017.
9. Jajac, Nikša; Rogulj, Katarina; Radnić, Jure: Selection of the Method for Rehabilitation of Historic Bridges-A Decision Support Concept for the Planning of Rehabilitation Projects, *International Journal of Architectural Heritage*, 11(2), 261-277, 2017.
10. Marasović, Katja; Margeta, Jure; Perojević, Snježana; Bojanić, Davor; Katić, Miroslav: The aqueduct of the Roman town Salona – Croatia, *Water Science and Technology-Water Supply*, 17(4), 929-939, 2017.
11. Margeta, Jure; Đurin, Bojan: Innovative approach for achieving sustainable urban water supply system by using solar photovoltaic energy, *Ingeniería e Investigación*, 37(1), 58-67, 2017.
12. Margeta, Jure; Đurin, Bojan: Multi-criteria approach in solar urban water supply systems, *Proceedings of the institution of civil engineers-water management*, 170(6), 273-286, 2017.
13. Rogulj, Katarina; Jajac, Nikša; Šimić, Franjo: Decision Support Concept for a construction design project - selecting the type of glass façade, *Croatian operational research review*, 8(1), 333-350, 2017.
14. Tavra, Marina; Jajac, Nikša; Cetl, Vlado: Marine Spatial Data Infrastructure Development Framework: Croatia Case Study, *ISPRS International Journal of Geo-Information*, 6(4), 117, 17, 2017.

**2018.**

1. Andričević, Roko; Galešić, Morena: Contaminant dilution measure for the solute transport in an estuary, *Advances in water resources*, 117, 65-74, 2018.

2. Batinić, Milko; Galić, Mirela; Trogrlić, Boris; Divić, Vladimir; Racetin, Ivan; Mihanović, Ante: Combined photogrammetry and mechanical testing of fired clay brick, *Materialwissenschaft und Werkstofftechnik*, 49, 1399-1408, 2018.
3. Bonacci, Ognjen; Andrić, Ivo; Roje-Bonacci, Tanja: Increasing trends of air temperature in urban area: a case study from four stations in zagreb city area, *Vodoprivreda*, 50(294-296), 203-214, 2018.
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5. Bonacci, Ognjen; Roje-Bonacci, Tanja: Analyses of the Zagreb Grič observatory air temperatures indices for the period 1881 to 2017, *Acta hydrotechnica*, 31(54), 67-85, 2018.
6. Bonacci, Ognjen; Terzić, Josip; Roje-Bonacci, Tanja: Hidrološka analiza krške rijeke Čikole, *Hrvatske vode*, 26(106), 281-292, 2018.
7. Bonacci, Ognjen; Željko, Ivana: Analyses of differences between true mean temperatures and those calculated with four different approaches: a case study from three Croatian stations, *Theoretical and applied climatology*, 131(1/2), 733-743, 2018.
8. Galešić, Morena; Andričević, Roko; Divić, Vladimir; Šakić Trogrlić, Robert: New Screening tool for Obtaining Concentration Statistics of Pollution Generated by Rivers in Estuaries, *Water*, 10(5), 639, 12, 2018.
9. Kadić, Ana; Denić-Jukić, Vesna; Jukić, Damir: Revealing hydrological relations of adjacent karst springs by partial correlation analysis, *Hydrology Research*, 49(3), 616-633, 2018.
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12. Le, Thi Minh Hue; Đepina, Ivan; Guegan, Emilie; Sinitsyn, Anatoly: Thermal regime of permafrost at Varandey Settlement along the Barents Sea Coast, North West Arctic Russia, *Engineering geology*, 246, 69-81, 2018.
13. Malenica, Luka; Gotovac, Hrvoje; Kamber, Grgo; Simunović, Srdjan; Allu, Srikanth; Divić, Vladimir: Groundwater Flow Modeling in Karst Aquifers: Coupling 3D Matrix and 1D Conduit Flow via Control Volume Isogeometric Analysis— Experimental Verification with a 3D Physical Model, *Water*, 10(12), 1787, 32, 2018.
14. Marović, Ivan; Androjić, Ivica; Jajac, Nikša; Hanak, Tomaš: Urban road infrastructure maintenance planning with application of neural networks, *Complexity*, 2018, 5160417, 10, 2018.
15. Margeta, Jure: A framework for application of renewable energy in urban water systems, *Electronic journal of the Faculty of Civil Engineering Osijek - e-GFOS*, 8(16), 1-10, 2018.
16. Rogulj, Katarina; Jajac, Nikša: Achieving a Construction Barrier-Free Environment: Decision Support to Policy Selection, *Journal of management in engineering*, 34(4), 18020-18020, 2018.
17. Torić, Neno; Boko, Ivica; Divić, Vladimir; Burgess, Ian W.: Behaviour of Steel Grade S275JR Columns under the Influence of High-Temperature Creep, *Metals*, 8(11), 874, 16, 2018.

**2019.**

1. Blöschl, Günter; Hall, Julia; Viglione, Alberto; Perdigão, Rui A. P.; Parajka, Juraj; Merz, Bruno; Lun, David; Arheimer, Berit; Aronica, Giuseppe T.; Bilibashi, Ardian et al.: Changing climate both increases and decreases European river floods, *Nature*, 573(7772), 108-111, 2019.
2. Bonacci, Ognjen; Terzić, Josip; Roje-Bonacci, Tanja; Frangen, Tihomir: An Intermittent Karst River: The Case of the Čikola River (Dinaric Karst, Croatia), *Water*, 11(11), 24155, 2019.
3. Bonacci, Ognjen: Air temperature and precipitation analyses on a small Mediterranean island: the case of the remote island of Lastovo (Adriatic Sea, Croatia), *Acta Hydrotechnica*, 32(57), 135-150, 2019.
4. Di Dato, Mariaines; Galešić, Morena; Šimundić, Petra; Andričević, Roko: A novel screening tool for the health risk in recreational waters near estuary: The Carrying Capacity indicator, *Science of The Total Environment*, 694, 1335843, 2019.
5. Hrnjica, Bahrudin; Bonacci, Ognjen: Lake Level Prediction using Feed Forward and Recurrent Neural Networks, *Water Resources Management*, 33(7), 2471-2484, 2019.
6. Jajac, Nikša; Kilić, Jelena; Rogulj, Katarina: An Integral Approach to Sustainable Decision-Making within Maritime Spatial Planning—A DSC for the Planning of Anchorages on the Island of Šolta, Croatia, *Sustainability*, 11(1), 1-27, 2019.
7. Jajac, Nikša; Marović, Ivan; Rogulj, Katarina; Kilić, Jelena: Decision Support Concept to Selection of Wastewater Treatment Plant Location—the Case Study of Town of Kutina, Croatia, *Water*, 11(4), 7172, 2019.
8. Kadić, Ana; Denić-Jukić, Vesna; Jukić, Damir: Analiza meteoroloških i hidroloških odnosa u kršu primjenom parcijalne kros-korelacijske funkcije višeg reda, *Hrvatske vode*, 27(109), 201-210, 2019.
9. Kilić, Jelena; Jajac, Nikša; Rogulj, Katarina; Mastelić-Ivić, Siniša: Assessing Land Fragmentation in Planning Sustainable Urban Renewal, *Sustainability*, 11(9), 1-24, 2019.
10. Kilić, Jelena; Rogulj, Katarina; Jajac, Nikša: Fuzzy expert system for land valuation in land consolidation processes, *Croatian operational research review*, 10, 89-103, 2019.
11. Krtalić, Andrija; Miljković, Vanja; Gajski, Dubravko; Racetin, Ivan: Spatial Distortion Assessments of a Low-Cost Laboratory and Field Hyperspectral Imaging System, *Sensors*, 19(19), 4267, 19, 2019.
12. Tadić, Lidija; Bonacci, Ognjen; Brleković, Tamara: An example of principal component analysis application on climate change assessment, *Theoretical and applied climatology*, 138(1), 1049-1062, 2019.
13. Zhu, Senlin; Bonacci, Ognjen; Oskoruš, Dijana; Hadzima-Nyarko, Marijana; Wu, Shiqian: Long term variations of river temperature and the influence of air temperature and river discharge: case study of Kupa River watershed in Croatia, *Journal of Hydrology and Hydromechanics*, 67(4), 305-313, 2019.
14. Zhu, Senlin; Bonacci, Ognjen; Oskoruš, Dijana: Assessing sediment regime alteration of the lower drava river, *Electronic journal of the Faculty of Civil Engineering Osijek - e-GFOS*, 19, 1-12, 2019.
15. Zhu, Senlin; Bonacci, Ognjen; Oskoruš, Dijana; Hadzima-Nyarko, Marijana; Wu, Shiqian: Long term variations of river temperature and the influence of air temperature and river discharge: case study of Kupa River watershed in Croatia, *Journal of Hydrology and Hydromechanics*, 67(4), 305-313, 2019.

**2020.**

1. Kekez, T., Knezić, S., Andričević, R., Incorporating Uncertainty of the System Behavior in Flood Risk Assessment—Sava River Case Study, *Water*, 2020, 12 (10).
2. Divić, V., M. Galešić, M. Di Dato, M. Tavra, R. Andričević, Application of Open Source Electronics for Measurements of Surface Water Properties in an Estuary: A Case Study of River Jadro, Croatia, *Water*, 2020; 12 (1), 2091.
3. Di Dato, M., M. Galešić, P. Šimundić, R. Andričević, A novel screening tool for the health risk in recreational waters near estuary: The Carrying Capacity indicator, *Science of The Total Environment*, 2019; 694, 1335843.
4. Bonacci, O., M. Patekar, M. Pola, T. Roje-Bonacci, Analyses of Climate Variations at Four Meteorological Stations on Remote Islands in the Croatian Part of the Adriatic Sea, *Atmosphere*, 2020; 11 (10), 1044.
5. Bonacci, O., T. Roje-Bonacci, Application of day-to-day air temperature variability method to data observed at the Zagreb-Grič observatory (1887-2018), *Hrvatske vode*, 2020; 28 (112), 125-134.
6. Bonacci, Ognjen; Ivo Andrić, Ivo; Roje-Bonacci, Tanja; Oskoruš, Dijana; Vrsalović, Adrijana: Impact of large human constructions on a karst river hydrology: case of the Cetina river (Dinaric karst), *Acta Hydrotechnica*, 2020; 33
7. Rađa, B., O. Bonacci, T. Rađa, M. Šantić, The water and biology on a small Karstic island: the Island of Brač (Croatia) as one example, *Environmental Earth Sciences*, 2020; 79 (5), 1-171.
8. Pandžić, K., M. Kobold, D. Oskoruš, B. Biondić, R. Biondić, O. Bonacci, T. Likso, Standard normal homogeneity test as a tool to detect change points in climate-related river discharge variation: case study of the Kupa River Basin, *Hydrological Sciences Journal*, 2020; 65 (2), 227-241.
9. Zhu, S., O. Bonacci, D. Oskoruš, M. Hadzima-Nyarko, S. Wu, Long term variations of river temperature and the influence of air temperature and river discharge: case study of Kupa River watershed in Croatia, *Journal of Hydrology and Hydromechanics*, 2019; 67 (4), 305-313.
10. Bonacci, O., J. Terzić, T. Roje-Bonacci, T. Frangen, An Intermittent Karst River: The Case of the Čikola River (Dinaric Karst, Croatia), *Water*, 2019; 11 (11), 24155.
11. Depina, I., E.A. Oguz, V. Thakur, Novel Bayesian framework for calibration of spatially distributed physical-based landslide prediction models., *Computers and Geotechnics*, 2020; 125, 103660.
12. Godoy, C., I. Depina, V. Thakur, Application of machine learning to the identification of quick and highly sensitive clays from cone penetration tests, *Journal of Zhejiang University-SCIENCE*, 2020; A 21 (6), 445-461.
13. Ivić, M., J. Kilić, K. Rogulj, N. Jajac, Decision Support to Sustainable Parking Management—Investment Planning through Parking Fines to Improve Pedestrian Flows, *Sustainability*, 2020; 12 (22), 9485.
14. Jajac, N., I. Marović, K. Rogulj, J. Kilić, Decision Support Concept to Selection of Wastewater Treatment Plant Location—the Case Study of Town of Kutina, Croatia, *Water*, 2019; 11 (4), 7172.
15. Kadić, A., Denić-Jukić, V., D. Jukić, Analiza meteoroloških i hidroloških odnosa u kršu primjenom parcijalne kros-korelacijske funkcije višeg reda, *Hrvatske vode*, 2019; 27 (109), 201-210.
16. Kamber, G. Gotovac, H. Kozulić, V. Malenica, L. Gotovac, B. Adaptive numerical modeling using the hierarchical Fup basis functions and control volume isogeometric analysis. *Int J Numer Meth Fluids*, 2020; 92: 1437– 1461. <https://doi.org/10.1002/fld.4830>.

17. Lončar, G., Krvavica, N., Gotovac, H., Oskoruš, D., Kulić, T. Numerička analiza djelovanja brane na sprječavanje prodora slane vode duž korita rijeke Neretve, Hrvatske vode, 2020; 28 (112), 113-124.
  18. Racetin, I., A. Krtalic, V. Srzic, M. Zovko, Characterization of short-term salinity fluctuations in the Neretva River Delta situated in the southern Adriatic Croatia using Landsat-5 TM, Ecological Indicators, 2020; 110, 1059242
  19. Srzić, V., I. Lovrinović, I. Racetin, F. Pletikosić, Hydrogeological Characterization of Coastal Aquifer on the Basis of Observed Sea Level and Groundwater Level Fluctuations: Neretva Valley Aquifer, Croatia, Water, 2020; 12 (2), 348.
  20. Margeta, Jure; Marasović, Katja: The restoration of the Roman water supply system in 1880 for the water supply to Split // Water Science and Technology-Water Supply, 20, 3; 1091-1102, 2020
  21. Marasović, Katja; Margeta, Jure: Recherches interdisciplinaires sur l'alimentation et l'évacuation des eaux du palais de Diocletien a Split, Antiquité tardive, 20, 69-84, 2020
- 2021.**
1. Đepina, Ivan; Divić, Vladimir; Munjiza, Ante; Peroš, Bernardin: Performance-based wind engineering assessment of critical telecommunication infrastructure, Engineering Structures, 236 (2021), 112083, 12
  2. L Malenica, H Gotovac: Full space time adaptive method based on collocation strategy and implicit multirate time stepping, International Journal for Numerical Methods in Fluids, 2021
  3. N Krvavica, H Gotovac, G Lončar: Salt-wedge dynamics in microtidal Neretva River estuary, Regional Studies in Marine Science, 2021
  4. H Gotovac, L Malenica, B Gotovac : Control Volume Isogeometric Analysis for groundwater flow modeling in heterogeneous porous media, Advances in Water Resources, 2021
  5. Ivan Lovrinović , Sandra Donnici, Alessandro Bergamasco, Veljko Srzić , Chiara Cavallina, Danko Holjević, Joško Erceg, Luca Zaggia and Luigi Tosi: Groundwater Monitoring Systems to Understand Sea Water Intrusion Dynamics in the Mediterranean: The Neretva Valley and the Southern Venice Coastal Aquifers Case Studies. Water 2021, 13, 561
  6. M Tavra, I Racetin, J Peroš : The role of crowdsourcing and social media in crisis mapping: a case study of a wildfire reaching Croatian City of Split, Geoenvironmental Disasters, 2021
  7. I Racetin, A Krtalić: Systematic Review of Anomaly Detection in Hyperspectral Remote Sensing Applications, Applied Sciences, 2021
  8. N Mandić, H Ukić Boljat, T Kekez, LR Luttenberger: Multicriteria Analysis of Alternative Marine Fuels in Sustainable Coastal Marine Traffic, Applied Sciences, 2021
  9. Bonacci, Ognjen; Andrić, Ivo; Vrsalović, Adrijana; Bonacci, Duje: Precipitation Regime Changes at Four Croatian Meteorological Stations, Atmosphere, 12 2021
  10. Bonacci, Ognjen; Bonacci, Duje; Patekar, Matko; Pola, Marco: Increasing Trends in Air and Sea Surface Temperature in the Central Adriatic Sea (Croatia), Journal of marine science and engineering, 9, 2021
  11. Danandeh Mehr, Ali; Hrnjica, Bahrudin; Bonacci, Ognjen; Torabi Haghighi, Ali: Innovative and successive average trend analysis of temperature and precipitation in Osijek, Croatia, Theoretical and applied climatology, 145, 1-2; 67-85, 2021

12. Bonacci, Ognjen; Bonacci, Duje; Roje-Bonacci, Tanja: Different air temperature changes in continental and Mediterranean regions: a case study from two Croatian stations, Theoretical and applied climatology, 145, 3-4; 1-14, 2021
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14. Margeta, Jure: Selection and evaluation of a septage management concept for islands: The case study of Brač Island, Journal of Environmental Management, 285, 1-10, 2021
15. Rogulj, Katarina; Kilić Pamuković, Jelena; Ivić, Majda: Hybrid MCDM Based on VIKOR and Cross Entropy under Rough Neutrosophic Set Theory, Mathematics, 9(12), 1334, 27, 2021.
16. Kilić Pamuković, Jelena; Rogulj, Katarina; Dumanić, Daniela; Jajac, Nikša: A Sustainable Approach for the Maintenance of Asphalt Pavement Construction, Sustainability, 13(1), 109, 18, 2021
17. Rogulj, Katarina; Kilić Pamuković, Jelena; Jajac, Nikša: A Decision Concept to the Historic Pedestrian Bridges Recovery Planning, Applied Sciences-Basel, 11(3), 969, 23, 2021.
18. Rogulj, Katarina; Kilić Pamuković, Jelena; Jajac, Nikša: Knowledge-Based Fuzzy Expert System to the Condition Assessment of Historic Road Bridges, Applied Sciences-Basel, 11(3), 1021, 43, 2021.
19. Rogulj, Katarina; Kilić Pamuković, Jelena: Environmental Adaptation of Construction Barriers under Intuitionistic Fuzzy Theory, Tehnički glasnik - Technical journal, 15(1), 1-10, 2021.
20. Kilić Pamuković, Jelena; Rogulj, Katarina; Jajac, Nikša: Assessing the Bonitet of Cadastral Parcels for Land Reallocation in Urban Consolidation, Land (Basel), 10(1), 9, 31, 2021.

**• POPIS ZNANSTVENO-ISTRAŽIVAČKIH PROJEKATA U ZADNJIH 5 GODINA (ČIJI VODITELJ PRIPADA ZIU PROJEKTU I KOJI TEMATSKI PRIPADAJU OVOM ZIU PROJEKTU) / A LIST OF SCIENTIFIC PROJECTS WITHIN THE PAST FIVE YEARS:**

- Equinor GBS, 2019-2019, Razvoj postupka za parametarsku analizu gravity-based temelja za pučinske vjetroagregate, voditelj projekta: Ivan Đepina, izvor financiranja: Equinor / Equinor GBS, 2019-2019, Developing of Procedure for Parametric Analysis of Gravity-based Foundations for Offshore Wind Aggregate. Project leader: Ivan Đepina, Ph.D.; Funding source: Equinor
- KlimaDigital, 2018-2021, Reducing societal risks imposed by geohazards in the changing climate with digitalization, voditelj projekta: Ivan Đepina, izvor financiranja: Norwegian research council. / KlimaDigital, 2018-2021, Reducing Societal Risks Imposed by Geohazards in the Changing Climate with Digitalization. Project leader: Ivan Đepina, Ph.D.; Funding source: Norwegian Research Council (NFR)
- Invision, 2020-2022, Development of IoT solutions for monitoring geohazards, voditelj projekta: Ivan Đepina, izvor financiranja: European Space Agency, Norveška. / Invision, 2020-2022, Development of IoT Solutions for Monitoring Geohazards. Project leader: Ivan Đepina, Ph.D.; Funding source: European Space Agency, Norway
- VODIME-Vode Imotske krajine, 2020-2023, voditelj projekta Ivo Andrić, izvor financiranja: EU fond za regionalni razvoj, OP Konkurentnost i kohezija, Shema za jačanje primijenjenih istraživanja za mjere prilagodbe klimatskim promjenama. / VODIME-Waters of Imotski, 2020-2023. Project leader: Ivo Andrić, Ph.D.; Funding source: EU

- Perm-Beton, Razvoj sustava odvodnje na horizontalnim površinama od propusnog betona (IRI), 2020-2023, voditelj projekta: Hrvoje Gotovac, izvor financiranja: EU Strukturni fondovi, Povećanje razvoja novih proizvoda i usluga koji proizlaze iz aktivnosti istraživanja i razvoja. / Perm-Beton, Razvoj sustava odvodnje na horizontalnim površinama od propusnog betona (IRI), 2020-2023, Project leader: Hrvoje Gotovac, Ph.D.; Funding source: EU
- Pinna Nobilis (IRI), 2020-2023, suvoditelji projekta: Veljko Srzić i Ivo Andrić, izvor financiranja: EU Strukturni fondovi, Povećanje razvoja novih proizvoda i usluga koji proizlaze iz aktivnosti istraživanja i razvoja. / Pinna Nobilis (IRI), 2020-2023, Project leaders: Veljko Srzić, Ph.D., and Ivo Andrić, Ph.D.; Funding source: EU
- MOST Monitoring Sea-water intrusion in coastal aquifers and Testing pilot projects for its mitigation, 2019-2022, voditelj Veljko Srzić, izvor financiranja: Interreg, Italy Croatia cross-border cooperation programme. / MOST Monitoring Sea-water Intrusion in Coastal Aquifers and Testing Pilot Projects for its Mitigation, 2019-2022. Project leader: Veljko Srzić, Ph.D.; Funding source: Interreg, Italy-Croatia cross-border cooperation program
- Multi-Waters, Multifizikalno modeliranje površinskih i podzemnih voda, 2021-2025, voditelj projekta: Hrvoje Gotovac, izvor financiranja: Hrvatska zaklada za znanost, HRZZ. / Multi-Waters, Multiphysics Modelling of Surface and Subsurface Waters, 2021-2025, Project leader: Hrvoje Gotovac, Ph.D.; Funding source: Croatian Science Foundation (HRZZ)
- Modeliranje tečenja u krškim vodonosnicima, 2014-2018, voditelj projekta: Hrvoje Gotovac, izvor financiranja: Hrvatska zaklada za znanost, HRZZ. / Flow Modelling in Karst Aquifers, 2014-2018. Project leader: Hrvoje Gotovac, Ph.D. Funding source: Croatian Science Foundation (HRZZ)
- CAAT, Coastal Auto-purification Assessment Technology, 2019-2020, Contract Agreement KK.01.1.1.04.0064, voditelj projekta: Roko Andrićević, izvor financiranja: ERDF program. / CAAT, Coastal Auto-purification Assessment Technology, 2019-2020, Contract Agreement KK.01.1.1.04.0064. Project leader: Roko Andrićević, Ph.D.; Funding source: the ERDF program.
- STIM-REI (www.stim.unist.hr), Croatian Scientific Center of Excellence, 2017-2022, Contract Agreement KK.01.1.1.01.0003. Activity IIA: Contaminant transport dynamics in the rivers and coastal zone, voditelj projekta: Roko Andrićević. / STIM-REI (www.stim.unist.hr), Croatian Scientific Center of Excellence, 2017-2022, Contract Agreement KK.01.1.1.01.0003. Activity IIA: Contaminant transport dynamics in the rivers and coastal zone. Project leader: Roko Andrićević, Ph.D.
- Interreg CBC Hrvatska-Italija: AdSWiM - Upravljanje i pročišćavanje otpadnih voda urbanih sredina za očuvanje kvalitete obalnog područja Jadranskog mora, 2019-2021, voditelj projekta: Roko Andrićević. / Interreg CBC Croatia-Italy: AdSWiM - Urban Wastewater Management and Treatment for Preserving the Quality of the Adriatic Coastal Area, 2019-2021. Project leader: Roko Andrićević, Ph.D.
- Interreg CBC Hrvatska-Italija: NET4mPLASTIC –Nove tehnologije za detekciju makro i mikro plastike na obalnom području Jadranskog mora, 2019-2022, voditelj projekta: Roko Andrićević. / Interreg CBC Croatia-Italy: NET4mPLASTIC - New Technologies for the Detection of Macro and Microplastics in the Adriatic Coast, 2019-2022. Project leader: Roko Andrićević, Ph.D.
- Interreg MED program: Plastic busters MPAs, Zaštita bioraznolikosti od plastike u mediteranskim zaštićenim morskim područjima, 2018-2022, voditelj projekta: Roko Andrićević. / Interreg MED program: Plastic Busters MPAs, Protection of Plastic Biodiversity in the Mediterranean Marine Protected Areas, 2018-2022. Project leader: Roko Andrićević, Ph.D.

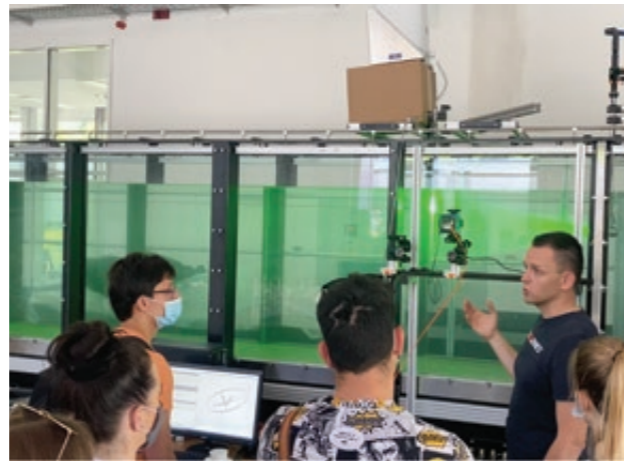
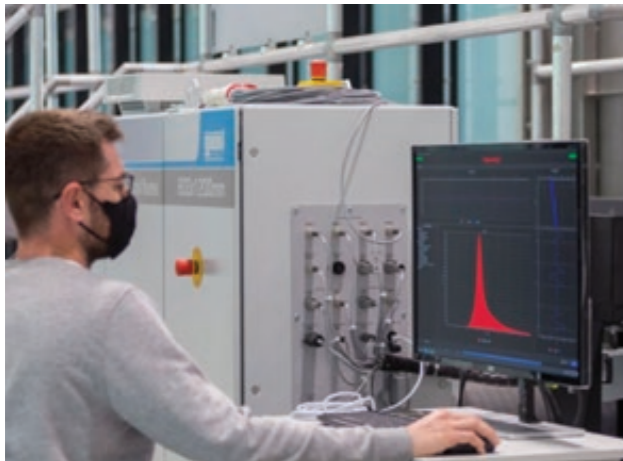
COMMON, Monitoring obalnog područja koristeći višeskalne metode, [Eng. Coastal zone monitoring using multi-scaling methods], KK.01.1.1.07.0033, 2020-2023, voditelj projekta: Roko Andrićević. / COMMON, Coastal Area Monitoring Using Multiscale Methods, [Eng. Coastal Zone Monitoring Using Multiscale Methods], KK.01.1.1.07.0033, 2020-2023. Project leader: Roko Andrićević, Ph.D.

**SLJ – HIDROTEHNIČKI LABORATORIJ  
SPECIALIZED LABORATORY UNIT – WATER RESOURCES AND ENVIRONMENTAL ENGINEERING LABORATORY**

**• VODITELJ SLJ /  
HEAD OF THE SLU:**  
Prof.dr.sc. Hrvoje Gotovac

**• OPIS DJELATNOSTI SLJ /  
WORK TOPICS OF THE SLU:**

- Specijalizirana oprema u okviru Hidrotehničkog laboratorija omogućava analizu mnogih hidrotehničkih zadaća u okviru istraživanja vodnih resursa i njihovog značaja u okolišnom inženjerstvu. / Specialized equipment within the Water Resources and Environmental Engineering Laboratory enables the analysis of many such engineering tasks within the research of water resources and their significance in environmental engineering.
- Veliki vodni kanal duljine 22 m sa 16 m dugom staklenom radnom sekcijom koristi se za simulacije realnog dubokovodnog vala, kao i generiranja strujanja te kombiniranog efekta valnog polja i morskih struja. Može služiti za mnoge druge zadaće hidraulike otvorenih tokova te obalnog inženjerstva. Mjerni instrumentarij omogućuje mjerenje brzine i koncentracije u turbulentnom polju strujanja. / A large 22-metre-long water channel with a 16-metre-long glass working section is used to simulate a natural deep-water wave, generate currents, and the combined effect of the wave field and sea currents. It can be utilized for many other tasks of open flow hydraulics and coastal engineering, too. Measuring instruments enable the measurement of velocity and concentration in a turbulent flow field.
- Generator valova instaliran u bazenu za valovanje dimenzija 4,00 x 11,00 x 2,60 m sa osam lopatica duljine pola metra može generirati val općeg proizvoljnog spektra te istražuje utjecaj plitkovodnog vala na različite obalne građevine i plaže. / A wave generator installed in a wave basin measuring 4,00 x 11,00 x 2,60 m, with eight half-a-metre-long blades, can generate a wave of the general arbitrary spectrum and investigate the impact of a shallow-water wave on various coastal structures and beaches.
- Zračni tunel dug 12 m sa radnom zatvorenom sekcijom presjeka 60 x 60 cm može razviti brzine strujanja zraka do 180 km/h te omogućava istraživanja vezana za utjecaj vjetrovnog opterećenja na razne oblike građevina i konstrukcija. / The 12-metre-long air tunnel with a working closed section with a cross-section of 60 x 60 cm can develop air flow velocity of up to 180 km/h, enabling research related to the impact of wind load on various forms of buildings and structures.
- Model vodonosnika u bazenu dimenzija 4,00 x 11,00 x 2,60 m sa platformom za umjetnu kišu, 360 tlačnih senzora i 80 piezometara za mjerenje koncentracije soli ili zagađenja omogućava istraživanja vezana za interakciju površinskih, podzemnih i priobalnih voda, prinos onečišćenja i soli u obalnom području, mehanizme prihranjivanja krških i drugih vodonosnika uslijed različitih kišnih događaja. U dvorištu laboratorija nalazi se i manji vodonosnik dimenzija 4,00 x 2,50 x 2,00 m specijaliziran samo za istraživanja u krškim vodonosnicima. / The 4.00 x 11.00 x 2.60 m aquifer model in the basin with an artificial rain platform, 360 pressure sensors, and 80 piezometers for measuring salt or pollution concentration enables research related to the interaction of surface, groundwater and coastal waters, pollution



transfer, and salts in the coastal area, mechanisms of recharge of karst and other aquifers due to various rain events. Furthermore, in the Laboratory yard, there is a smaller aquifer measuring 4.00 x 2.50 x 2.00 m specializing only in research in karst aquifers.

- PIV (Particle Image Velocimetry) i LIF (Laser Induced Fluorescence) sastavljeni od lasera i četiri mjerene kamere omogućavaju mjerenje brzine čestica i koncentracija u prostoru na jako maloj skali u vodnom kanalu i zračnom tunelu čime predstavlja vrlo važan resurs za specijalizirana istraživanja za mnoge spomenute hidrotehničke zadatke. / PIV (Particle Image Velocimetry) and LIF (Laser Induced Fluorescence) composed of lasers and four measured cameras enable measurements of particle velocity and concentrations in 3-D space on a very small scale in a water channel and wind tunnel, which is an essential resource for specialized research for many mentioned engineering tasks.
- Ostala mjerna oprema uključuje brojnu opremu za in-situ mjerenja, posebice u području probalnih voda te krškim vodonosnicima. / Other measuring equipment includes a number of in-situ measurement devices, especially in the areas of coastal waters and karst aquifers.

• **POPIS PET NAJZNAČAJNIJH KOMADA OPREME U LABORATORIJU / A LIST OF THE FIVE MOST IMPORTANT PIECES OF LABORATORY EQUIPMENT**

- Zračni tunel zatvorenog tipa (Goettingen) / A closed air/wind tunnel (of the Goettingen type)
- Vodni stakleni kanal koji s integriranim generatorom valova / A water glass channel (flume) with an integrated wave generator
- Bazen s generatorom morskih valova za istraživanje plitkovodnog vala / A basin with a sea wave generator for shallow-water wave research
- Model krškog vodonosnika sa simulatorom oborina / An aquifer model/basin with precipitation simulator for researching surface, subsurface, and coastal sea waters
- PIV (Particle Image Velocimetry) i LIF (Laser Induced Fluorescence) mjerni sustavi brzine čestica i koncentracija u prostoru / PIV (Particle Image Velocimetry) and LIF (Laser Induced Fluorescence) systems for particle velocity and concentration

## ZNANSTVENO-ISTRAŽIVAČKA I UMJETNIČKA LOGIČKA CJELINA ZA IMPLEMENTACIJU SUVREMENIH TEHNOLOGIJA U ARHITEKTURI

- **VODITELJ ZIU LC / HEAD OF THE SARLU:**  
doc. dr. sc. Hrvoje Bartulović

**ZIU PROJEKTI U SKLOPU ZIU LC / SCIENCE AND ARTS RESEARCH (SAR) PROJECTS WITHIN THE SARLU**

- **NAZIV ZIU PROJEKTA / SAR PROJECT TITLE:**  
Istraživanje implementacije suvremenih tehnologija u arhitekturi

- **SUVODITELJI / CO-LEADERS:**  
doc. dr. sc. Hrvoje Bartulović,  
doc. dr. sc. Dujmo Žižić

- **UKRATKO O ZIU PROJEKTU / SAR PROJECT DESCRIPTION:**

Laboratorij za implementaciju suvremenih materijala i tehnologija u arhitekturi opremljen je nizom različitih suvremenih uređaja i računalnih programa koji omogućuju razna istraživanja - od procesa dizajna do procesa proizvodnje i gradnje građevina. Planirana istraživanja za cilj imaju poboljšanje i usavršavanje digitalnih procesa vezanih za prostorno planiranje i upravljanje, digitalnih procesa vezanih za građenje, kao i poboljšanje i usavršavanje svojstava i ekonomičnosti primjene suvremenih materijala i tehnologija u arhitekturi, kako u novogradnji, tako i u polju zaštite graditeljskog naslijeđa. Poseban bi se fokus stavio na ispitivanja suvremenih tehnologija i materijala u polju zaštite graditeljskog naslijeđa svjetske kulturne baštine kojom područje Dalmacije obiluje te konstrukcijama koje problematiziraju utjecaj sunca, mora i ostalih klimatskih okolnosti mediteranskog područja.

*Exploring the implementation of modern materials and technologies in architecture focuses on the possibilities of modern technologies in all process phases, from the design process to the production, construction, and recycling processes. The research examines the effects that can be achieved, the shapes that can be produced, and other characteristics of modern materials. In the field of architectural heritage protection, research on the implementation of modern technologies and materials serves to examine the properties and cost-effectiveness of the application of advanced and the possibilities of improving conventional materials and technologies. Computer simulations and data management address the capabilities of advanced computer spatial simulations. This includes digital processes related to spatial planning and management of the territory, transport and infrastructure systems, research related to construction, design of new buildings and structures based on parametric design, and observation of the existing built fund.*

## SCIENCE AND ARTS RESEARCH LOGICAL UNIT (SARLU) FOR THE IMPLEMENTATION OF MODERN TECHNOLOGIES IN ARCHITECTURE

- **ISTRAŽIVAČKE TEME ZIU PROJEKTA / RESEARCH TOPICS OF THE SAR PROJECT**

- Ispitivanje implementacije suvremenih materijala i tehnologija u arhitekturi / Examination of the implementation of modern materials and technologies in architecture
- Ispitivanje implementacije suvremenih tehnologija i materijala u polju zaštite graditeljskog naslijeđa / Examination of the implementation of modern technologies and materials in the protection of architectural heritage
- Računalne prostorne simulacije i upravljanje podatcima / Computer spatial simulations and data management

- **ČLANOVI ZIU PROJEKTA / MEMBERS OF ZIU PROJECT:**

asist. Bruno Bartulović  
doc. dr. sc. Hrvoje Bartulović  
prof. art. Dario Gabrić  
doc. dr. sc. Ana Grgić  
doc. art. Jakša Kalajžić  
prof. art. Neno Kezić  
doc. art. Ana Kuzmanić  
asist. Jere Kuzmanić  
izv. prof. art. Iva Letilović  
doc. art. Danijel Marasović  
izv. prof. dr. sc. Katja Marasović  
doc. dr. sc. Sanja Matijević Barčot  
prof. art. Hrvoje Njirić  
asist. Samantha Pavić  
doc. art. Dinko Peračić  
izv. prof. dr. sc. Vesna Perković Jović  
doc. dr. sc. Snježana Perojević  
izv. prof. art. Toma Plejić  
doc. mr. sc. Saša Randić  
prof. dr. sc. Boris Trogrlić  
prof. dr. sc. Darovan Tušek  
doc. dr. sc. Dujmo Žižić

- **POPIS ZNANSTVENIH RADOVA U ZADNJIH 5 GODINA / A LIST OF SCIENTIFIC PAPERS PUBLISHED WITHIN THE PAST FIVE YEARS**

1. Margeta J.; Marasović K. 2020. The Restoration of the Roman Water Supply System in 1880 for the Water Supply of the City of Split. Water Science and Technology - Water Supply 20/3. 1091-1102. ISSN 1606-9749.
2. Marasovic, K.; Perojevic, S.; Margeta, J.; Bojanic, D. and Katic, M. 2016. Study of the Aqueduct of Salona. 2014. - 2015. Vjesnik Za Arheologiju I Povijest Dalmatinsku 109. 129-154.
3. Marasovic, K. and Margeta, J. 2017. A study of Roman water intake structures at the Jadro River's spring. Vjesnik Za Arheologiju I Povijest Dalmatinsku 110/2. 509-532.
4. Marasovic, K., Margeta, J., Perojevic, S., Katic, M., and Bojanic, D.





2017. The aqueduct of the Roman town Salona - Croatia. Water Science and Technology-Water Supply 17/4. 929-939. doi:10.2166/ws.2016.193.

5. Margeta, J. and Marasovic, K. 2018. Water supply at the source of the Jadro River from antiquity to the present. Građevinar 70/11. 984-995.

6. Barcot, S.M. 2019. HOUSE CONSTRUCTION IN SPLIT IN THE IMMEDIATE POST-WAR PERIOD (1945-1951). Prostor 27/1. 64-77. doi:10.31522/p.27.1(57).5.

7. Marasovic, K. and Vidovic, R. 2019. Spatial development of the St. Michael Castle on the island of Ugljan. Građevinar 71/1. 33-43. doi:10.14256/jce.2202.2017.

8. Barcot, S.M. 2020. Architect Vuko Bombardelli and Eksperiment-57. Zivot umjetnosti 107. 60-79. doi:10.31664/zu.2020.107.04.

• **POPIS NOMINACIJA I/ILI DOBIVENIH NAGRADA OD VAŽNOSTI NA NACIONALNOJ ILI MEĐUNARODNOJ RAZINI ZA UMJETNIČKO DJELO IZ PODRUČJA LIKOVNE UMJETNOSTI TE ARHITEKTURE I URBANIZMA / NATIONAL AND INTERNATIONAL NOMINATIONS AND AWARDS FOR ART, ARCHITECTURE AND URBANISM:**

1. Nagrada „Drago Galić“ za najuspješnije ostvarenje na području stambene arhitekture za 2019. godinu za projekt: „4 kuće za 4 brata“ u Zadru - Iva Letilović (koautor) / *The Drago Galić award for the best achievement in the area of residential architecture in 2019, for the 4 Houses for 4 Brothers project; Iva Letilović (a co-author)*

2. Nominacija za nagradu „Drago Galić“ za najuspješnije ostvarenje na području stambene arhitekture za 2019. godinu za projekt: „Kuća i parazit“ u Zagrebu - Lea Pelivan i Toma Plejić (autori) / *A nomination for the 'Drago Galić' award for the best achievement in the area of residential architecture in 2019 for the House and Parasite project in Zagreb; Lea Pelivan and Toma Plejić (the authors)*

3. Nominacija za nagradu „Drago Galić“ za najuspješnije ostvarenje na području stambene arhitekture za 2019. godinu za projekt: „Stambeni objekt 34“ u Zagrebu - Neno Kezić (autor) / *A nomination for the Drago Galić award for the best solution in the area of residential architecture in 2019 for the Residential Object 34 project in Zagreb; Neno Kezić (the author)*

4. Nagrada „Bernardo Bernardi“ za najuspješnije ostvarenje na

području oblikovanja i unutrašnjeg uređenja za 2019. godinu dodijeljena je Lei Pelivan i Tomi Plejiću (koautori) za Bijeli Loft u Zagrebu. /

*The Bernardo Bernardi award for the best solution in the area of design and interior design in 2019 for the White Loft project in Zagreb; Lea Pelivan and Toma Plejić (co-authors)*

5. Nominacija za nagradu „Viktor Kovačić“ za najuspješnije ostvarenje u svim područjima arhitektonskog stvaralaštva arhitekture za 2020. godinu za projekt: „Osnovna škola Ivanja Reka“ u Zagrebu - Jakša Kalajžić (koautor) /

*A nomination for the Viktor Kovačić award for the best achievement in all areas of architectural design in 2020 for the Elementary School Ivanja Reka project in Zagreb; Jakša Kalajžić (a co-author)*

6. Nominacija za nagradu „Viktor Kovačić“ za najuspješnije ostvarenje u svim područjima arhitektonskog stvaralaštva arhitekture za 2020. godinu za projekt: „Ribarska Luka Bržine“ u Kaštel Sućurcu - Dinko Peračić (autor) /

*A nomination for the Viktor Kovačić award for the best achievement in all areas of architectural design in 2020 for the Fishing Port Bržine project in Kaštel Sućurac; Dinko Peračić (the author)*

7. Nominacija za nagradu „Drago Galić“ za najuspješnije ostvarenje na području stambene arhitekture za 2020. godinu za projekt: „Stambeni objekt 34“ u Zagrebu - Hrvoje Njirić (koautor) / *A nomination for the Drago Galić award for the best achievement in the area of residential architecture in 2020 for the Residential Object 34 project in Zagreb; Hrvoje Njirić (a co-author)*

• **ZIU LC ZA IMPLEMENTACIJU SUVREMENIH TEHNOLOGIJA U ARHITEKTURI  
SPECIALIZED LABORATORY UNIT (SLU) – CONTEMPORARY ARCHITECTURAL TECHNOLOGIES LABORATORY**

• **VODITELJ SLJ /  
HEAD OF THE SLU:**  
Asst. Prof. Hrvoje Bartulović

• **POPIS PET NAJVAŽNIJIH KOMADA OPREME U LABORATORIJU /  
A LIST OF THE FIVE MOST IMPORTANT PIECES OF LABORATORY EQUIPMENT**

- CNC glodalice / CNC Milling machines
- strojevi za obradu metala i drva / lathes for metal and wood
- laserski rezač / laser cutting machine
- stereolitografski 3D pisač / stereolithography 3D printer
- set alata na komprimirani zrak / set of compressed air tools

## ZNANSTVENO-ISTRAŽIVAČKA I UMJETNIČKA LOGIČKA CJELINA ZA ISTRAŽIVANJA U GEODEZIJI I GEOINFORMATICI

• **VODITELJ ZIU LC /  
HEAD OF THE SARLU:**  
prof. dr. sc. Tea Duplančić Leder

**ZIU PROJEKTI U SKLOPU ZIU LC /  
SCIENCE AND ARTS RESEARCH (SAR) PROJECTS WITHIN THE SARLU**

• **NAZIV ZIU PROJEKTA /  
SAR PROJECT TITLE:**  
Istraživanja u geodeziji i geoinformatici

• **VODITELJ ZIU PROJEKTA /  
HEAD OF THE SAR PROJECT:**  
prof. dr. sc. Tea Duplančić Leder

• **UKRATKO O ZIU PROJEKTU /  
SAR PROJECT DESCRIPTION:**

Modernim i visokopreciznim geodetskim instrumentima prikupljat će se prostorni podatci, koji su danas uobičajeno datirati u određenu epohu, odnosno prostorne objekte, radi preciznosti mjerenja, možemo promatrati četverodimenzionalno sa submilimetarskom preciznošću. Takve informacije i podatci koriste se u mnogim prirodnim i tehničkim disciplinama kao podloga za modeliranje, simuliranje, analiziranje mnogobrojnih procesa koji se događaju u prostoru, a koji nam omogućuju predviđanje i rješavanje okolišnih fenomena s naglaskom na obnavljanje građevina kulturne baštine, deformacijska (oskultacijska) mjerenja, detekciju seizmičkih pomaka tla te sve prisutnije klimatske promjene. Posebnu pažnju treba posvetiti prostornim podatcima u obalnoj zoni i njihovim specifičnostima jer je to najosjetljiviji (posebno klimatski), ali i gospodarski najvrjedniji prostor Republike Hrvatske.

*Modern and highly precise geodetic instruments will collect spatial data, which today are usually dated to a specific epoch, i.e., spatial objects, and which, for the sake of measurement accuracy, can be observed four-dimensionally with a submillimeter precision. Such information and data are used in many natural and technical sciences and disciplines as a basis for modeling, simulating, and analyzing many processes occurring in space. This information allows us to predict and solve environmental phenomena, particularly issues in the restoration of cultural heritage buildings, deformation (auscultation) measurements, detect seismic landslides, and solve problems stemming from the increasingly present climate change. Particular attention should be paid to the spatial data and their specifics in the coastal zone because not only is it the most climatically sensitive area, but also the most economically valuable one of the Republic of Croatia.*

• **ISTRAŽIVAČKE TEME ZIU PROJEKTA /  
RESEARCH TOPICS OF THE SAR PROJECT**

• Implementacija novih senzora i tehnologija za obuhvaćanje prostornih podataka koji će poslužiti kao podloga za implementiranje i analizu ostalih okolišnih parametara; Prikupljanje prostornih podataka multispektralnim izviđanjem iz zraka u realnom vremenu /

## SCIENCE AND ARTS RESEARCH LOGICAL UNIT (SARLU) FOR GEODESY AND GEOINFORMATICS

*Implementation of new sensors and technologies for capturing spatial data that will serve as a basis for the implementation and analysis of other environmental parameters; Collection of spatial data by multispectral aerial reconnaissance in real time*

• Primjena naprednih tehnologija, naročito primjena dronova ili autonomnih letjelica (UAV - Unmanned aerial vehicle) u kartiranju prostora te izradi 3D karata i ortofotokarata / *Application of advanced technologies, especially the use of drones or autonomous aircraft (UAV - Unmanned aerial vehicle) in spatial mapping and creation of 3D maps and orthophoto maps*

• Geoprostorne i geostatističke analize te geoprocesiranje prostornih podataka prikupljenih geodetskim mjerenjima na terenu / *Geospatial and geostatistical analysis and geoprocessing of spatial data collected by geodetic measurements in the field*

• Definiranje prostorno vremenskih podataka obalne zone s naglaskom na praćenje promjena na obalnoj crti, koja se događaju uslijed klimatskih promjena, te njihovog mogućeg utjecaja na zdravlje, imovinu i živote ljudi; Razvoj aplikacija i mjernih metoda za praćenje i predviđanje katastrofa i ostalih okolišnih parametara / *Defining spatial and temporal data of the coastal zone with an emphasis on monitoring changes on the coastline, which occur due to climate change, and their possible impact on health, property and people's lives; Development of applications and measurement methods for monitoring and forecasting disasters and other environmental parameters*

• Izrada 3D modela objekata kao podloga za tehnologiju informacijskog modeliranja zgrada BIM (Building Information Modeling) s primjenom u evidentiranju i upravljanju korištenja građevina, zaštiti spomenika kulture, evidenciji vodova i dr. / *Creation of 3D models of buildings as a basis for building information modeling technology BIM (Building Information Modeling) with application in recording and managing the use of buildings, protection of cultural monuments, records of pipelines, etc.*

• Ispitivanje mogućnosti upotrebe te odabir i eventualno unaprjeđenje tehnika visokopreciznih geodetskih mjerenja koja se provode u svrhu praćenja moguće deformacije objekata (npr. oskultacija brana, pomaka mostova) / *Examining the possibility of use and the selection and possible improvement of high-precision geodetic measurement techniques that are carried out for the purpose of monitoring the possible deformation of objects (eg auscultation of dams, displacement of bridges)*

• **ČLANOVI ZIU PROJEKTA /  
MEMBERS OF ZIU PROJECT:**  
Samanta Bačić mag. ing. geod. et geoinf.  
doc. dr. sc. Martina Baučić  
prof. dr. sc. Tea Duplančić Leder  
Frane Gilić mag. ing. geod. et geoinf.  
izv. prof. dr. sc. Željko Hećimović  
Majda Ivić mag. ing. geod. et geoinf.  
doc. dr. sc. Jelena Kilić Pamuković  
Josip Peroš mag. ing. geod. et geoinf.  
dr. sc. Ivan Racetin  
prof. dr. sc. Ivana Racetin  
Marina Tavra mag. ing. geod. et geoinf.



• **POPIS ZNANSTVENIH RADOVA U ZADNJIH 5 GODINA / A LIST OF SCIENTIFIC PAPERS PUBLISHED WITHIN THE PAST FIVE YEARS**

1. Batinić, M.; Galić, M.; Trogrić, B.; Divić, V.; Racetin, I.; Mihanović, A. 2018. Combined photogrammetry and mechanical testing of fired clay brick. *Materialwissenschaft und Werkstofftechnik* 49. 1399-1408 doi:10.1002/mawe.201700106. (-)
2. Baučić, M. 2020. Household Level Vulnerability Analysis - Index and Fuzzy Based Methods. *ISPRS International Journal of Geo-Information* 9, 4, 263, 19 doi:10.3390/ijgi9040263. (\*)
3. Divić, V.; Galešić, M.; Di Dato, M.; Tavra, M.; Andričević, R. 2020. Application of Open Source Electronics for Measurements of Surface Water Properties in an Estuary. A Case Study of River Jadro, Croatia Water 12. 209, 29 doi:10.3390/w12010209. (\*)
4. Duplančić Leder, T.; Leder, N.; Baučić, M. 2020. Application of Satellite Imagery and Water Indices to the Hydrography of the Cetina River Basin (Middle Adriatic). *Transactions on maritime science* 9/2. 374-384. doi:10.7225/toms.v09.n02.020. (\*)
5. Duplančić Leder, T.; Leder, N. 2019. Usporedba algoritama za kartiranje obalne crte satelitskim metodama. *Hrvatske vode* 27/110. 295-304. (-)
6. Duplančić Leder, T.; Leder, N.; Peroš, J. 2019. Satellite Derived Bathymetry Survey Method - Example of Hramina Bay. *Transactions on maritime science* 8/1. 99-108. doi:10.7225/toms.v08.n01.010. (-)
7. Orlić, M.; Duplančić Leder, T.; Verbanac, G.; Denić-Jukić, V.; Klaić, Z. B.; Grbec, B.; Horvath, K.; Beg Paklar, G.; Herak, M.; Herak, D. and J. Stipčević (2019): Report of the Croatian Committee of Geodesy and Geophysics on activities carried out between 2015 and 2018. *Geofizika* 36. 171-224. DOI: 10.15233/gfz.2019.36.7. (-)
8. Duplančić Leder, T.; Leder, N. 2018. Land Surface Temperature Determination in the Town of Mostar Area. *Tehnički vjesnik* Vol. 25, No. 4. 1219-1226. DOI 10.17559/TV-20160815131129 (-)
9. Duplančić Leder, T.; Leder, N.; Hećimović, Ž. 2016. Split Metropolitan area surface temperature assessment with remote sensing method. Određivanje površinske temperature tla područja Splita metodom daljinske detekcije. *Građevinar* 68/11. 895-905. DOI: 10.14256/JCE.1661.2016 (-)
10. Ivić, M.; Kilić, J.; Rogulj, K.; Jajac, N. 2020. Decision Support to Sustainable Parking Management —Investment Planning through Parking Fines to Improve Pedestrian Flows, *Sustainability* 12/22. 1-19. doi:10.3390/su12229485 (\*)

11. Jajac, N.; Marović, I.; Rogulj, K.; Kilić, J. 2019. Decision Support Concept to selection of wastewater treatment plant location. The case study of town of Kutina. *Croatia Water* 11/4. 1-16. doi:10.3390/w11040717J (\*)
12. Jajac, N.; Kilić, J.; Rogulj, K. 2019. An Integral Approach to Sustainable Decision-Making within Maritime Spatial Planning — A DSC for the Planning of Anchorages on the Island of Šolta, Croatia. *Sustainability* 11/1. 1-27. doi:10.3390/su11010104. (\*)
13. Kilić Pamuković, J.; Rogulj, K.; Dumanić, D.; Jajac, N. 2021. A Sustainable Approach for the Maintenance of Asphalt Pavement Construction. *Sustainability* 13/11. 109, 18 doi:10.3390/su13010109. (\*)
14. Kilić Pamuković, J.; Rogulj, K.; Jajac, N. 2020. Assessing the Bonitet of Cadastral Parcels for Land Reallocation in Urban Consolidation. *Land (Basel)* 10/1. 9, 31 doi:10.3390/land10010009. (\*)
15. Kilić, J.; Rogulj, K.; Jajac, N. (2019): Fuzzy expert system for land valuation in land consolidation processes. *Croatian operational research review* 10. 89-103. doi:10.17535/crorr.2019.0009. (-)
16. Kilić, J.; Jajac, N.; Marović, I. 2018. GIS-based decision support concept to planning of land acquisition for realization of urban public projects. *Croatian operational research review*. 9/1. 11-24 doi:10.17535/crorr.2018.0002 (-)
17. Krtalić, A.; Bajić, M.; Ivelja, T.; Racetin, I. 2020. The AIDSS Module for Data Acquisition in Crisis Situations and Environmental Protection. *Sensors* 20/5. 1267, 29 doi:10.3390/s20051267. (-)
18. Krtalić, A.; Miljković, V.; Gajski, D.; Racetin, I. 2019. Spatial Distortion Assessments of a Low-Cost Laboratory and Field Hyperspectral Imaging System. *Sensors* 19/19. 4267, 19. doi:10.3390/s19194267. (-)
19. Leder, N.; Duplančić Leder, T.; Lončar, G. 2020. Measurements and Numerical Modelling of Surface Waves in Front of the Port of Split. *TransNav* 14/1. 192-197. doi:10.12716/1001.14.01.24. (-)
20. Lončar, G.; Leder, N.; Duplančić Leder, T.; Carević, D. 2019. Wave Energy Disbalance as Generator of Extreme Wave Occurrence in Semi-Enclosed Coastal Waters (Example of Rijeka Bay—Croatia). *Journal of marine science and engineering* 7/420. 1-15. doi:10.3390/jmse7110420. (-)
21. Orlić, M.; Duplančić Leder, T.; Verbanac, G.; Denić-Jukić, V.; Grbec, B.; Horvath, K.; Gordana Beg Paklar, G.; Herak, M.; Herak, D.; Stipčević, J. 2019. Report of the Croatian Committee of Geodesy and Geophysics on activities carried out between 2015 and 2018. *Geofizika* 36/2. 171-224. (-)

22. Srzić, V.; Lovrinović, I.; Racetin, I.; Pletikosić, F. 2020. Hydrogeological Characterization of Coastal Aquifer on the Basis of Observed Sea Level and Groundwater Level Fluctuations: Neretva Valley Aquifer. *Croatia Water* 12/2. 348, 25 doi:10.3390/w12020348. (\*)
  23. Racetin, I.; Krtalić, A.; Srzić, V.; Zovko, M. 2020. Characterization of short-term salinity fluctuations in the Neretva River Delta situated in the southern Adriatic Croatia using Landsat-5 TM. *Ecological indicators* 110, 1-14. doi:10.1016/j.ecolind.2019.105924. (\*)
  24. Rogulj, K.; Kilić Pamuković, J.; Jajac, N. 2021. Knowledge-Based Fuzzy Expert System to the Condition Assessment of Historic Road Bridges. *Applied Sciences-Basel* 11/3. 1021, 43. doi:10.3390/app11031021. (\*)
  25. Rogulj, K.; Kilić Pamuković, J.; Jajac, N. 2021. A Decision Concept to the Historic Pedestrian Bridges Recovery Planning. *Applied Sciences-Basel* 11/3. 969, 23 doi:10.3390/app11030969. (\*)
  26. Tavra, M.; Racetin, I.; Peroš, J. 2021. The role of crowdsourcing and social media in crisis mapping. A study of a wildfire reaching Croatian City of Split. *Geoenvironmental Disasters* 8/1. 1-16. doi:10.1186/s40677-021-00181-3. (-)
  27. Tavra, M.; Jajac, N.; Cetl, V. 2017. Marine Spatial Data Infrastructure Development Framework: Croatia Case Study. *ISPRS International Journal of Geo-Information* 6/4. 117.17 doi:10.3390/ijgi6040117 (-)
  28. Tavra, M.; Duplančić Leder, T.; Cetl, V. 2018. Stakeholders Needs Requeste Analysis: Towards Croatian Marine Spatial Data Infrastructure Establishment. *Technical Gazette* 25. Suppl. 1. 176-182. DOI 10.17559/TV-20160607222834 (-)
- **POPIS ZNANSTVENO-ISTRAŽIVAČKIH PROJEKATA U ZADNJIH PET GODINA (ČIJI VODITELJ PRIPADA ZIU PROJEKTU I KOJI TEMATSKI PRIPADAJU OVOM ZIU PROJEKTU) / A LIST OF SCIENTIFIC PROJECTS WITHIN THE PAST FIVE YEARS**
- E-CITIJENS - Sustav za podršku odlučivanju (SPO) u upravljanju hitnim situacijama za potrebe civilne zaštite zasnovan na građanskom novinarstvu, a za poboljšanje sigurnosti na području Jadrana, voditelj projekta: Martina Baučić i Snježana Knezić, izvor financiranja: Program prekogranične suradnje INTERREG V-A Italija – Hrvatska 2014. – 2020. /
- E-CITIJENS - Decision Support System (SPO) in emergency management for civil protection based on citizen journalism, aiming to improve security in the Adriatic. Project leaders: Martina Baučić, Ph.D., and Snježana Knezić, Ph.D.; Funding source: Cross-border cooperation program INTERREG VA Italy–Croatia, 2014–2020

• **SLJ – LABORATORIJ ZA GODEZIJU I GEOINFORMATIKU / SPECIALIZED LABORATORY UNIT (SLU) – GEODESY AND GEOINFORMATICS LABORATORY**

• **VODITELJ SLJ / HEAD OF THE SLU:**  
Prof.dr.sc. Tea Duplančić Leder

• **OPIS DJELATNOSTI SLJ-A / WORK TOPICS OF THE SLU:**

Geodetsko-geoinformacijski laboratorij provodit će istraživanja optimizacije prikupljanja, obrade i analize geoprostornih podataka dobivenih senzorima s V3 karakteristikama (velocity, volume, variety) kao što su: totalne stanice, GNSS uređaji, 3D laser skeneri, digitalne kamere (s termalnim spektrom), hiperspektralni senzori i dr. Laboratorij će, također, obavljati prilagodbu i izradu programskih aplikacija za obradu i analizu geoprostornih podataka (npr. algoritama obrade GNSS mjerenja, geostatističkih analiza, interpolacijskih metoda i dr.) te izradu i testiranje modela za geoprostorne analize. Precizne prostorne podatke i modele moći će koristiti ostali SLJ laboratoriji FGAG-a kao i ostale istraživačke i gospodarske institucije Republike Hrvatske. /

*The Geodesy and Geoinformatics Laboratory team will conduct research with the scope of optimizing the collection, processing, and analysis of geospatial data obtained by sensors with V3 characteristics (velocity, volume, variety) such as total stations, GNSS devices, 3D laser scanners, digital cameras (with thermal spectrum), hyperspectral sensors. The Laboratory will also adapt and develop software applications for processing and analysis of geospatial data (e.g., algorithms for processing GNSS measurements, geostatistical analysis, interpolation methods, etc.) and the development and testing of models for geospatial analysis. Precise spatial data and models will be able to be used by other SLUs at the Faculty, as well as other research and economic institutions of the Republic of Croatia.*

• **POPIS PET NAJZNAČAJNIJIH KOMADA OPREME U LABORATORIJU / A LIST OF THE FIVE MOST IMPORTANT PIECES OF LABORATORY EQUIPMENT**

- GNSS senzori / GNSS sensors
- totalne stanice / Total stations
- digitalni nivelir / A digital level
- 3D skener / A 3D scanner
- autonomna letjelica i kamere / An autonomous aircraft (a drone) and cameras
- dubinomjer / An echosounder
- Softveri za obradu mjerenih podataka / Software for processing measured data

# ZNANSTVENO-ISTRAŽIVAČKA I UMJETNIČKA LOGIČKA CJELINA ZA ISTRAŽIVANJA GIS-A I MODELIRANJE PODRŠKE ODLUČIVANJU

• **VODITELJ ZIU LC /  
HEAD OF THE SARLU:**  
doc. dr. sc. Martina Baučić

**ZIU PROJEKTI U SKLOPU ZIU LC /  
SCIENCE AND ARTS RESEARCH (SAR) PROJECTS WITHIN THE SARLU**

• **NAZIV ZIU PROJEKTA /  
SAR PROJECT TITLE:**  
Geografski informacijski sustavi i modeliranje podrške odlučivanju u graditeljstvu

• **VODITELJ ZIU PROJEKTA /  
HEAD OF THE SAR PROJECT:**  
doc. dr. sc. Martina Baučić

• **UKRATKO O ZIU PROJEKTU /  
SAR PROJECT DESCRIPTION:**

Istraživanje se odnosi na dvije teme: geografske informacijske sustave (GIS) i modeliranje podrške odlučivanju u graditeljstvu. Obuhvaća, kao što je rečeno, geoinformacijske sustave i povezuje ih s upravljačkim, optimizacijskim i semantičkim modelima, odnosno razvija sustave ili koncepte za podršku odlučivanju u različitim područjima ljudske aktivnosti s posebnim naglaskom na graditeljske i s njima povezane aktivnosti. Istraživanje također obuhvaća sustave za prikupljanje geoprostornih podataka, algoritme za obradu, semantičko modeliranje, povezivanje (engl. data fusion) i diseminaciju geoprostornih podataka te specifičnosti geoprostorno-vremenskih i pametnih podataka (engl. smart data). Nadalje, obuhvaća upravljačke, optimizacijske i semantičke modele u upravljanju katastrfama, vodnim resursima, prometnom infrastrukturom, razvojem gradova i sl. te proširuje s geoinformacijskim sustavima i sustavima za podršku odlučivanju (SPO). Modeliranje podrške odlučivanju u graditeljstvu (posebno u upravljanju projektima s naglaskom na podršku planiranju) istraživačka je tematska cjelina bazirana na logici sustava za podršku odlučivanju, višekriterijalnoj analizi i pripadajućim višekriterijalnim metodama, umjetnoj inteligenciji i ekspertnim sustavima. Istraživanja ovog ZIU projekta pripadaju području Tehničkih znanosti i Interdisciplinarnog područja znanosti. /

*Geographic information systems (GIS) and decision-support modeling in construction are two primary research foci of this project. Specifically, the research in this project interconnects geoinformation systems with management, optimization, and semantic models, i.e., its objective is to develop systems or concepts to support decision making in various areas of human activity with particular emphasis on construction and related activities. The research also includes and utilizes systems for collecting geospatial data, processing algorithms, semantic modeling, linking (data fusion) and dissemination of geospatial data, and the specifics of geospatial-temporal and smart data. Furthermore, the research covers management, optimization, and semantic models in disaster management, water resources, transport infrastructure, urban development, and similar, and expands them with geoinformation systems and decision support systems (DSS). Modeling decision*

# SCIENCE AND ARTS RESEARCH LOGICAL UNIT (SARLU) FOR GIS RESEARCH AND DECISION- SUPPORT MODELING

*support in construction (especially in project management with emphasis on planning support) is a research thematic unit based on the logic of decision-support systems, multicriteria analysis and associated multicriteria methods, artificial intelligence, and expert systems. The research of this SAR project belongs to the field of technical sciences and the interdisciplinary field of science.*

• **ISTRAŽIVAČKE TEME ZIU PROJEKTA /  
RESEARCH TOPICS OF THE SAR PROJECT**

- Izrada koncepta i testiranje prototipova sustava za podršku odlučivanju koji uključuju geoprostornu bazu podataka i analize (eng. GIS based DSS) / *Development of concepts and testing of prototypes of decision support systems that include geospatial database and analysis (GIS-based DSS)*
- Modeliranje sustava/koncepta za podršku odlučivanju (i/ili planiranju) u upravljanju:
  - cestovnom infrastrukturom (projektima održavanja, funkcionalnog unaprjeđivanja i razvoja) s posebnim naglaskom na infrastrukturi prometa u mirovanju
  - graditeljskim i ostalim projektima i planerskim problemima (investicijama, uklanjanju fizičkih barijera i prilagodbe javnih prostora invalidima, razminiranju i incidentnim / žurnim situacijama)
  - projektima obnove, održavanja i „resiliencea“ graditeljskog nasljeđa,
  - pomorskim dobrom i održivim ribarstvom,
  - projektima urbane obnove (komasacija),
  - projektima gospodarenja krutim i tekućim otpadom,
  - vrijednostima nekretnina i masovnoj procjeni vrijednosti nekretnina,
  - projektima održavanja i energetske obnove višestambenih i /ili javnih zgrada. /
- *Modeling of systems/concepts to support decision making and planning in the management:*
  - *of road infrastructure (maintenance, functional improvement, and development projects) with particular emphasis on stationary traffic infrastructure,*
  - *of construction and other projects and planning problems (investments, removal of physical barriers and adaptation of public spaces for the disabled, demining and incident-emergency situations)*
  - *of projects for the restoration, maintenance, and "resilience" of architectural heritage,*
  - *of the maritime domain and sustainable fisheries,*
  - *of urban renewal projects (consolidation),*
  - *of solid and liquid waste management projects,*
  - *of real estate values and mass valuation of real estate,*
  - *of projects for maintenance and energy renovation of apartments and public buildings.*
- Eksperimentiranje s primjenom GIS-om podržanog SPO-a u novim područjima / *Experimenting with the application of GIS-supported DSS in new areas*
- Prilagodba postojećih i izrada novih programskih aplikacija za diseminaciju i korištenje geoprostornih podataka (npr. geoportali, e-servisi i dr.) /

*Adaptation of the existing and development of new software applications for disseminating and using geospatial data (e.g., geoportals, e-services).*

• **ČLANOVI ZIU PROJEKTA /  
MEMBERS OF ZIU PROJECT:**  
Samanta Bačić, mag. ing. geod. et geoinf.  
doc. dr. sc. Martina Baučić  
prof. dr. sc. Tea Duplančić Leder  
Frane Gilić, mag. ing. geod. et geoinf.  
Majda Ivić, mag. ing. geod. et geoinf.  
izv. prof. dr. sc. Nikša Jajac  
doc. dr. sc. Jelena Kilić  
prof. dr. sc. Snježana Knezić  
Martina Milat, mag. ing. aedif.  
izv. prof. dr. sc. Nives Ostojčić-Škomrlj  
mr. sc. Slobodan Pavašević, dipl. ing. mat.  
Josip Peroš, mag. ing. geod. et geoinf.  
dr. sc. Ivan Racetin  
doc. dr. sc. Katarina Rogulj  
Marina Tavra, mag. ing. geod. et geoinf.  
Milena Vulević, mag. math.

• **POPIS ZNANSTVENIH RADOVA U ZADNJIH 5 GODINA /  
A LIST OF SCIENTIFIC PAPERS PUBLISHED WITHIN  
THE PAST FIVE YEARS**

2021.

Kilić Pamuković, Jelena; Rogulj, Katarina; Dumanić, Daniela; Jajac, Nikša. 2021. A Sustainable Approach for the Maintenance of Asphalt Pavement Construction. Sustainability 13/1. 109, 18 doi:10.3390/su13010109

Nikolić, Željana; Runjić, Luka; Ostojčić Škomrlj, Nives; Benvenuti, Elena. 2021. Seismic Vulnerability Assessment of Historical Masonry Buildings in Croatian Coastal Area. Applied Sciences-Basel 11/13. 1, 27, doi:10.3390/app11135997

Rogulj, Katarina; Kilić Pamuković, Jelena; Jajac, Nikša. 2021. A Decision Concept to the Historic Pedestrian Bridges Recovery Planning. Applied Sciences-Basel 11/3. 969, 23 doi:10.3390/app11030969

Rogulj, Katarina; Kilić Pamuković, Jelena; Jajac, Nikša. 2021. Knowledge-Based Fuzzy Expert System to the Condition Assessment of Historic Road Bridges. Applied Sciences-Basel 11/3. 1021, 43 doi:10.3390/app11031021

Tavra, Marina; Racetin, Ivan; Peroš, Josip. 2021. The role of crowdsourcing and social media in crisis mapping: a case study of a wildfire reaching Croatian City of Split. Geoenvironmental Disaster 8/1. 1-16 doi:10.1186/s40677-021-00181-3

2020.

Baučić, Martina. 2020. Household Level Vulnerability Analysis—Index and Fuzzy Based Methods. ISPRS International Journal of Geo-Information 9/4. 263, 19 doi:10.3390/ijgi9040263

Hanak, Tomaš; Marović, Ivan; Jajac, Nikša. 2020. Challenges of electronic reverse auctions in construction industry – a review. Economies.8/1. 1-14 doi:10.3390/economies8010013

Ivić, Majda; Kilić, Jelena; Rogulj, Katarina; Jajac, Nikša. 2020. Decision Support to Sustainable Parking Management—Investment Planning through Parking Fines to Improve Pedestrian Flows. Sustainability 12/22. 1-19 doi:10.3390/su12229485

Kilić Pamuković, Jelena; Rogulj, Katarina; Jajac, Nikša. 2020. Assessing the Bonitet of Cadastral Parcels for Land Reallocation in Urban Consolidation. Land (Basel) 10/1. 9, 31 doi:10.3390/land10010009

2019.

Jajac, Nikša; Kilić, Jelena; Rogulj, Katarina. 2019. An Integral Approach to Sustainable Decision- Making within Maritime Spatial Planning—A DSC for the Planning of Anchorages on the Island of Šolta, Croatia. Sustainability 11/1. 1-27 doi:10.3390/su11010104

Jajac, Nikša; Marović, Ivan; Rogulj, Katarina; Kilić, Jelena. 2019. Decision Support Concept to selection of wastewater treatment plant location – the case study of town of Kutina, Croatia Water 11/4. 1-16 doi:10.3390/w11040717

Kilić, Jelena; Jajac, Nikša; Rogulj, Katarina; Mastelić-Ivić, Siniša. 2019. Assessing Land Fragmentation in Planning Sustainable Urban Renewal. Sustainability 11/9. 1-24 doi:10.3390/su11092576

Kilić, Jelena; Rogulj, Katarina; Jajac, Nikša. 2019. Fuzzy expert system for land valuation in land consolidation processes. Croatian operational research review 10. 89-103 doi:10.17535/crorr.2019.0009

2018.

Hanak, Tomaš; Marović, Ivan; Jajac, Nikša. 2018. Effect of electronic reverse auctions on competition and abnormally low bids in public construction procurement. Tehnički vjesnik: znanstveno-stručni časopis tehničkih fakulteta Sveučilišta u Osijeku 25, Suppl. 1. 144-148 doi:10.17559/TV.20160212144243

Kilić, Jelena; Jajac, Nikša; Marović, Ivan. 2018. GIS-based decision support concept to planning of land acquisition for realization of urban public projects. Croatian operational research review 9/1. 11-24 doi:10.17535/crorr.2018.0002

Marović, Ivan; Androjić, Ivica; Jajac, Nikša; Hanak, Tomaš. 2018. Urban road infrastructure maintenance planning with application of neural networks. Complexity 2018. 5160417, 10 doi:10.1155/2018/5160417

Rogulj, Katarina; Jajac, Nikša. 2018. Achieving a Construction Barrier-Free Environment: Decision Support to Policy Selection. Journal of management in engineering 34/4. 18020-18020 doi:10.1061/(ASCE)ME.1943-5479.0000618

2017.

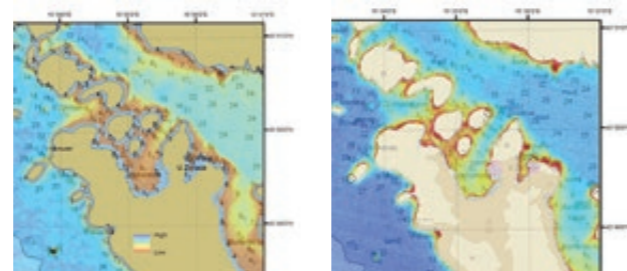
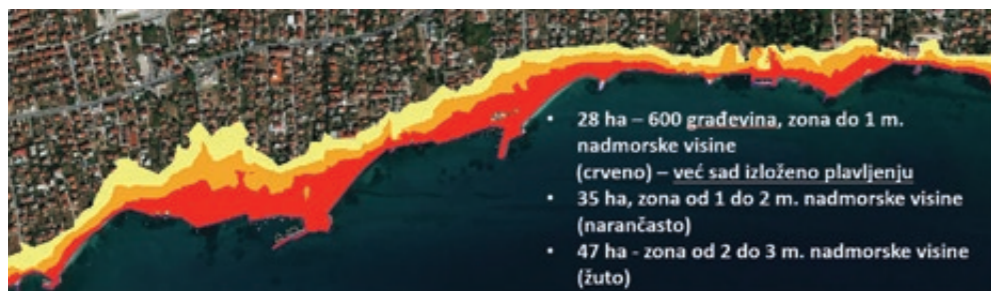
Jajac, Nikša; Rogulj, Katarina; Radnić, Jure. 2017. Selection of the Method for Rehabilitation of Historic Bridges – A Decision Support Concept for the Planning of Rehabilitation Projects. International Journal of Architectural Heritage 11/2. 261-277 doi:10.1080/15583058.2016.1207113

Mladineo, Nenad; Mladineo, Marko; Knezić, Snježana. 2017. Web MCA-based Decision Support System for Incident Situations in Maritime Traffic: Case Study of Adriatic Sea. Journal of navigation 70/6. 1312-1334 doi:10.1017/S0373463317000388

Rogulj, Katarina; Jajac, Nikša; Šimić, Franjo. 2017. Decision Support Concept for a construction design project – selecting the type of glass facade. Croatian operational research review 8/1. 333-350 doi:10.17535/crorr.2017.0021

Tavra, Marina; Kilić, Jelena; Cetl, Vlado. 2017. Implementacija geoportala u sklopu Infrastrukture prostornih podataka o moru. e-Zbornik. Elektronički zbornik radova Građevinskog fakulteta 13/1. 47-55

Tavra, Marina; Jajac, Nikša; Cetl, Vlado. 2017. Marine Spatial Data Infrastructure Development Framework: Croatia Case Study. ISPRS International Journal of Geo-Information 6/4. 117, 17 doi:10.3390/ijgi6040117



**POPIS ZNANSTVENO-ISTRAŽIVAČKIH PROJEKATA U ZADNJIH 5 GODINA (ČIJI VODITELJ PRIPADA ZIU PROJEKTU I KOJI TEMATSKI PRIPADAJU OVOM ZIU PROJEKTU) / A LIST OF SCIENTIFIC PROJECTS WITHIN THE PAST FIVE YEARS:**

- E-CITIJENS, 2019. - 2022., Sustav za podršku odlučivanju (SPO) u upravljanju hitnim situacijama za potrebe civilne zaštite zasnovan na građanskom novinarstvu, a za poboljšanje sigurnosti na području Jadrana, voditelj projekta za FGAG: Snježana Knezić i Martina Baučić, izvor financiranja: EU Interreg IT-CRO / E-CITIJENS, 2019-2022, Civil Protection Emergency DSS based on CITIzen Journalism to ENhance Safety of Adriatic Basin. FGAG project managers: Snježana Knezić, Ph.D.; and Martina Baučić, Ph.D.; Funding source: EU Interreg IT-CRO
- DEEP-SEA, 2019. - 2022., Razvoj planiranja energetske učinkovitosti i mobilnih usluga marina na Jadranskoj obali, voditelj projekta za FGAG: Nikša Jajac, izvor financiranja: EU Interreg IT-CRO / DEEP-SEA, 2019-2022, Development of Energy Efficiency Planning and Services for the Mobility of Adriatic MARINAs. FGAG project manager: Nikša Jajac, Ph.D.; Funding source: EU Interreg IT-CRO

**SLJ – LABORATORIJ ZA GIS I MODELIRANJE PODRŠKE ODLUČIVANJU SPECIALIZED LABORATORY UNIT (SLU) – GEOGRAPHIC INFORMATION SYSTEMS AND DECISION SUPPORT MODELING LABORATORY**

- **VODITELJ SLJ / HEAD OF THE SLU:**  
doc. dr. sc. Martina Baučić
- **OPIS DJELATNOSTI SLJ / WORK TOPICS OF THE SLU:**

Oprema u okviru specijalizirane laboratorijske jedinice podržava istraživanja primjene GIS-a u različitim područjima ljudske djelatnosti i njegova integriranju u sustave za podršku odlučivanju. Osim istraživanja cilj SLJ-a je osigurati dobru infrastrukturu za

primjenu GIS-a u inženjerskim područjima prenošenjem GIS znanja na druge istraživačke skupine, kao što su upravljanje vodnim resursima, upravljanje urbanim infrastrukturnim sustavima, upravljanje u situacijama velikih katastrofa i ostalim kriznim situacijama i sl. Oprema također podržava korištenje softvera prikladnih za modeliranje sustava i koncepata za podršku odlučivanju u graditeljstvu s naglaskom na podršku odlučivanju u upravljanju projektima (posebno njihovoj planerskoj fazi) modeliranjem višekriterijalnih modela odlučivanja, modela umjetne inteligencije i ekspertnih sustava. /

*The equipment within the specialized laboratory unit supports research into GIS application in various areas of human activity and its integration into decision support systems. In addition to research, the goal of SLU is to provide a good infrastructure for the application of GIS in engineering fields by transferring GIS knowledge to other research groups, such as water resources management, urban infrastructure systems management, management in major disasters and other crises. The equipment also supports the use of software suitable for modeled systems and decision support concepts in construction, emphasizing decision support in project management (especially their planning phase) by modeling multicriteria decision models, artificial intelligence models, and expert systems.*

- **POPIS PET NAJZNAČAJNIJIH KOMADA OPREME U LABORATORIJU / A LIST OF THE FIVE MOST IMPORTANT PIECES OF LABORATORY EQUIPMENT**
- poslužitelji za baze podataka, aplikacije i web diseminaciju / Database application and web dissemination servers
- radna stanica za obradu geoprostornih podataka / A workstation for geospatial data processing
- sustav za pohranu podataka / A data storage system
- ArcGIS softver / ArcGIS software
- softveri za razvoj aplikacija, modeliranje sustava i višekriterijalno odlučivanje, razvoj modela umjetne inteligencije. / Software for application development, system modeling, multicriteria decision making, and the development of artificial intelligence models

## ZNANSTVENO-ISTRAŽIVAČKA I UMJETNIČKA LOGIČKA CJELINA ZA ISPITIVANJE KONSTRUKCIJA

- **VODITELJ ZIU LC / HEAD OF THE SARLU:**  
doc. dr. sc. Vladimir Divić
- **ZIU PROJEKTI U SKLOPU ZIU LC / SCIENCE AND ARTS RESEARCH (SAR) PROJECTS WITHIN THE SARLU**

- **NAZIV ZIU PROJEKTA / SAR PROJECT TITLE:**  
Istraživanje ponašanja različitih tipova konstrukcija / Research of Structures Built from Various Materials

- **VODITELJ ZIU PROJEKTA / HEAD OF THE SAR PROJECT:**  
doc. dr. sc. Vladimir Divić

- **UKRATKO O ZIU PROJEKTU / SAR PROJECT DESCRIPTION:**

U sklopu ovog projekta istražuju se mehanička svojstva čeličnih, aluminijskih, drvenih i staklenih konstrukcija pri atmosferskim i povišenim temperaturama. Konstrukcije se ispituju na terenu ili u laboratoriju pomoću suvremenih kontaktnih i beskontaktnih metoda mjerenja. U projektu je posebni naglasak na istraživanju puzanja u čeličnim i aluminijskim konstrukcijama pri atmosferskim i povišenim temperaturama i istraživanju mehaničkih svojstava lameliranih staklenih konstrukcija. Pored samih eksperimentalnih istraživanja konstrukcija u sklopu laboratorija razvijaju se i novi mjerni sustavi i protokoli ispitivanja prilagođeni za mjeriteljstvo u konstrukcijama i drugim granama građevinarstva. Konačni je cilj projekta dati smjernice za sigurniju i ekonomičniju primjenu novih konstrukcija i povećanje otpornosti postojećih objekata. /

*The project aims to investigate the mechanical properties of steel, aluminium, timber and glass constructions under atmospheric and high-temperature conditions. The research methodology includes both fieldwork and laboratory experimentation, with the implementation of state-of-the-art contact and contactless measurement methods. The project's most prominent research topics are creep in steel and aluminium construction elements in high-temperature conditions, as well as mechanical and rheological properties of laminated glass construction elements. Along with the experimental research of mechanical properties, new laboratory measurement systems and protocols will be developed for the testing of structures and for the application in other aspects of civil engineering. The project's main purpose is to produce guidelines for a safer and more cost-effective use of new buildings, and for an enhanced durability of existing structures.*

- **ISTRAŽIVAČKE TEME ZIU PROJEKTA / RESEARCH TOPICS OF THE SAR PROJECT**
- Definiranje mehaničkih karakteristika novih građevinskih materijala i konstrukcijskih sustava s naglaskom na statička i dugotrajna opterećenja / Research of mechanical characteristics of construction materials and systems under static and long-term loading
- Analiza složenih konstrukcijskih elemenata u interakciji više djelovanja / Research of complex interaction of structural elements under multiple load scenarios

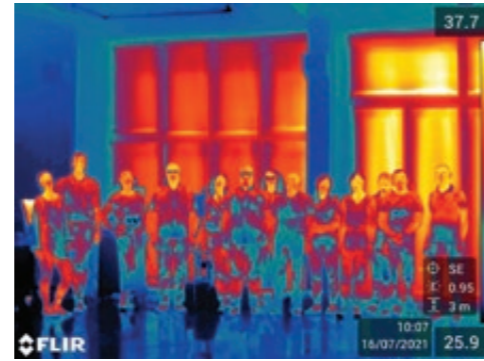
## SCIENCE AND ARTS RESEARCH LOGICAL UNIT (SARLU) FOR THE TESTING OF STRUCTURES

- Ispitivanje energetske učinkovitosti materijala / Research of energy efficient materials
- Izrada novih mjernih sustava i protokola za ispitivanje i monitoring konstrukcija / Development of new measurement systems and protocols for short-term and long-term structural monitoring

- **ČLANOVI ZIU PROJEKTA / MEMBERS OF ZIU PROJECT:**  
doc. dr. sc. Ivan Balić  
prof. dr. sc. Ivica Boko  
doc. dr. sc. Vladimir Divić  
dr. sc. Morena Galešić  
prof. dr. sc. Mirela Galić  
Marko Goreta  
Gabrijela Grozdanić  
Tin Hrčić  
Jelena Lovrić Vranković  
prof. dr. sc. Pavao Marović  
Josip Peroš  
dr. sc. Ivan Racetin  
Marina Tavra  
izv. prof. dr. sc. Neno Torić  
prof. dr. sc. Boris Trogrlić  
doc. dr. sc. Ivana Uzelac Glavinić  
doc. dr. sc. Nikolina Živaljić

**POPIS ZNANSTVENIH RADOVA U ZADNJIH 5 GODINA / A LIST OF SCIENTIFIC PAPERS PUBLISHED WITHIN THE PAST FIVE YEARS**

1. Goreta, Marko; Torić, Neno; Boko, Ivica. 2021. Calibration of an Existing Creep Model for Analysis of Aluminium Members Exposed to Constant Temperature. International journal for engineering modelling 34/2. 1-15 doi:10.31534/engmod.2021.2.ri.01m (međunarodna recenzija, članak, znanstveni)
2. Uzelac Glavinić, Ivana; Boko, Ivica; Torić, Neno; Lovrić Vranković, Jelena. 2020. Primjena tvrdih listača za izradu lameliranih nosača u Europi. Građevinar: časopis Hrvatskog saveza građevinskih inženjera 72/7. 607-616 doi:10.14256/JCE.2741.2019 (domaća recenzija, pregledni rad, znanstveni)
3. Torić, Neno; Boko, Ivica; Burgess, Ian W.; Divić, Vladimir. 2020. The effect of high-temperature creep on buckling behaviour of aluminium grade EN6082AW T6 columns. Fire safety journal. doi:10.1016/j.firesaf.2020.102971 (međunarodna recenzija, prihvaćen)
4. Torić, Neno; Boko, Ivica; Divić, Vladimir; Burgess, Ian W. 2018. Behaviour of Steel Grade S275JR Columns under the Influence of High-Temperature Creep. Metals 8/11. 874, 16 doi:10.3390/met8110874 (međunarodna recenzija, članak, znanstveni)
5. Torić, Neno; Brnić, Josip; Boko, Ivica; Brčić, Marino; Burgess, Ian W.; Uzelac Glavinić, Ivana. 2017. Development of a high temperature material model for grade s275jr steel. Journal of constructional steel research 137. 161-168. doi:10.1016/j.jcsr.2017.06.020 (međunarodna recenzija, članak, znanstveni)



6. Torić, Neno; Brnić, Josip; Boko, Ivica; Brčić, Marino; Burgess, Ian W.; Uzelac, Ivana. 2017. Experimental Analysis of the Behaviour of Aluminium Alloy EN6082 AW T6 at High Temperature. *Metals* 7/4. 1–15. doi:10.3390/met7040126 (međunarodna recenzija, članak, znanstveni)
  7. Torić, Neno; Boko, Ivica; Juradin, Sandra; Baloević, Goran. 2016. Mechanical Properties of Light-Weight Concrete After Fire Exposure. *Structural concrete* 17/6. 1071–1081. doi:10.1002/suco.201500145 (međunarodna recenzija, članak, znanstveni)
  8. Divić, Vladimir; Galešić, Morena; Di Dato, Mariaines; Tavra, Marina; Andrićević, Roko. 2020. Application of Open Source Electronics for Measurements of Surface Water Properties in an Estuary: A Case Study of River Jadro, Croatia Water 12. 209, 29 doi:10.3390/w12010209 (međunarodna recenzija, članak, znanstveni)
  9. Batinić, Milko; Galić, Mirela; Trogrlić, Boris; Divić, Vladimir; Racetin, Ivan; Mihanović, Ante. 2018. Combined photogrammetry and mechanical testing of fired clay brick. *Materialwissenschaft und Werkstofftechnik* 49. 1399–1408. doi:10.1002/mawe.201700106 (međunarodna recenzija, članak, znanstveni)
  10. Galić, Mirela; Marović, Pavao. 2017. Validation of the developed triaxial nonlinear material model for concrete. *Engineering review : znanstveni časopis za nove tehnologije u strojarstvu, brodogradnji i elektrotehnici* 37/3. 298–313 (međunarodna recenzija, članak, znanstveni)
  11. Nikolić, Željana; Krstevska, Lidija; Marović, Pavao; Smoljanović, Hrvoje. 2019. Experimental investigation of seismic behaviour of the ancient Protiron monument model. *Earthquake engineering & structural dynamics* 48/6. 573–593. doi:10.1002/eqe.3149 (međunarodna recenzija, članak, znanstveni)
  12. Torić, Neno; Uzelac Glavinici, Ivana; Burgess, Ian W. 2018. DEVELOPMENT OF A RHEOLOGICAL MODEL FOR CREEP STRAIN EVOLUTION IN STEEL AND ALUMINIUM AT HIGH TEMPERATURE. *Fire and materials* 42/8. 879–888. doi:10.1002/fam.2643 (međunarodna recenzija, članak, znanstveni)
  13. Torić, Neno; Sun, Rui Rui; Burgess, Ian W. 2016. DEVELOPMENT OF A CREEP-FREE STRESS-STRAIN LAW FOR FIRE ANALYSIS OF STEEL STRUCTURES. *Fire and materials* 40/7. 896–912 (međunarodna recenzija, članak, znanstveni)
  14. Torić, Neno; Sun Rui, Rui; Burgess, Ian W. 2016. Creep-free fire analysis of steel structures with Eurocode 3 material model. *Journal of structural fire engineering* 7/3. 234–248 doi:10.1108/JSFE-09-2016-016 (međunarodna recenzija, članak, znanstveni)
- **POPIS ZNANSTVENO-ISTRAŽIVAČKIH PROJEKATA U ZADNJIH PET GODINA (ČIJI VODITELJ PRIPADA ZIU PROJEKTU I KOJI TEMATSKI PRIPADAJU OVOM ZIU PROJEKTU) / A LIST OF SCIENTIFIC PROJECTS WITHIN THE PAST FIVE YEARS**
    - Utjecaj deformacija od puzanja na nosivost čeličnih i aluminijskih stupova pri djelovanju požara, 2015. – 2018. Razvoj eksperimentalno

verificiranog modela puzanja čeličnih i aluminijskih legura u građevinarstvu pri atmosferskim i povišenim temperaturama. Izvor financiranja: HRZZ, voditelj projekta: Neno Torić / *Influence of creep strain on the load capacity of steel and aluminium columns exposed to fire 2015 – 2018. Development of experimentally verified rheological model of steel and aluminium columns in atmospheric and high-temperature conditions. Project leader: Neno Torić, Ph.D.; Funding source: Croatian Science Foundation (HRZZ)*

#### SLJ – LABORATORIJ ZA KONSTRUKCIJE SPECIALIZED LABORATORY UNIT (SLU) – STRUCTURES LABORATORY

- **VODITELJ SLJ / HEAD OF THE SLU:**  
doc. dr. sc. Vladimir Divić
- **OPIS DJELATNOSTI SLJ / WORK TOPICS OF THE SLU:**

Specijalizirana oprema u okviru specijalizirane laboratorijske jedinice koristi se za unos djelovanja u konstrukciju (individualni hidraulički cilindri, okviri za unos savojnog i uzdužnog opterećenja, univerzalni stroj za testiranje na vlačna naprezanja, induktivni grijači, peći te termokomora) i mjerenje odgovora konstrukcije u vidu pomaka, deformacija, akceleracija i temperature. Značajan je dio opreme mobilan i može se koristiti za terensko testiranje postojećih konstrukcija. Pored opisane opreme u sklopu laboratorija izrađuju se senzori i sklopovi primarno za monitoring konstrukcija, ali i za druge vidove eksperimentalnih istraživanja u građevinarstvu u suradnji s drugim SLJ-om. /

*The Structures Laboratory uses specialized equipment (individual hydraulic cylinders, bending and compression frames, universal tension testing machine, inductive heaters, furnace, and temperature-controlled chamber) for introducing actions on elements and for measuring structural responses such as accelerations, displacements, strains, and temperature. A significant portion of the equipment is mobile and utilized for field measurements on existing constructions. In addition to the mentioned equipment, transducers and systems are developed and built in the Structures Laboratory. They are primarily used for structural monitoring but may have application in other areas of civil engineering, and be utilized by other SLUs.*

- **POPIS PET NAJZNAČAJNIJIH KOMADA OPREME U LABORATORIJU / A LIST OF THE FIVE MOST IMPORTANT PIECES OF LABORATORY EQUIPMENT**
  - univerzalni stroj za vlačno ispitivanje / A universal tension testing machine
  - okvir s hidrauličkom konzolom za tlačno i savojno testiranje / A flexural/compression frame
  - termokamera / A thermal imager
  - okvir s hidraulikom za unos tlačnog i savojnog opterećenja / A medium scale excentric comperssion frame
  - sustav za akviziciju podataka / A data-acquisition system

## ZNANSTVENO-ISTRAŽIVAČKA I UMJETNIČKA LOGIČKA CJELINA – LABORATORIJ ZA ISTRAŽIVANJE MATERIJALA

- **VODITELJ ZIU LC / HEAD OF THE SARLU:**  
prof. dr. sc. Sandra Juradin
- **ZIU PROJEKTI U SKLOPU ZIU LC / SCIENCE AND ARTS RESEARCH (SAR) PROJECTS WITHIN THE SARLU**
- **NAZIV ZIU PROJEKTA / SAR PROJECT TITLE:**  
Istraživanje poboljšanja svojstva betona i ostalih osnovnih građevinskih materijala / *Improving the Properties of Concrete and Other Basic Building Materials*
- **VODITELJ ZIU PROJEKTA / HEAD OF THE SAR PROJECT:**  
prof. dr. sc. Sandra Juradin
- **UKRATKO O ZIU PROJEKTU / SAR PROJECT DESCRIPTION:**

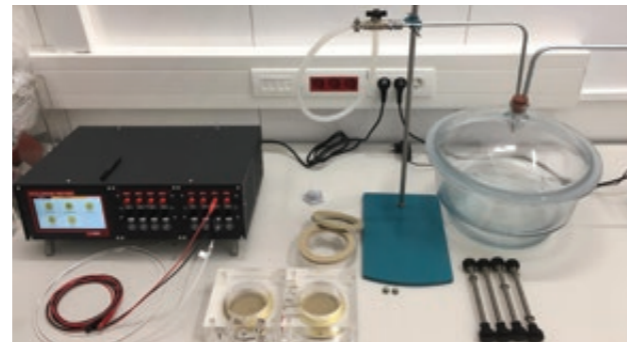
Cilj je projekta obuhvatiti zahtjeve za održivim razvojem i primjenom ekološki prihvatljivih materijala. Istražuje se utjecaj agromaterijala i recikliranog materijala na svojstva cementnog morta i betona, projektira se sastav propusnih betona te ispituje utjecaj visokih temperatura na preostala mehanička svojstva običnog betona, laganog i betona sa raznim dodatcima kao i betona ojačanih sintetičkim i prirodnim vlaknima. Sve više u se svijetu posvećuje velika pozornost uporabi celuloznih vlakana u kompozitnim materijalima. Smatra se da u svakoj klimi (s izuzetkom ekstremnih suhih i hladnih klimatskih uvjeta) može rasti barem jedna biljka koja ima kvalitetna vlakna. Predmet je istraživanja zamjena umjetnih vlakana s lokalno dostupnim vlaknima koja su ekološki prihvatljiva, jeftinija i obnovljiva. Kako se vlakna brniste nisu koristila u cementnim kompozitima, potrebno ih je usporediti s već priznatim celuloznim vlaknima, kao što su vlakna konoplje. Isto tako, gomilanje otpada postaje sve veći problem modernog svijeta i raste potreba za odlagalištima. Recikliranjem otpada (tekstilni otpad, građevinski otpad, EE otpad i sl.) i ugradnjom u građevinski proizvod čuvaju se prirodni izvori materijala, pri čemu treba voditi računa o kvaliteti betona. /

*This project aims to meet the requirements for sustainable development and the application of environmentally friendly materials. Specifically, the objectives are to examine the influence of agro material and recycled material on the properties of cement mortar and concrete, to design the composition of permeable concrete, test the influence of high temperatures on the residual mechanical properties of concrete, lightweight concrete, concrete with various additives, and concrete reinforced with synthetic and natural fibers. Recently, increasingly more attention is being paid to the use of cellulose fibers in composite materials. It is believed that in any climate, except for extremely dry and cold climates, at least one plant with quality fiber can grow. The research objective is to replace artificial fibers with locally available, environmentally friendly, inexpensive, and renewable fibers. As the Spanish broom (*Spartium junceum* L.) fibers have not been used in cement composites, it is necessary to compare their properties with the already utilized cellulose fibers such as hemp fibers. Relatedly, waste accumulation is becoming an increasing problem in the modern world, and the need*

## SCIENCE AND ARTS RESEARCH LOGICAL UNIT (SARLU) FOR THE RESEARCH OF BUILDING MATERIALS

*for landfills is growing. Recycling of waste (textile waste, construction waste, e-waste), and their incorporation into construction products, preserves natural sources of materials. However, this should be accomplished taking into account the quality of concrete.*

- **ISTRAŽIVAČKE TEME ZIU PROJEKTA / RESEARCH TOPICS OF THE SAR PROJECT**
  - Ispitivanje utjecaja visokih temperatura na preostala mehanička svojstva betona / *Investigation of the influence of high temperatures on the residual mechanical properties of concrete*
  - Uporaba recikliranog otpada (tekstilni otpad, građevinski otpad, EE otpad i sl.) u svrhu smanjivanja eksploatacije kamena / *Use of recycled waste (textile waste, construction waste, e-waste) to reduce the exploitation of mineral resources*
  - Ispitivanje utjecaja načina tretiranja prirodnih vlakana na svojstva ojačanog cementnog kompozita / *Investigation of the influence of natural fiber treatment methods on the properties of reinforced cement composite*
  - Ispitivanje utjecaja sastava i načina ugradnje na svojstva propusnih betona / *Investigation of the influence of composition and method of installation on the properties of permeable concrete*
- **ČLANOVI ZIU PROJEKTA / MEMBERS OF ZIU PROJECT:**  
doc. dr. sc. Goran Baloević  
prof. dr. sc. Ivica Boko  
prof. dr. sc. Sandra Juradin  
izv. prof. dr. sc. Neno Torić
- **POPIS ZNANSTVENIH RADOVA U ZADNJIH 5 GODINA / A LIST OF SCIENTIFIC PAPERS PUBLISHED WITHIN THE PAST FIVE YEARS**
  1. Juradin, Sandra; Netinger Grubeša, Ivanka; Mrakovčić, Silvija; Jozić, Dražan. 2021. Impact of fibre incorporation and compaction method on properties of pervious concrete. *Materiales de Construcción* 71/342. e245, 11.
  2. Juradin, Sandra; Boko, Ivica; Netinger Grubeša, Ivanka; Jozić, Dražan; Mrakovčić, Silvija. 2021. Influence of different treatment and amount of Spanish broom and hemp fibres on the mechanical properties of reinforced cement mortars. *Construction and building materials* 273, 121702, 14 (Acknowledgment)
  3. Juradin, Sandra; Ostojčić-Škomrlj, Nives; Brnas, Ivan; Prolić, Marina. 2020. Influence of binder, aggregate and compaction techniques on the properties of single-sized pervious concrete. *Advances in Concrete Construction* 10/3. 211-220. (Acknowledgment)
  4. Romić, Ana; Juradin, Sandra; Boko, Ivica; Torić, Neno. 2020. INFLUENCE OF MIXTURE DESIGN, AGE, AND COOLING REGIME ON POSTFIRE MECHANICAL PROPERTIES OF LIGHTWEIGHT SELF-COMPACTED CONCRETE. *E-GFOS: elektronički časopis građevinskog fakulteta Osijek* 20. 1-12. (Acknowledgment)
  5. Juradin, Sandra; Boko, Ivica; Netinger Grubeša, Ivanka; Jozić, Dražan; Mrakovčić, Silvija. 2019. Influence of harvesting time and



maceration method of Spanish Broom (*Spartium junceum* L.) fibers on mechanical properties of reinforced cement mortar. *Construction and building materials* 225. 243-255.

6. Juradin, Sandra; Ostojić-Škomrlj, Nives; Lovrić, Mislav; Glibo, Nikolina. 2018. EFFECT OF FILLER FROM RECYCLED CONSTRUCTION WASTE ON PROPERTIES OF SELF-COMPACTING CONCRETE IN FRESH AND HARDENED STATES. *Electronic Journal of the Faculty of Civil Engineering Osijek-e-GFOS* 9/17. 52–63.
7. Juradin, Sandra; Boko Ivica. 2018. Possibility of cement composite reinforcement by Spanish broom fibres. *Građevinar* 70/6. 487-495.
8. Baloević, Goran; Radnić, Jure; Grgić, Nikola; Matešan, Domagoj. 2018. Behavior of fiber reinforced mortar composites under impact load. *Latin American Journal of Solids and Structures* 15/2. 1-13.
9. Torić, Neno; Boko, Ivica; Juradin, Sandra; Baloević, Goran. 2016. Mechanical Properties of Light-Weight Concrete After Fire Exposure. *Structural concrete* 17/6. 1071-1081.

**SLJ – LABORATORIJ ZA MATERIJALE /  
SPECIALIZED LABORATORY UNIT –  
BUILDING MATERIALS LABORATORY**

- **VODITELJI SLJ /  
HEADS OF THE SLU:**  
prof. dr. sc. Juradin Sandra i doc. dr. sc. Baloević Goran

- **OPIS DJELATNOSTI SLJ /  
WORK TOPICS OF THE SLU:**

Djelatnosti su laboratorija za materijale istraživanje i razvoj građevinskih materijala uz nastavni i znanstveno-istraživački rad. Ispitivanje građevinskih materijala, posebice cementa i betona, obuhvaća ispitivanja u svježem i očvrslom stanju. Osim uređaja za standardna ispitivanja cementnih kompozita, laboratorij je opremljen uređajima za ispitivanje difuzije klorida, vodonepropusnosti, plinopropusnosti, deformacije puzanja, otpornosti na mraz i otpornosti na habanje. Laboratorij je također opremljen i uređajima za neka terenska ispitivanja. Sva

laboratorijska oprema može se podijeliti u nekoliko osnovnih grupa: uređaji za pripremu i obradu uzoraka, uređaji za ispitivanje cementa, uređaji za ispitivanje agregata, uređaji za ispitivanje betona u svježem i očvrslom stanju te uređaji za nerazorna ispitivanja. /

*The principal activities carried out in the Building Materials Laboratory are teaching and research and development of construction materials. Testing building materials, especially cement and concrete, includes testing in fresh and hardened states. In addition to devices for standard testing of cement composites, the Building Materials Laboratory is equipped with devices for testing chloride diffusion, water permeability, gas permeability, creep deformation, frost resistance, and abrasion resistance. The Laboratory is also equipped with devices for various field tests. All the equipment can be divided into several primary groups: sample preparation and processing equipment, equipment for cement and aggregate testing, equipment for testing concrete in the fresh and hardened state, and non-destructive testing equipment.*

- **POPIS PET NAJZNAČAJNIJIH KOMADA OPREME U LABORATORIJU /  
A LIST OF THE FIVE MOST IMPORTANT PIECES OF LABORATORY  
EQUIPMENT**

- uređaji za ispitivanje puzanja betona /  
*Concrete creep testing equipment*
- uređaji za ispitivanje mehaničkih svojstava očvrsllog cementa i betona /  
*Equipment for testing the mechanical properties of hardened cement and concrete*
- komora za ispitivanje otpornosti na smrzavanje /  
*A climate cabinet*
- uređaj za ispitivanje difuzije klorida /  
*Chloride diffusion testing equipment*
- reometar / *A rheometer*

## ZNANSTVENO-ISTRAŽIVAČKA I UMJETNIČKA LOGIČKA CJELINA LABORATORIJ ZA NUMERIČKA MODELIRANJA

- **VODITELJ ZIU LC /  
HEAD OF THE SARLU:**  
prof. dr. sc. Željana Nikolić
- **ZIU PROJEKTI U SKLOPU ZIU LC /  
SCIENCE AND ARTS RESEARCH (SAR) PROJECTS WITHIN THE SARLU**

- **NAZIV ZIU PROJEKTA /  
SAR PROJECT TITLE:**  
Numeričko modeliranje u građevinarstvu /  
*Numerical Modeling in Civil Engineering*

- **VODITELJ ZIU PROJEKTA /  
HEAD OF THE SAR PROJECT:**  
prof. dr. sc. Željana Nikolić

- **UKRATKO O ZIU PROJEKTU /  
SAR PROJECT DESCRIPTION:**

U sklopu projekta provodit će se numerička istraživanja različitih inženjerskih problema kao razvoj novih numeričkih modela, izvođenje realnih 3D simulacija, izrada novih softvera, podrška projektiranju i istraživanju novih procesa te izradi novih građevina i inženjerskih zahvata u industriji i stvarnim gospodarskim projektima. Istraživanja će biti posebno usmjerena na razvoj novih numeričkih modela i analizu složenih mehanizama ponašanja u području mehanike konstrukcija i materijala, građevinskih konstrukcija izloženih ekstremnim opterećenjima (vjetar, potres, požar, eksplozije), povijesnih građevina u svrhu očuvanja kulturne baštine, građevinskih konstrukcija u tlu i u vodi, mehanike stijena i mehanike tla s naglaskom na analizu stijenskih odrona, klizišta, zbijenih i nesaturiranih materijala te tečenja i pronosa površinskih i podzemnih voda u krškim slivovima. Također će se razvijati numerički algoritmi za modeliranje problema strukturne mehanike pomoću spline funkcija, genetski algoritmi za rješavanje problema iz područja građevinarstva te poboljšanja postojećih matematičkih nejednakosti sa svrhom primjene u fizici i inženjerstvu.

*The project will conduct numerical research of various engineering problems and the development of new numerical models, perform realistic 3D simulations, develop new software, support the design and research of new processes and the construction of new buildings and engineering projects in the industry. The research will be primarily focused on the development of new numerical models and analysis of complex behavior mechanisms in structural mechanics and materials, building structures exposed to extreme loads (wind, earthquake, fire, explosions), historic buildings to preserve cultural heritage, building structures in the ground and water, rock mechanics and soil mechanics with an emphasis on the analysis of rockfalls, landslides, compacted and unsaturated materials, and the flow and transport of surface and groundwater in karst basins. The Laboratory team will also develop numerical algorithms for modeling problems in structural mechanics using spline functions. Genetic algorithms for solving problems in civil engineering and improving the existing mathematical inequalities for application in physics and engineering will be developed, too.*

## SCIENCE AND ARTS RESEARCH LOGICAL UNIT (SARLU) FOR NUMERICAL MODELING

- **ISTRAŽIVAČKE TEME ZIU PROJEKTA /  
RESEARCH TOPICS OF THE SAR PROJECT**

- Razvoj numeričkog modela za širenje pukotina u materijalima izloženima cikličkom i dinamičkom opterećenju metodom konačnih elemenata s ugrađenim diskontinuitetima /  
*Development of a numerical model for crack propagation in materials exposed to cyclic and dynamic loading by the finite element method with embedded discontinuities*
- Razvoj numeričkog modela za opis ponašanja vremenski ovisnih deformacija betona pri 3D analizi armiranobetonskih i prednapetih konstrukcija /  
*Development of a numerical model for time-dependent deformations of concrete in a 3D analysis of reinforced concrete and prestressed structures*
- Razvoj numeričkog modela za opis ponašanja stakla izloženog statičkom i udarnom opterećenju / *Development of a numerical model for the behavior of glass exposed to static and impact loads*
- Razvoj numeričkih modela za analizu stabilnosti štapnih sustava i ljuski koji uključuje materijalnu nelinearnost, male i velike deformacije, velike pomake i velike rotacije /  
*Development of numerical models for the analysis of the stability of beams and shells involving material nonlinearity, small and large deformations, large displacements, and large rotations*
- Numerička analiza plošnih konstrukcija od duktilnih materijala izloženih velikim pomacima, rotacijama i deformacijama s mogućnošću pucanja i kontaktne interakcije /  
*Numerical analysis of flat structures made of ductile materials exposed to large displacements, rotations and deformations with the possibility of cracking and contact interaction*
- Proračun kapaciteta nosivosti i sigurnosti postojećih građevina izloženih ekstremnim opterećenjima s posebnim naglaskom na povijesne građevine u svrhu očuvanja kulturne baštine /  
*Calculation of load-bearing capacity and safety of existing buildings exposed to extreme loads with emphasis on historic buildings to preserve cultural heritage*
- Razvoj numeričkih modela mehanike tla s naglaskom na analizu zbijenih i nesaturiranih materijala /  
*Development of numerical models of soil mechanics with emphasis on the analysis of saturated and unsaturated materials*
- Modeliranje tečenja i pronosa površinskih i podzemnih voda u krškim i drugim slivovima / *Modeling of surface and groundwater flow and transport in karst and other basins*
- Modeliranje „multiphysics“ problema u kojima se povezuju domene s različitim ponašanjem materijala/medija i/ili fizikalnih zakona /  
*Modeling “multiphysics” problems in which domains are associated with different material/media behavior and/or physical laws.*
- Numeričko modeliranje fizikalnih problema vezanih za oštećenja u materijalima (propagacija pukotina, stohastička identifikacija) /  
*Numerical modeling of physical problems related to damage in materials (crack propagation, stochastic identification)*
- Razvoj numeričkih algoritama za modeliranje problema strukturne mehanike pomoću spline funkcija / *Development of genetic algorithms for solving problems in the field of construction, most often those that can be modeled by graphs*
- Poboljšanje bezmrežne metode za rješavanje inženjerskih problema opisanih parcijalnim diferencijalnim jednačbama /  
*Improving the offline method for solving engineering problems described by partial differential equations*

- Razvoj atomskih baznih funkcija eksponencijalnog tipa u numeričkoj mehanici i njihova primjena u inženjerskoj praksi / *Development of atomic base functions of exponential type in numerical mechanics and their application in engineering practice*
- Razvoj genetskih algoritama za rješavanje problema iz područja građevinarstva, najčešće onih koji se mogu modelirati grafovima / *Development of genetic algorithms for solving problems in the field of construction, most often those that can be modeled by graphs*
- Pobljšanje postojećih matematičkih nejednakosti sa svrhom primjene u fizici i inženjerstvu / *Improvement of existing mathematical inequalities for application in physics and engineering*
- Primjena razlomljenog računa na razlomljene diferencijalne nejednakosti u teoriji običnih i parcijalnih diferencijalnih jednadžbi / *Application of fractional calculus to fractional differential inequalities in the theory of ordinary and partial differential equations*
- **ČLANOVI ZIU PROJEKTA / MEMBERS OF ZIU PROJECT:**
- Maja Andrić, Suzana Antunović, Ivan Balić, Senka Banić, Nives-Brajić Kurbaša, Jadran Čarija, Mirela Galić, Blaž Gotovac, Gabrijela Grozdanić, Slavica Ivelić Bradanović, Matea Jelić, Grgo Kamber, Vedrana Kozulić, Neda Lovričević, Pavao Marović, Ante Mihanović, Ante Munjiza, Mijo Nikolić, Željana Nikolić, Matej Šodan, Nikolina Ratković Rubić, Jelena Sedlar, Hrvoje Smoljanović, Boris Trogrlić, Milena Vulević, Nikolina Živaljić
- **POPIS ZNANSTVENIH RADOVA U ZADNJIH 5 GODINA / A LIST OF SCIENTIFIC PAPERS PUBLISHED WITHIN THE PAST FIVE YEARS**
- Nikolic, M.; Ibrahimbegovic, A.; Miscevic, P. 2016. Discrete element model for the analysis of fluid-saturated fractured poro-plastic medium based on sharp crack representation with embedded strong discontinuities. *Computer Methods in Applied Mechanics and Engineering* 298. 407-427.
  - Smoljanović, H.; Nikolić, Ž.; Živaljić, N.; Balić, I. 2016. Stability of rigid blocks exposed to single-pulse excitation. *Acta mechanica* 227/6. 1671-1684.
  - Balić, I.; Živaljić, N.; Smoljanović, H.; Trogrlić, B. 2016. Seismic resistance of dry stone arches under in-plane seismic loading. *Structural Engineering and Mechanics* 58/2. 243-257.
  - Brajić Kurbaša, N.; Gotovac, B.; Kozulić, V. 2016. Atomic Exponential Basis Function  $Eup(x, \omega)$  - Development and Application. *CMES: Computer Modeling in Engineering & Sciences* 111/6. 493-530.
  - Nikolic, M.; Roje Bonacci, T.; Ibrahimbegovic, A. 2016. Overview of the numerical methods for the modelling of rock mechanics problems. *Tehnički vjesnik* 23/2. 627-637.
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  - Galić, M.; Marović, P. 2017. Validation of the developed triaxial nonlinear material model for concrete. *Engineering Review* 37/3. 298-313.
  - Nikolić, Ž.; Krstevska, L.; Marović, P.; Smoljanović, H. 2017. Shaking table test of scaled model of Protiron dry stone masonry structure. *Procedia Engineering* 199. 3386-3391.
  - Balić, I.; Trogrlić, B.; Mihanović, A. 2017. Simplified multimodal pushover target acceleration method for seismic resistance analysis of medium-rise RC structures. *KSCE Journal of Civil Engineering* 21. 378-388.
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  - Nikolić, M.; Ibrahimbegovic, A.; Mišćević, P. 2017. Discrete lattice element approach for rock failure modeling, e-GFOS 8, 14. 1-7.
  - Schiava, D.; Lukas, T.; Su, F.; Munjiza, A. 2017. Numerical comparison of some contact detection algorithms. *Engineering Computations* 34. 832-851.
  - Suponitsky, V.; Plant, D.; Avital, E. J.; Munjiza, A. 2017. Pressure Wave in Liquid Generated by Pneumatic Pistons and Its Interaction with a Free Surface. *International Journal of Applied Mechanics* 9. 1-23.
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  - Ivelić Bradanović, S. 2021. More Accurate Majorization Inequalities Obtained Via Superquadracity and Convexity with Application to Entropies. *Mediterranean journal of mathematics* (1660 - 5446) 18 (2021).1-16



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60. Sedlar J.; Škrekovski, R. 2021. Extremal mixed metric dimension with respect to the cyclomatic number. *Applied Mathematics and Computation* 404. 126238.
61. Sedlar, J.; Škrekovski, R. 2021. Mixed metric dimension of graphs with edge disjoint cycles. *Discrete Applied Mathematics* 300. 1-8.

• **POPIS ZNANSTVENO-ISTRAŽIVAČKIH PROJEKATA U ZADNJIH PET GODINA (ČIJI VODITELJ PRIPADA ZIU PROJEKTU I KOJI TEMATSKI PRIPADAJU OVOM ZIU PROJEKTU) / A LIST OF SCIENTIFIC PROJECTS WITHIN THE PAST FIVE YEARS**

- Metodologija za procjenu parametara u problemima propagacije pukotina nastalih pod utjecajem ekstremnih mehaničkih opterećenja, HRZZ-UIP-2020-02-6693, HRZZ – Hrvatska zaklada za znanost, Zagreb, 2020. – 2024., Voditelj: doc. dr. sc. Mijo Nikolić / *Parameter estimation framework for fracture propagation problems under extreme mechanical loads, HRZZ-UIP-2020-02-6693, HRZZ – Croatian Science Foundation, Zagreb, 2020-2024, Principal investigator: Mijo Nikolić, Ph.D.*
- Razvoj numeričkih modela armirano-betonskih i kamenih zidanih konstrukcija izloženih potresnom opterećenju zasnovanih na diskretnim pukotinama, HRZZ-IP-2014-09-2319, HRZZ – Hrvatska zaklada za znanost, Zagreb, 2015. – 2019., Voditeljica: prof. dr. sc. Željana Nikolić / *Development of numerical models for reinforced concrete and stone masonry structures under seismic loading based on discrete cracks, IP-2014-09-2319. Funding source: HRZZ – Croatian Science Foundation, Zagreb, 2015-2019. Principal investigator: Željana Nikolić, Ph.D.*
- Projekt razvoja karijera mladih istraživača - izobrazba novih doktora znanosti u okviru HRZZ projekta Razvoj numeričkih modela armirano-betonskih i kamenih zidanih konstrukcija izloženih potresnom opterećenju zasnovanih na diskretnim pukotinama, HRZZ – Hrvatska zaklada za znanost, Zagreb, 2017. – 2021., Voditeljica: prof. dr. sc. Željana Nikolić / *Project development of carriers of young investigators - training of new doctors of science within the HRZZ project "Development*

*of numerical models for reinforced concrete and stone masonry structures under seismic loading based on discrete cracks." Funding source: HRZZ – Croatian Science Foundation, Zagreb, 2017-2021. Principal investigator: Željana Nikolić, Ph.D.*

- Preventing, Managing and Overcoming Natural-Hazards Risks to mitiGATE economic and social impact (PMO-GATE), Programme 2014 - 2020 INTERREG V-A Italy – Croatia, 2019. -2022., Voditeljica za FGAG: prof. dr. sc. Željana Nikolić / *Preventing, Managing and Overcoming Natural-Hazards Risks to mitiGATE economic and social impact (PMO-GATE), Programme 2014 - 2020 INTERREG V-A Italy – Croatia, 2019-2022. Project leader for FGAG: Željana Nikolić, Ph.D.*
- **POPIS UMJETNIČKIH DJELA I ZNAČAJNIH OSTVARENJA U ZADNJIH PET GODINA / A LIST OF ARTWORKS AND ACHIEVEMENTS WITHIN THE PAST FIVE YEARS**
- Članovi HATZ - Akademija tehničkih znanosti Hrvatske: Pavao Marović, Ante Mihanović, Ante Munjiza / *Members of Croatian Academy of Technical Sciences (HATZ): Pavao Marović, Ante Mihanović, Ante Munjiza*
- Članovi HAZU - Hrvatska akademija znanosti i umjetnosti: Ante Mihanović, Ante Munjiza / *Members of Croatian Academy of Sciences and Arts (HAZU): Ante Mihanović, Ante Munjiza*
- Mijo Nikolić / Najbolja doktorska disertacija u srednjoj Europi iz područja računalne mehanike / Central European Association for Computational Mechanics (CEACM), 2016. / *The best Ph.D. thesis in Computational Mechanics in Central Europe/ Central European Association for Computational Mechanics (CEACM), 2016; Mijo Nikolić*
- Mijo Nikolić / nominacija za najbolju doktorsku disertaciju u Europi iz područja računalne mehanike / European Community on Computational Methods in Applied Sciences (ECCOMAS), 2016. / *Nomination for the best Ph.D. thesis in Computational Mechanics in Europe/European Community on Computational Methods in Applied Sciences (ECCOMAS), 2016; Mijo Nikolić*

- Hrvoje Smoljanović / Nagrada za znanost Sveučilišta u Splitu za 2016. godinu / *Science Award of the University of Split, 2016; Hrvoje Smoljanović*
- Ante Munjiza / Nagrada za znanost Sveučilišta u Splitu za 2018. godinu / *Science Award of the University of Split, 2018; Ante Munjiza*
- Ante Munjiza / Nagrada za znanost Sveučilišta u Splitu za 2020. godinu / *Science Award of the University of Split, 2020; Ante Munjiza*
- Pavao Marović / Uvršten u popis Dictionary of International Biography, 39th edition, International Biographical Centre, Cambridge, England, United Kingdom (early 2018)
- Pavao Marović / Uvršten u popis Marquis Who's Who in the World 2019, 35th Edition, New Providence, New Jersey, U.S.A. (December 2018) / *International Biographical Centre, Cambridge, England, United Kingdom (early 2018); Pavao Marović*
- Pavao Marović / Uvršten u popis Marquis Who's Who in the World 2020, 36th Edition, New Providence, New Jersey, U.S.A. (December 2019) / *Included in the list Marquis Who's Who in the World 2020, 36th Edition, New Providence, New Jersey, U.S.A. (December 2019); Pavao Marović*

**SLJ – LABORATORIJ ZA NUMERIČKA MODELIRANJA  
SPECIALIZED LABORATORY UNIT (SLU) – NUMERICAL  
MODELING LABORATORY**

- **VODITELJ SLJ / HEAD OF THE SLU:**  
prof. dr. sc. Željana Nikolić

- **OPIS DJELATNOSTI SLJ / WORK TOPICS OF THE SLU:**

Specijalizirana oprema u okviru specijalizirane laboratorijske jedinice koristi se za numerička istraživanja inženjerskih problema, razvoj novih numeričkih modela, izvođenje realnih 3D simulacija, izradu novog softvera, podršku projektiranju i istraživanju novih procesa te izradi novih građevina i inženjerskih zahvata u industriji i stvarnim gospodarskim projektima. Istraživanja su posebno usmjerena na razvoj novih numeričkih modela i analizu složenih mehanizama ponašanja u području mehanike konstrukcija i materijala, građevinskih konstrukcija izloženih ekstremnim opterećenjima (vjetar, potres, požar, eksplozije), povijesnih građevina u svrhu očuvanja kulturne baštine, građevinskih konstrukcija u tlu i u vodi, mehanike stijena i mehanike tla te tečenja i pronosa površinskih i podzemnih voda u krškim slivovima. Također će se razvijati numerički algoritmi za modeliranje problema strukturne mehanike pomoću spline funkcija, genetski algoritmi za rješavanje problema iz područja građevinarstva te poboljšanja postojećih matematičkih nejednakosti sa svrhom primjene u fizici i inženjerstvu. /

*As a specialized laboratory unit, the Numerical Modeling Laboratory conducts numerical research, develops new numerical models, performs realistic 3-D simulations, develops new software, provides support for the design and research of new processes and the construction of new buildings and engineering projects in the industry. The research conducted in the laboratory primarily focuses on the development of new numerical models, analysis of complex behavior mechanisms in structural and material mechanics, analysis of building structures exposed to extreme loads (wind, earthquake, fire, explosions), and historic buildings to preserve cultural heritage. Further, we model and analyze soil and water structures, rock and soil mechanics, and the flow and transport of surface and groundwater in karst basins. Numerical algorithms for modeling structural mechanics problems using spline functions, genetic algorithms for solving problems in civil engineering, and improving existing mathematical inequalities for application in physics and engineering are also being developed.*



# ZNANSTVENO-ISTRAŽIVAČKA I UMJETNIČKA LOGIČKA CJELINA - LABORATORIJ ZA POTRESNA ISPITIVANJA

- **VODITELJ ZIU LC /  
HEAD OF THE SARLU:**  
prof. dr. sc. Jure Radnić

## ZIU PROJEKTI U SKLOPU ZIU LC / SCIENCE AND ARTS RESEARCH (SAR) PROJECTS WITHIN THE SARLU

- **NAZIV ZIU PROJEKTA /  
SAR PROJECT TITLE:**  
Eksperimentalno i numeričko testiranje materijala i konstrukcija pri statičkim, dinamičkim i udarnim opterećenjima / *Experimental and Numerical Testing of Materials and Structures under Static, Dynamic, and Impact Loads*

- **VODITELJ ZIU PROJEKTA /  
HEAD OF THE SAR PROJECT:**  
prof. dr. sc. Jure Radnić

- **UKRATKO O ZIU PROJEKTU /  
SAR PROJECT DESCRIPTION:**

U sklopu ovoga projekta provode se eksperimentalna istraživanja potresne otpornosti različitih vrsta građevina. Istražuju se razni efekti koji utječu na ponašanje konstrukcije različitih građevina uslijed potresa. Također, istražuju se i novi konstrukcijski sustavi u cilju razvoja seizmički otpornih građevina kao i mogućnosti primjene različitih vrsta seizmičke izolacije. Navedena istraživanja služe poboljšanju razumijevanja ponašanja konstrukcija uslijed potresa kao i izradi novih te poboljšanju postojećih smjernica za gradnju u seizmički aktivnim zonama. Za cilj imaju povećanje protupotresne zaštite građevina koji ima direktne utjecaje na društvo kroz smanjenje posljedica potresa (gubitci zdravlja života i imovine), očuvanje funkcije vitalnih građevina, zaštita okoliša i zdravlja (otrovni sadržaji, nuklearne centrale) zaštita povijesnog naslijeđa, zaštita javnih i privatnih interesa (vlasnici imovine), stabilan sustav osiguranja imovine. Krajnji je cilj ovih istraživanja veća sigurnost i ekonomičnost građevina. Nadalje, unutar ovog ZIU projekta provode se eksperimentalna istraživanja otpornosti konstrukcije na udarna opterećenja. Eksperimentalno će se istražiti ponašanje različitih materijala i konstrukcija izloženih udarnom opterećenju. Također, istražiti će se učinkovitost ojačavanja postojećih objekata novim materijalima i njihova otpornost na udarno opterećenje. Laboratoriji su za istraživanje materijala i konstrukcija pri udarnom opterećenju rijetki, u RH ne postoji sličan laboratorij. Osim ispitivanja materijala i konstrukcija koje se koriste u građevinarstvu pomoću udarnog tornja, moguće je ispitivati i različite tipove konstrukcija i materijala koji se koriste pri transportu pojedinih dobara (ambalaža pojedinih proizvoda i sl.). Osim velikog broja različitih eksperimentalnih testiranja unutar ovog projekta provode se i teorijska istraživanja koja su temelj razvoja numeričkih modela. Cilj je ovih istraživanja razvoj pouzdanog modela za simulaciju inženjerskih problema.

*In this project, experimental tests of seismic resistance of different types of buildings are carried out. Various effects influencing the behavior of structures due to earthquakes are investigated. Furthermore, new structural systems are being investigated to develop seismically resistant structures. The possibilities of applying different types of seismic base isolation are investigated, too. These studies will deepen the understanding of the behavior of*

# SCIENCE AND ARTS RESEARCH LOGICAL UNIT (SARLU) FOR SEISMIC TESTING

*structures subjected to earthquakes, develop new, and improve the existing guidelines for construction in seismically active zones. This research aims to increase the earthquake protection of buildings and consequently have a direct impact on society. The positive socio-economic impact will be reflected in the reduction of the loss of health, life, and property, preservation of the vital functions of buildings, environmental and health protection (toxic facilities, nuclear power plants), protection of historical heritage, protection of public and private interests (property owners), and a stable property insurance system. The ultimate goal of this research is the greater safety and cost-effectiveness of structures.*

- **ISTRAŽIVAČKE TEME ZIU PROJEKTA /  
RESEARCH TOPICS OF THE SAR PROJECT**

- Ispitivanje potresne otpornosti različite vrste građevina (zgrade, mostovi, tornjevi, tuneli, brane...) / *Seismic resistance testing of different types of structures (buildings, bridges, towers, tunnels, dams)*
- Istraživanje ponašanja materijala i konstrukcija pomoću udarnog tornja / *Investigation of the behavior of materials and structures using an impact tower*
- Istraživanje protupotresne izolacije / *Seismic base isolation*
- Istraživanje ponašanja potpornih zidova pri potresu / *Investigation of the behavior of retaining wall during an earthquake*
- Ispitivanje ponašanja kamenih zidova i kamenih kuća pri potresu / *Behavior of stone walls and stone houses during an earthquake*
- Numeričko modeliranje nelinearnih ravninskih i prostornih konstrukcija (ravninsko stanje naprezanja, ravninsko stanje deformacija, osnosimetrični problemi, ploče, ljuške, štapne konstrukcije i 3D konstrukcije) opterećenih kratkotrajnim i dugotrajnim statičkim opterećenjem / *Numerical modeling of nonlinear 1D, 2D, and 3D structures (plane stress state, plane strain state, axisymmetric problems, plates, shells, 1D structures, and 3D structures), loaded with short-term and long-term static load*
- Razvoj adekvatnog modela armiranog betona za statička i dinamička opterećenja s uključenjem dominantnih nelinearnih efekata ponašanja (pucanje betona u vlaku i tečenje u tlaku, vlačna i posmična krutost ispučanog betona, nelinearno ponašanje armature, itd.) i razvoj adekvatnog modela za uključivanje reoloških osobina betona (puzanje, skupljanje, starenje) pod dugotrajnim opterećenjem / *Development of an adequate constitutive model of reinforced concrete for static and dynamic loads with the inclusion of dominant nonlinear behavioral effects (cracking of concrete in tension and yielding in compression, tensile and shear stiffness of cracked concrete, nonlinear reinforcement behavior, etc.) and development of an adequate constitutive model for inclusion of the rheological properties of concrete (shrinkage, aging) under long-term loading*
- Modeliranje utjecaja geometrijske nelinearnosti (veliki pomaci) / *Modeling the influence of geometric nonlinearity (large displacements)*
- Modeliranje interakcije sustava fluid-konstrukcija-tlo u uvjetima dinamičkog opterećenja kod 2D i 3D problema / *Modeling of fluid-structure-soil system interaction under dynamic load conditions in 2D and 3D problems*
- Problematika diskretizacije kontinuuma / *Continuum discretization problems*

- **ČLANOVI ZIU PROJEKTA /  
MEMBERS OF ZIU PROJECT:**  
Alen Harapin / *Full Professor*  
Ante Buzov / *Postdoctoral Researcher*  
Boris Trogrlić / *Full Professor*  
Domagoj Matešan / *Full Professor*  
Goran Baloević / *Assistant Professor*  
Ivan Banović / *Postdoctoral Researcher*  
Jure Radnić / *Full Professor*  
Krešimir Vranješ / *Laboratory Assistant*  
Marija Smilović Zulim / *Assistant Professor*  
Marina Sunara / *Assistant Professor*  
Nikola Grgić / *Assistant Professor*

- **POPIS ZNANSTVENIH RADOVA U ZADNJIH 5 GODINA /  
A LIST OF SCIENTIFIC PAPERS PUBLISHED WITHIN  
THE PAST FIVE YEARS**

## A. Knjige i poglavlja u znanstvenim knjigama / Books and chapters in scientific books

1. Smilovic Zulim, Marija; Radnić, Jure; Grgić, Nikola; Baloević, Goran. 2018. Effect of anisotropy of masonry on the behaviour of unreinforced and confined masonry walls under ground motion. *Engineering Design Applications*. Öchsner, Andreas ; Altenbach, Holm (ur.).
2. Heidelberger: Springer, Cham, 2018. str. 173-183 doi:10.1007/978-3-319-79005-3

## B. Znanstveni radovi u časopisima Scientific papers in journals

1. Radnić, Jure; Matešan, Domagoj; Banović, Ivan. 2021. Bridges with multiple structural systems: The example of Trilj Bridge reconstruction in Croatia. *Bridge structures* 17, 1-2. 65-75 doi:10.3233/brs-210185
2. Sunara, Marina; Gotovac, Blaž; Radnić, Jure; Harapin, Alen. 2021. Numerical analysis of pressures on rigid structures using the smoothed particle hydrodynamics method. *Scientia Iranica* 28/3. 1066-1078 doi:10.24200/SCI.2020.22052
3. Banović, Ivan; Radnić, Jure; Grgić, Nikola. 2021. NUMERICAL MODEL FOR DYNAMIC ANALYSIS OF STRUCTURES WITH SEISMIC BASE ISOLATION USING A LAYER OF STONE PEBBLES. *Ingegneria Sismica* 38,/1. 37-65.
4. Smoljanović, Hrvoje; Balić, Ivan; Trogrlić, Boris; Živaljić, Nikolina; Munjiza, Ante. 2021. Finite strain numerical model for the nonlinear analysis of thin shells. *Engineering structures* 234. 111964, 19 doi:10.1016/j.engstruct.2021.111964
5. Radnić, Jure; Matešan, Domagoj; Abaza, Ante. 2020. Restoration and Strengthening of Historical Buildings: The Example of Minceta Fortress in Dubrovnik. *Advances in Civil Engineering* 2020. 1-17 doi:10.1155/2020/8854397
6. Banović, Ivan; Radnić, Jure; Grgić, Nikola. 2020. Foundation size effect on the efficiency of seismic base isolation using a layer of stone pebbles. *Earthquakes and Structures* 19/2. 103-117 doi:10.12989/eas.2020.19.2.103
7. Banović, Ivan; Radnić, Jure; Grgić, Nikola. 2020. Effect of Structural Stiffness on The Efficiency of Seismic Base Isolation Using Layers of Stone Pebbles. *Ingegneria Sismica* 37/2. 66-91.
8. Smilović Zulim, Marija; Radnić, Jure. 2020. Anisotropy Effect of Masonry on the Behaviour and Bearing Capacity of Masonry Walls. *Advances in Materials Science and Engineering* 2020. 5676901, 14
9. Munjiza, Ante; Smoljanović, Hrvoje; Živaljić, Nikolina; Mihanović,

Ante; Divić, Vladimir; Uzelac, Ivana; Nikolić, Željana; Balić, Ivan; Trogrlić, Boris. 2020. Structural applications of the combined finite-discrete element method. *Computational particle mechanics* 7. 1029-1046 doi:10.1007/s40571-019-00286-5

10. Smoljanović, Hrvoje; Balić, Ivan; Munjiza, Ante; Akmadžić, Vlaho; Trogrlić, Boris. 2020. Analysis of dynamic stability of beam structures. *Acta mechanica* 231/11. 4701-4715 doi:10.1007/s00707-020-02793-6
11. Banović, Ivan; Radnić, Jure; Grgić, Nikola. 2019. Geotechnical Seismic Isolation System Based on Sliding Mechanism Using Stone Pebble Layer: Shake - Table Experiments. *Shock and Vibration* 2019. 1-26 doi:10.1155/2019/9346232
12. Sunara Kusić, Marina; Radnić, Jure; Grgić, Nikola; Harapin, Alen. 2019. Fluid Structure Interaction Analysis of Liquid Tanks by the Coupled SPH - FEM Method with Experimental Verification. *Defect and Diffusion Forum* 391. 152-173 doi:10.4028/www.scientific.net/ddf.391.152
13. Radnić, Jure; Markić, Radoslav; Grgić, Nikola; Čubela, Dragan. 2019. New approach for Ductility analysis of partially prestressed concrete girders. *Structural engineering and mechanics* 70/3. 257-267 doi:10.12989/sem.2019.70.3.257
14. Buzov, Ante; Radnić, Jure; Grgić, Nikola. 2019. Effects of several bolt parameters on the bearing capacity of a composite multi-drum stone column under an earthquake. *Composites Part B: Engineering* 162. 250-258 doi:10.1016/j.compositesb.2018.10.104
15. Baloevic, Goran; Radnić, Jure; Grgic, Nikola. 2019. Numerical model for dynamic analysis of masonry infilled steel and concrete frames. *Materialwissenschaft und Werkstofftechnik* 50/5. 519-532 doi:10.1002/mawe.201900006
16. Buzov, Ante; Radnić, Jure; Grgić, Nikola; Baloević, Goran. 2019. Effect of the joint type on the seismic behaviour of a free-standing multi-drum column. *Construction and Building Materials* 214. 121-132 doi:10.1016/j.conbuildmat.2019.04.118
17. Smilović Zulim, Marija; Radnić, Jure; Harapin, Alen. 2019. Shear effect on seismic behaviour of masonry walls. *Materialwissenschaft und Werkstofftechnik* 50/5. 565-579 doi:10.1002/mawe.201800185
18. Harapi, Alen; Radnić, Jure; Sunara, Marina. 2019. Numerical Model for Fluid-Structure Interaction by the Coupled SPH and the FEM Method. *International Journal for Engineering Modelling* 32/1. 39-58 doi:10.31534/engmod.2019.1.ri.02m
19. MIRČEVSKA, Violeta; NASTEV, Miroslav; HRISTOVSKI, Viktor; HARAPIN, Alen; NANEVSKA, Ana. 2019. INTERACTIVE ALGORITHM FOR GEOMETRIC MODELLING DOUBLE-CURVATURE ARCH DAMS. *BUILDING MATERIALS AND STRUCTURES* 62/2. 33-46 doi:10.5937/GRMK1902033M
20. Mihanović, Ante; Smoljanović, Hrvoje; Trogrlić, Boris; Munjiza, Ante. 2019. A new robust and computationally efficient numerical model for the analysis of beam type truss structures. *Rad Hrvatske akademije znanosti i umjetnosti. Tehničke znanosti* 536. 61-79 doi:10.21857/y26kcc3z79
21. Šunjić, Goran; Prskalo, Maja; Milašinović, Zoran; Harapin, Alen. 2019. Simulation of concrete ageing on dams as illustrated by numerical analysis of Jablanica HPP. *Građevinar: časopis Hrvatskog saveza građevinskih inženjera* 71/ 9. 749-767 doi:10.14256/JCE.2385.2018
22. Džolan, Ante; Kožul, Mladen; Čubela, Dragan; Harapin, Alen. 2019. Analysis of the concrete shrinkage effects on the real behavior of the spatial concrete and reinforced concrete structures using the thermal analogy. *Engineering computations* 36/1; 04-2019-0187, 22 doi:10.1108/EC-04-2019-0187

23. Radnić, Jure; Grgić, Nikola; Sunara Kusić, Marina; Harapin, Alen. 2018. Shake table testing of an open rectangular water tank with water sloshing. *Journal of fluids and structures* 81. 97-115 doi:10.1016/j.jfluidstructs.2018.04.020
24. Banović, Ivan; Radnić, Jure; Grgić, Nikola. 2018. Shake Table Study on the Efficiency of Seismic Base Isolation Using Natural Stone Pebbles. *Advances in Materials Science and Engineering* 2018. 1012527, 20 doi:10.1155/2018/1012527
25. Banović, Ivan; Radnić, Jure; Grgić, Nikola; Matešan, Domagoj. 2018. The Use of Limestone Sand for the Seismic Base Isolation of Structures. *Advances in Civil Engineering* 2018. 9734283, 12 doi:10.1155/2018/9734283
26. Buzov, Ante; Radnić, Jure; Grgić, Nikola; Baloević, Goran. 2018. Effect of the drum height on the seismic behaviour of a free-standing multi-drum column. *Advances in Materials Science and Engineering* 2018. 5729068, 12 doi:10.1155/2018/5729068
27. Grgić, Nikola; Radnić, Jure; Smilović, Marija; Baloević, Goran. 2018. The shake table study of the effect of longitudinal reinforcement ratio on the behavior of concrete cantilever columns. *Materialwissenschaft und Werkstofftechnik* 49/5. 606-618 doi:10.1002/mawe.201700246
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29. Baloević, Goran; Radnić, Jure; Grgić, Nikola; Matešan, Domagoj. 2018. Behavior of fiber reinforced mortar composites under impact load. *Latin American Journal of Solids and Structures* 15/2. 1-13 doi:10.1590/1679-78254168
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31. Batinić, Milko; Galić, Mirela; Trogrlić, Boris; Divić, Vladimir; Racetin, Ivan; Mihanović, Ante. 2018. Combined photogrammetry and mechanical testing of fired clay brick. *Materialwissenschaft und Werkstofftechnik* 49. 1399-1408 doi:10.1002/mawe.201700106
32. Smoljanović, Hrvoje; Uzelac, Ivana; Trogrlić, Boris; Živaljić, Nikolina; Munjiza, Ante. 2018. A computationally efficient numerical model for a dynamic analysis of beam type structures based on the combined finite discrete element method. *Materialwissenschaft und Werkstofftechnik*, 49/5. 651-665 doi:10.1002/mawe.201700277
33. Baloević, Goran; Radnić, Jure; Grgić, Nikola; Matešan, Domagoj. 2017. Shake-table study of plaster effects on the behavior of masonry-infilled steel frames. *Steel and composite structures* 23/2. 195-204 doi:10.12989/scs.2017.23.2.195
34. Grgić, Nikola; Radnić, Jure; Matešan, Domagoj; Banović, Ivan. 2017. Stirrups effect on the behavior of concrete columns during an earthquake. *Materialwissenschaft und Werkstofftechnik* 48/5. 406-419 doi:10.1002/mawe.201700014
35. Jajac, Nikša; Rogulj, Katarina; Radnić, Jure. 2017. Selection of the Method for Rehabilitation of Historic Bridges-A Decision Support Concept for the Planning of Rehabilitation Projects. *International Journal of Architectural Heritage* 11/2. 261-277 doi:10.1080/15583058.2016.1207113
36. Balić, Ivan; Trogrlić, Boris; Mihanović, Ante. 2017. Simplified multimodal pushover target acceleration method for seismic resistance analysis of medium-rise RC structures. *KSCE Journal of Civil Engineering* 21/1. 378-388 doi:10.1007/s12205-016-0738-4

#### C. ZNANSTVENI RADOVI U ZBORNICIMA SKUPOVA SCIENTIFIC CONFERENCE PAPERS

1. Buzov, Ante; Radnić, Jure; Grgić Nikola. 2019. UTJECAJ NEKIH PARAMETARA NA PONAŠANJE IGRANIČNU NOSIVOST VIŠEDIJELNIH KAMENIHSTUPOVA PRI STATIČKOM OPTEREĆENJU I POTRESU. Sedmi skup mladih istraživača iz područja građevinarstva i srodnih tehničkih znanosti / Bogdanić, Anton; Tijanić, Ksenija; Živković, Laura; Šopić, Martina; Pajalić, Sara (ur.). Rijeka. 49-54 str.
2. Banović, Ivan; Radnić, Jure; Grgić, Nikola. 2018. Seizmička izolacija osnove građevine uporabom kamenih oblutaka. *Common Foundations 2018 - uniSTem: 6th Congress of Young Researchers in the Field of Civil Engineering and Related Sciences Split, Hrvatska: Faculty of Civil Engineering, Architecture and Geodesy, University of Split*, 2018. 10-15 str. doi:10.31534/co/zt.2018.01
3. Balić, Ivan; Trogrlić, Boris; Mihanović, Ante. 2017. Seismic resistance analysis of RC structures based on simplified multimodal pushover target acceleration method. *Multiscale Computational Methods for Solids and Fluids / Ibrahimbegović, Adnan; Brank, Boštjan; Kožar, Ivica (ur.)*. Ljubljana: University of Ljubljana, Faculty of Civil and Geodetic Engineering. 98-100 str.

#### POPIS ZNANSTVENO-ISTRAŽIVAČKIH PROJEKATA U ZADNJIH PET GODINA (ČIJI VODITELJ PRIPADA ZIU PROJEKTU I KOJI TEMATSKI PRIPADAJU OVOM ZIU PROJEKTU) A LIST OF SCIENTIFIC RESEARCH PROJECTS WITHIN T HE PAST FIVE YEARS

Eksperimentalna provjera mogućnosti primjene kamenih oblutaka za protupotresnu izolaciju građevina, 2016.-2017. Voditelj projekta: prof. dr. sc. Jure Radnić, izvor financiranja: HAMAG-BICRO - Hrvatska agencija za malo gospodarstvo, inovacije i investicije / *Experimental Verification of the Possibility of Using Stone Pebbles for Seismic Base Isolation, 2016-2017. Project leader: Jure Radnić, Ph.D.; Funding source: Croatian Agency for Small Business, Innovation and Investment (HAMAG-BICRO)*

Seizmička izolacija osnove građevine s uporabom prirodnih materijala - testiranje s potresnom platformom i numeričko modeliranje (IP-06-2016-5325), 2017. - 2021. Voditelj projekta: prof. dr.sc. Jure Radnić, izvor financiranja: Hrvatska zaklada za znanost (HRZZ) / *Seismic Base Isolation of a Building by Using Natural Materials: Shake Table Testing and Numerical Modeling (IP-06-2016-5325), 2017-2021. Project leader: Jure Radnić, Ph.D.; Funding source: Croatian Science Foundation (HRZZ)*

#### SLJ - LABORATORIJ ZA POTRESNA ISPITIVANJA (LABORATORIJ ZA KONSTRUKCIJE I LABORATORIJ ZA MATERIJALE) / SPECIALIZED LABORATORY UNIT (SLU) - SEISMIC TESTING LABORATORY

• **VODITELJ SLJ /  
HEAD OF THE SLU:**  
prof. dr. sc. Jure Radnić

• **OPIS DJELATNOSTI SLJ /  
WORK TOPICS OF THE SLU:**

U sklopu ovog Laboratorija provode se eksperimentalna istraživanja potresne otpornosti različitih vrsta građevina. Laboratorij za potresna ispitivanja s instaliranom opremom (potresnim stolom dimenzija 4x4m u tlocrtu) jedinstven je na širem regionalnom području. Naime, na širem području (cca od 500 km udaljenosti od ovog laboratorija) ne postoji nijedan sličan. Budući da je Republika Hrvatska, kao i cijela južna i istočna Europa, izrazito seizmički aktivno područje, nužna su istraživanja ovakve vrste kako bi se ublažile ili pak eliminirale posljedice djelovanja potresa. Svrha ovih istraživanja ogleda se i u ostvarenju ekonomskih ciljeva zaštitom građevina, projektiranjem i izgradnjom potresno otpornih građevina (ublažavanje budućih posljedica), racionalnom



organizacijom hitnih službi koje se aktiviraju u trenutku potresa - što manja šteta na građevinama, što manji gubitci u proizvodnji i tržištu, što manja šteta zbog ljudskih žrtava. Nadalje, razvojem novih materijala i konstrukcijskih sustava i njihovim plasmanom na tržište zasigurno će se unaprijediti i poslovanje privatnih tvrtki koje su partneri na ovim istraživanjima. Unutar ove logičke cjeline provode se eksperimentalna istraživanja otpornosti konstrukcije na udarna opterećenja. Eksperimentalno se istražuje ponašanje različitih materijala i konstrukcija izloženih udarnom opterećenju. Također, istražiti će se učinkovitost ojačavanja postojećih objekata novim materijalima te njihova otpornost na udarno opterećenje.

Within the Seismic Testing Laboratory, experimental research of seismic resistance of different types of structures is carried out. The Laboratory, with its installed equipment (a 4 x 4 m shake-table), is unique in the broader regional area. Namely, there is no similar laboratory on a broader area of approximately 500 km around this facility. Since the Republic of Croatia, as well as southern and eastern Europe, is a highly seismically active area, research of this kind is paramount to mitigate or eliminate the consequences of earthquakes. The applicability and relevance of the research carried out in this Laboratory is reflected in the attainment of a variety of socio-economic goals, such as enhanced protection of buildings, design and construction of earthquake-resistant buildings (with the view of mitigating future consequences), more rational organization of emergency services activated during earthquakes, decreased damage to buildings, alleviated losses in production and market, as few human casualties as possible. Furthermore, through the development of new materials and construction systems, and their distribution on the market, the business of private companies that are partners in this research will undoubtedly be developed. Within this logical unit, experimental investigations of the resistance of structures to impact loads are carried out. Furthermore, the

behavior of different materials and structures exposed to impact loads is being investigated experimentally. The efficacy of strengthening the existing structures with new materials and their resistance to impact load will be examined, too. Laboratories for testing materials and structures under impact loads are rare; there is no similar laboratory in the Republic of Croatia. In addition to testing materials and structures used in construction using an impact tower, it is possible to test different types of structures and materials used to transport certain goods (packaging of certain products, etc.). Apart from a large number of different experimental tests carried out within this Laboratory, theoretical research is conducted, too, that present the basis for the development of numerical models. The research objective of the theoretical investigation is to develop a reliable model for simulating engineering problems.

#### • POPIS PET NAJZNAČAJNIJIH KOMADA OPREME U LABORATORIJU / A LIST OF THE FIVE MOST IMPORTANT PIECES OF LABORATORY EQUIPMENT

- platforma za simulaciju potresa / A shake table
- univerzalni hidraulički sustav za precizno nanošenje opterećenja / A universal hydraulic system for precise load application
- sustav za vibrodijagnostiku (Artemis + akcelerometri + Intelligent Data Acquisition) / A vibrodiagnostics system (Artemis + accelerometers + Intelligent Data Acquisition)
- Quantum X set za prikupljanje podataka (istovremeno snimanje preko 100 kanala) / A quantum X data collection set (simultaneous recording of over 100 channels)
- uređaj za beskontaktno praćenje (mjerjenje) polja pomaka (deformacija, brzina i ubrzanja) / A device for non-contact tracking (measurement) of displacement fields (strain, speed and acceleration)

## ZNANSTVENO-ISTRAŽIVAČKA I UMJETNIČKA LOGIČKA CJELINA ZA ISTRAŽIVANJA ENERGIJE VJETRA

- **VODITELJ ZIU LC /  
HEAD OF THE SARLU:**  
izv. prof. dr. sc. Neno Torić

### ZIU PROJEKTI U SKLOPU ZIU LC / SCIENCE AND ARTS RESEARCH (SAR) PROJECTS WITHIN THE SARLU

- **NAZIV ZIU PROJEKTA /  
SAR PROJECT TITLE:**  
Utjecaj energije vjetra i klimatskih prilika u graditeljstvu /  
*Influence of Wind Energy and Climate Change in Construction Industry*

- **VODITELJ ZIU PROJEKTA /  
HEAD OF THE SAR PROJECT:**  
izv. prof. dr. sc. Neno Torić / dr. sc. Ivan Đepina

- **UKRATKO O ZIU PROJEKTU /  
SAR PROJECT DESCRIPTION:**

U sklopu ovoga projekta istražuje se kompleksno međudjelovanje konstrukcija i ekstremnih klimatskih prilika poput olujnih udara vjetra, ekstremne temperature te efekta UV zračenja na konstrukcije. Pri tome uvažavaju se svi aspekti promjenjivosti klimatskoga sustava uslijed prirodnih i ljudskih utjecaja. Ovo istraživanje povezuje različite teme s područja građevinarstva, uključujući lake konstrukcije, pouzdanost konstrukcija, trajnost konstrukcija, zamor materijala u konstrukcijama, s meteorološkim i klimatološkim istraživanjima. Konačni je cilj ovoga istraživanja dati smjernice za ojačanje postojećih i projektiranje novih konstrukcija na područjima posebno osjetljivima na klimatske promjene. Među svim osjetljivim sredinama posebna će pozornost biti usmjerena na urbane sredine koje su zbog formiranja urbanih kanjona pogođene ekstremnim brzinama vjetra, a zbog tamnih staklenih fasada i nedostatka zelenih površina izložene zonama ekstremno visokih temperatura, znanim kao i „toplinski otoci“.

- **ISTRAŽIVAČKE TEME ZIU PROJEKTA /  
RESEARCH TOPICS OF THE SAR PROJECT**

- Definiiranje probabilističkih modela djelovanja ekstremnih klimatskih prilika na uporabljivost, nosivost i trajnost konstrukcija /  
*Development of the probabilistic models of extreme climate actions for serviceability, load-bearing capacity, and durability of structures*
- Izrada eksperimentalnih procedura za prikupljanje podataka o djelovanju ekstremnih klimatskih prilika na konstrukcije /  
*Development of the experimental procedures for data acquisition on extreme climate actions on structures*
- Adaptacija postojećih i izrada novih numeričkih modela za analize strujanja, pronosa topline te degradacije konstrukcija /  
*Adaptation of the existing and the development of new numerical models for the analysis of flow, heat transfer, and structure degradation*

## SCIENCE AND ARTS RESEARCH LOGICAL UNIT (SARLU) FOR THE RESEARCH OF WIND ENERGY

- **ČLANOVI ZIU PROJEKTA /  
MEMBERS OF ZIU PROJECT:**  
doc. dr. sc. Vladimir Divić  
dr. sc. Ivan Đepina  
prof. emer. Bernardin Peroš  
izv. prof. dr. sc. Neno Torić

- **POPIS ZNANSTVENIH RADOVA U ZADNJIH PET GODINA /  
RESEARCH TOPICS OF THE SAR PROJECT**

1. Đepina, Ivan; Oguz, Emir Ahmet; Thakur, Vikas. 2019. Learning about Uncertain Predictions of Rainfall-Induced Landslides from Observed Slope Performance, 7th International Symposium on Geotechnical Safety and Risk (ISGSR 2019), Taipei, Taiwan.
2. Oguz, Emir Ahmet; Robinson, Kate; Đepina, Ivan; Thakur, Vikas. 2019. IoTBased Strategies for Risk Management of Rainfall-Induced Landslides, a Review, 7th International Symposium on Geotechnical Safety and Risk (ISGSR 2019), Taipei, Taiwan.
3. Oguz, Emir Ahmet; Robinson, Kate; Đepina, Ivan; Thakur, Vikas. 2019. Experimental and numerical investigation of one-dimensional infiltration into unsaturated soil, 16th International Conference of the International Association for Computer Methods and Advances in Geomechanics (IACMAG 2020).
4. Piciullo, Luca; Bekele, Yared; Đepina, Ivan; Langford, Jenny; Nadim Farokh. 2020. A management tool to reduce the risk of damage caused by geotechnical groundworks, 18th Nordic Geotechnical Meeting (NGM 2020).
5. Oguz, Emir Ahmet; Đepina, Ivan; Thakur, Vikas. 2020. Early Warning Practice for Shallow Landslides in Norway and Physical Modelling Strategies Supported by IoT Based Monitoring, 1st International Symposium on Construction Resources for Environmentally Sustainable Technologies (CREST 2020).
6. Đepina, Ivan; Divić, Vladimir; Munjiza, Ante; Peroš, Bernardin. 2021. Performance-based wind engineering assessment of critical telecommunication infrastructure, Engineering Structures 236. 112083, 12.

- **POPIS ZNANSTVENIH RADOVA U ZADNJIH 5 GODINA /  
A LIST OF SCIENTIFIC PAPERS PUBLISHED WITHIN  
THE PAST FIVE YEARS**

- Equinor GBS, 2019.-2019., Razvoj postupka za parametarsku analizu gravity-based temelja za pučinske vjetroagregate, voditelj projekta: Ivan Đepina, izvor financiranja: Equinor /  
*Equinor GBS, 2019-2019, Development of a Procedure for the Parametric Analysis of Gravity-based Foundations for Offshore Wind Turbines. Project leader: Ivan Đepina, Ph.D.; Funding source: Equinor*
- KlimaDigital, 2018.-2021., Reducing societal risks imposed by geohazards in the changing climate with digitalization, voditelj projekta: Ivan Đepina, izvor financiranja: Norwegian research council /  
*KlimaDigital, 2018-2021, Reducing Societal Risks Imposed by Geohazards in the Changing Climate with Digitalization. Project leader: Ivan Đepina, Ph.D., funding source: Norwegian Research Council (NFR)*



- Invision, 2020.-2022., Development of IoT solutions for monitoring geohazards, voditelj projekta: Ivan Đepina, izvor financiranja: European Space Agency, Norveška  
*Invision, 2020-2022, Development of IoT Solutions for Monitoring Geohazards. Project leader: Ivan Đepina, Ph.D.; Funding source: European Space Agency, Norway*

### SLJ – MJERNA STANICA ZA ENERGIJU VJETRA SPECIALIZED LABORATORY UNIT (SLU) – MEASURING STATION FOR WIND ENERGY

- **VODITELJ SLJ /  
HEAD OF THE SLU:**  
izv. prof. dr. sc. Neno Torić

- **OPIS DJELATNOSTI SLJ /  
WORK TOPICS OF THE SLU:**

Specijalizirana oprema u okviru specijalizirane laboratorijske jedinice koristi se za određivanje deformacija, pomaci i neposredno, naprezanja u konstrukcijama (antenski stupovi, stupovi vjetroagregata, konstrukcije za prijenos električne energije itd.) za pojedine slučajeve vjetra (bura, jugo i levanat). Nadalje, specijalizirana oprema u okviru laboratorija omogućuje wireless praćenje pomaka konstrukcije u dužim vremenskim intervalima čime je omogućen kontinuirani zapis pomaka konstrukcija uslijed različitih opterećenja. Specijalizirana oprema moći će se primjenjivati na više različitih lokacija (polja) koje su od interesa za gospodarstvo i pojedine institucije Republike Hrvatske. *Specialized equipment available at the Measuring Station for Wind Energy is used for determining deformations, displacements, and stresses in structures (antenna columns, wind turbines, structures for power transfer) for loads produced by winds such as bora, scirocco, and levanter. Furthermore, the specialized equipment within the Laboratory enables wireless tracking of structural displacements across longer time intervals, enabling thus continuous recording of structural displacements caused by different types of action. The specialized equipment can be utilized at various locations of interest to industry, state institutions and other public sector bodies.*

## ZNANSTVENO-ISTRAŽIVAČKA I UMJETNIČKA LOGIČKA CJELINA ZA ISTRAŽIVANJA U PODRUČJU PROJEKTIRANJA PROMETNICA I UPRAVLJANJA CESTOVNOM INFRASTRUKTUROM

- **VODITELJ ZIU LC /  
HEAD OF THE SARLU:**  
izv. prof. dr. sc. Deana Breški

**ZIU PROJEKTI U SKLOPU ZIU LC /  
SCIENCE AND ARTS RESEARCH (SAR) PROJECTS WITHIN THE SARLU**

- **NAZIV ZIU PROJEKTA /  
SAR PROJECT TITLE:**  
Istraživanja u području projektiranja prometnica i  
upravljanja cestovnom infrastrukturom /  
*Research in the Field of Road Design and Road  
Infrastructure Management*

- **VODITELJ ZIU PROJEKTA /  
HEAD OF THE SAR PROJECT:**  
izv. prof. dr. sc. Deana Breški

- **UKRATKO O ZIU PROJEKTU /  
SAR PROJECT DESCRIPTION:**

U okviru ovoga projekta vrše se različita istraživanja vezana za izbor optimalnih projektnih elemenata prometnice, mogućnost poboljšanja pojedinih slojeva kolničke konstrukcije te razvoj modela u gospodarenju cestovnom infrastrukturom. Istraživanje i modeliranje parametara geometrijskih elemenata prometnice (radijusi krivina, poprečni i uzdužni nagibi, konzistentnost horizontalnog toka,...) i njihovo usklađivanje s pojmom brzine (projektne i/ili operativne) mogu doprinijeti većoj sigurnosti prometa te preporukama pri izboru projektnih elemenata trase. Zadnjih se godina posebna pažnja posvećuje istraživanju utjecaja parametara ceste i vozača na potrošnju goriva i emisiju ispušnih plinova u svjetlu održivog razvoja prometa i smanjenja zagađenja okoliša. Snimanjem i analizom podataka o stanju cestovne infrastrukture stvara se temelj za razvoj modela za podršku odlučivanju (i/ili planiranju) u upravljanju cestovnom infrastrukturom. Osim navedenog, pomoću simulacijskih modela, provode se prometne analize usporedbe i optimalnog izbora novih projektnih rješenja koja mogu doprinijeti povećanju kapaciteta, boljoj protočnosti i razini usluge na prometnoj mreži.

*Within this project, various studies are conducted related to the selection of optimal road design elements, the possibility of improving pavement layers, and the development of models in road infrastructure management. Research and modeling of road geometric elements (radii of curves, transverse and longitudinal slopes, consistency of horizontal alignment) and their harmonization with the concept of speed (design and/or operational) can contribute to increased traffic safety and recommendations for choosing optimal design elements. Recently, in the light of sustainable traffic development and reduction of negative impact on the environment, particular attention has been given to studying the road and driver parameters' impact on fuel consumption and gas emissions. Recorded and analyzed road conditions data creates a*

## SCIENCE AND ARTS RESEARCH LOGICAL UNIT (SARLU) FOR ROAD DESIGN AND ROAD INFRASTRUCTURE MANAGEMENT

*basis for developing decision support models in road infrastructure management. Additionally, simulation models are used for traffic analysis of new design solutions and the optimal choice of elements that can contribute to increased capacity, better traffic flow, and improved level of service.*

- **ISTRAŽIVAČKE TEME ZIU PROJEKTA /  
RESEARCH TOPICS OF THE SAR PROJECT**

- Usklađivanje i izbor optimalnih projektnih elemenata ceste i/ili parametara prometnog toka s obzirom na sigurnost, kapacitet i utjecaj na okoliš /  
*Selection of optimal road design elements and/or traffic flow parameters with regard to safety, capacity and environmental impact*
- Definiranje kriterija i odgovarajućih indeksa za ocjenu stanja cestovne infrastrukture / *Defining criteria and appropriate indexes for road condition assessment*
- Ispitivanje i analiza određenih materijala za kolničke konstrukcije / *Testing and analysis of some materials for pavement structures*
- Modeliranje sustava/koncepata za podršku odlučivanju (i/ili planiranju) u upravljanju cestovnom infrastrukturom (održavanje, funkcionalno unaprjeđivanje i razvoj) / *Modeling of decision support systems/concepts in road infrastructure management (maintenance, functional improvement and development)*

- **ČLANOVI ZIU PROJEKTA /  
MEMBERS OF ZIU PROJECT:**

prof. dr. sc. Dražen Cvitanić / *Full Professor*  
izv. prof. dr. sc. Deana Breški / *Associate Professor*  
izv. prof. dr. sc. Nikša Jajac / *Associate Professor*  
dr. sc. Biljana Maljković, mag. ing. aedif. / *Postdoctoral Researcher*  
Daniela Dumanić, mag. ing. aedif. / *Research Assisstant*

- **POPIS ZNANSTVENIH RADOVA U ZADNJIH 5 GODINA /  
A LIST OF SCIENTIFIC PAPERS PUBLISHED WITHIN  
THE PAST FIVE YEARS**

1. Cvitanić, Dražen; Maljković, Biljana. 2021. The impact of different saturation headway values on intersection capacity. Road and Rail Infrastructure VI, Proceedings of the Conference CETRA 2020\*.
2. Dumanić, Daniela; Breški, Deana; Juradin, Sandra. 2021. The use of fibers in cement-stabilized base course of pavement. Road and Rail Infrastructure VI, Proceedings of the Conference CETRA 2020\*.
3. Rogulj, Katarina; Kilić Pamuković, Jelena; Jajac, Nikša. 2021. Knowledge-based fuzzy expert system to the condition assessment of historic road bridges. Applied Sciences-Basel 11/3.
4. Kilić Pamuković, Jelena; Rogulj, Katarina; Dumanić, Daniela; Jajac, Nikša. 2021. A sustainable approach for the maintenance of asphalt pavement construction. Sustainability,13/1.



5. Ivić, Majda; Kilić, Jelena; Rogulj, Katarina; Jajac, Nikša. 2020. Decision support to sustainable parking management — investment planning through parking fines to improve pedestrian flows. Sustainability 12/22.
6. Maslač, Danijela; Cvitanić, Dražen; Lovrić, Ivan. 2020. Estimation of critical headway at small urban roundabout. Promet - Traffic & Transportation 32/1. 103-117.
7. Lovrić, Ivan; Čutura, Boris; Cvitanić, Dražen. 2019. Dependence of carriageway crossfall on operating speed. Electronic journal of the Faculty of Civil Engineering Osijek - e-GFOS, 18.
8. Cvitanić, Dražen; Maljković, Biljana. 2019. Determination of applicable adjacent horizontal curve radii using operating speed. Promet - Traffic & Transportation 31/4.
9. Cvitanić, Dražen; Maljković, Biljana. 2018. Detection and analysis of hazardous locations on roads: a case study of the Croatian motorway A1. Transport 33/2.
10. Čutura, Boris; Cvitanić, Dražen; Lovrić, Ivan. 2018. Estimating percent-time-spent-following on two-lane rural roads. Građevinar 70/7.
11. Cvitanić, Dražen; Maretić, Mario; Zekan, Jure; Bošnjak, Ivan. 2018. Comparison of the models for analyzing signalized intersections. Road and Rail Infrastructure V, Proceedings of the Conference CETRA 2018.
12. Breški, Deana; Cvitanić, Dražen; Dumanić, Daniela. 2018. Impact of Exclusive Bus Lane on Urban Arterial Performance Measures. Road and Rail Infrastructure V, Proceedings of the Conference CETRA 2018.
13. Marović, Ivan; Androjić, Ivica; Jajac, Nikša; Hanak, Tomaš. 2018. Urban road infrastructure maintenance planning with application of neural networks. Complexity 2018.
14. Cvitanić, Dražen; Maljković, Biljana. 2017. Operating speed models of two-lane rural state roads developed on continuous speed dana. Tehnički vjesnik 24/6.
15. Cvitanić, Dražen. 2017. Joint impact of bus stop location and configuration on intersection performance. Promet – Traffic & Transportation 29/4.
16. Maljković, Biljana; Cvitanić, Dražen. 2016. Evaluation of design consistency on horizontal curves for two-lane state roads in terms of vehicle path radius and speed. The Baltic Journal of Road and Bridge Engineering 11/2.
17. Cvitanić, Dražen; Maljković, Biljana. 2016. Operating speed models on tangent sections of two-lane rural roads. Proceedings of the 4th International Conference on Road and Rail Infrastructure 2016.

**SLJ – LABORATORIJ ZA PROMETNICE /  
SPECIALIZED LABORATORY UNIT (SLU) –  
TRANSPORTATION LABORATORY**

- **VODITELJ SLJ /  
HEAD OF THE SLU:**  
izv. prof. dr. sc. Deana Breški

- **OPIS DJELATNOSTI SLJ /  
WORK TOPICS OF THE SLU:**

Specijalizirana oprema u okviru laboratorija za prometnice služi za terenska mjerenja i prikupljanje podataka koji će se koristiti u okviru znanstvenih istraživanja te za razvoj suradnje s gospodarstvom. Modularni nadzorni sustav koji se ugrađuje na vozilo omogućuje prikupljanje podataka o geometrijskim karakteristikama prometnice, stanju kolnika i prometne opreme. Podatci o ravnosti, makroteksturi, kolotrazima, pukotinama, uzdužnim i poprečnim nagibima, poziciji, horizontalnim i vertikalnim radijusima, opremi ceste, prometnom opterećenju itd. čine polaznu osnovu u sustavu gospodarenja kolnicima. Prikupljeni podatci će se koristiti za stvaranje baze podataka, simulacije, vizualnu i podatkovnu provjeru stanja određenih dionica ceste, za komparativne analize i modeliranje sustava za podršku odlučivanju. Nadalje, podatci dobiveni ovom specijaliziranom opremom omogućuju istraživanja u smislu izbora usklađenih i optimalnih projektnih elemenata ceste s obzirom na sigurnost, kapacitet i utjecaj na okoliš. /

*The Transportation Laboratory possesses specialized road equipment to perform field measurements and collect data to be utilized in scientific research and for developing cooperation with the industry. The modular monitoring system installable on vehicles enables data collection on the road geometry, pavement conditions, and conditions of the road equipment. Data on roughness, macrotecture, ruts, cracks, longitudinal slopes and superelevation, position, horizontal and vertical radii, road equipment, traffic volume, and other variables form the basis of the road management system. The data collected by the Transportation Laboratory team will be used to create databases, simulations, visual and data verification of the road sections' condition, comparative analyses, and modeling of decision support systems. Furthermore, the data obtained with this specialized equipment enable research in selecting optimal and harmonized road design elements concerning safety, capacity, and environmental impact.*

- **POPIS PET NAJVAŽNIJIH KOMADA OPREME U LABORATORIJU /  
A LIST OF THE FIVE MOST IMPORTANT PIECES OF LABORATORY  
EQUIPMENT**

- digitalni laserski sustav za snimanje stanja kolnika / *A digital laser profiler for pavement condition assessment*
- GIPSI Trac uređaj za snimanje geometrije kolnika / *A GIPSI Trac module for road geometry measurement*
- kamera, GPS uređaji i pripadajući softver za snimanje i obradu podataka / *A camera, GPS devices, and data recording and processing software*
- mobilni radarski brojači prometa / *Mobile radar traffic counters*
- Data logger / *A data logger*

# ZNANSTVENO-ISTRAŽIVAČKA I UMJETNIČKA LOGIČKA CJELINA ZA GEOTEHNIČKA ISTRAŽIVANJA

- **VODITELJ ZIU LC /  
HEAD OF THE SARLU:**  
izv. prof. dr. sc. Nataša Štambuk Cvitanović /  
Ph.D., Associate Professor

## ZIU PROJEKTI U SKLOPU ZIU LC / SCIENCE AND ARTS RESEARCH (SAR) PROJECTS WITHIN THE SARLU

- **NAZIV ZIU PROJEKTA /  
SAR PROJECT TITLE:**  
Geotehnika s gledišta održive gradnje i okoliša /  
*Geotechnics from the point of view of sustainable construction and the environment*

- **VODITELJ ZIU PROJEKTA /  
HEAD OF THE SAR PROJECT:**  
izv. prof. dr. sc. Nataša Štambuk Cvitanović /  
Ph.D., Associate Professor

- **UKRATKO O ZIU PROJEKTU /  
SAR PROJECT DESCRIPTION:**

Ovim projektom povezuje se više tema kojima je zajednički cilj podrška održivosti okoliša (kontrola uvjeta zaštite okoliša) i građevinarstvu u obalnom području RH. Pri tome se problemi zaštite okoliša/terena, ublažavanja posljedica klimatskih promjena, gospodarenja energijom i smanjenja potrošnje resursa u sklopu održivog razvoja promatraju kao nedjeljivi od geotehničke struke (stabilnost, nosivost, trajnost, vododrživost, posebna temeljenja, odlagališta otpada). S obzirom na povećanje broja odrona i klizišta, poplava i suša, povećanje erozije i utjecaja mora, posebna pozornost usmjerena je na istraživanje meke stijene i rastrošbe te nesaturiranog stanja. Izučavaju se mehanizmi u nesaturiranim geomaterijalima, gdje se javlja složena hidromehanička interakcija i ponašanje kontrolirano pojavom usisa (eng. 'suction') u sitnim porama, sa specifičnim fenomenima poput nepovoljnih nepovratnih deformacija uslijed usisnih cikusa, bubrenja, skupljanja i kolapsa strukture, degradacije svojstava u vremenu i posljedično gubitka čvrstoće i trajnosti. Poznavanjem i modeliranjem fenomena vezanih uz usis i rastrošbu unaprijedit će se zaštita kosina i obalnog pojasa, utvrđivanje sastava mješavina i receptura za nasute građevine te minimiziranje šteta i troškova uslijed dodatnih volumnih deformacija. Istraživanja će se upotrijebiti proučavanjem ponašanja geomaterijala pod dinamičkim (potresnim, vibracijskim, cikličkim) opterećenjima, kao i primjenom suvremenih tehnologija u geotehnici (npr. terestičko lasersko skeniranje-LIDAR za modeliranje procesa erozije zasjeka ili VIS-NIR spektrometrija u analizi svojstava geomaterijala).

*This project connects several topics whose common goal is to support environmental sustainability (control of environmental conditions) and civil engineering in the coastal area of the Republic of Croatia. In doing so, the problems of environmental/ground protection, mitigation of climate change effects, management of energy resources and reduction of natural resources consumption as part of sustainable development are considered inseparable from the geotechnical profession (stability, bearing capacity, durability, watertightness, special foundations, landfills). Given the increase in the number of rockfalls and landslides, floods and droughts, increased erosion and the impact of the sea, special attention is*

# SCIENCE AND ARTS RESEARCH LOGICAL UNIT (SARLU) FOR FOR GEOTECHNICAL RESEARCH

*paid to the study of soft rock, weathering and unsaturated condition. Mechanisms in unsaturated geomaterials are studied, where complex hydro-mechanical interaction and suction-controlled behavior in small pores occur, with specific phenomena such as unfavorable irreversible deformations due to suction cycles, swelling, shrinkage and structure collapse, degradation of the properties over time and consequently loss of strength and durability. Knowledge and modeling of phenomena related to suction and weathering will improve the protection of slopes and the coastal area, determination of the mixtures and procedures for earth-structures and minimizing damages and costs due to additional volume deformations. The research will be complemented by studying the behavior of geomaterials under dynamic (seismic, vibrational, cyclic) loads, as well as the application of modern technologies in geotechnics (e.g. terrestrial laser scanning - LIDAR for modeling the process of slopes erosion or VIS-NIR spectrometry in the analysis of geomaterials properties).*

- **ISTRAŽIVAČKE TEME ZIU PROJEKTA /  
RESEARCH TOPICS OF THE SAR PROJECT**

- Ispitivanja tla i stijena za potrebe građenja s gledišta održivog okoliša / *Testing of soils and rocks for construction purposes from the sustainable environment perspective*
- Meka stijena i rastrošba / *Soft rock and weathering*
- Nesaturirano tlo/meke stijena / *Unsaturated soil/soft rock*
- Potresno i dinamičko opterećenje / *Seismic and dynamic load*
- Primjena naprednih tehnologija u geotehnici / *Application of advanced technologies in geotechnics*

- **ČLANOVI ZIU PROJEKTA /  
MEMBERS OF ZIU PROJECT:**

prof. dr. sc. Predrag Mišćević / Full Professor  
izv. prof. dr. sc. Nataša Štambuk Cvitanović / Associate Professor  
doc. dr. sc. Goran Vlastelica / Assistant Professor  
Ana Duhović, mag. ing. aedif., doktorandica - asistentica / assistant  
Nataša Pavić, dipl. ing. geol., vanjska suradnica /  
M.Sc., external associate (geology)

- **POPIS ZNANSTVENIH RADOVA U ZADNJIH 5 GODINA /  
A LIST OF SCIENTIFIC PAPERS PUBLISHED WITHIN  
THE PAST FIVE YEARS**

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- **POPIS ZNANSTVENIH PROJEKATA U ZADNJIH 5 GODINA /  
A LIST OF SCIENTIFIC PROJECT WITHIN THE PAST FIVE YEARS**

HRZZ UIP-2017-05-3429, 2018.-2023., Eksperimentalna i numerička istraživanja mehanizama u nesaturiranim geomaterijalima, voditelj projekta: Nataša Štambuk Cvitanović, izvor financiranja: Hrvatska zaklada za znanost / *HRZZ UIP-2017-05-3429, 2018-2023, Experimental and numerical investigations of mechanisms in unsaturated geomaterials, project leader: Nataša Štambuk Cvitanović, source of funding: Croatian Science Foundation*

## SLJ – GEOTEHNIČKI LABORATORIJ SLJ – GEOTECHNICAL LABORATORY

- **VODITELJ SLJ /  
HEAD OF THE SLU:**  
izv. prof. dr. sc. Nataša Štambuk Cvitanović

- **OPIS DJELATNOSTI SLJ /  
WORK TOPICS OF THE SLU:**

Specijalizirana geotehnička laboratorijska jedinica opremljena je za ispitivanja tla, stijena ili drugih geomaterijala, kako standardizirana, tako i napredna. Osim opreme za osnovna klasifikacijska ispitivanja i odnose vlažnosti i gustoće (Proctor, vibro-stol), za ispitivanja raznih parametara čvrstoće, deformabilnosti ili vodopropusnosti na raspolaganju su edometri, uređaji za izravni posmik na tlu i stijeni (saturirano/nesaturirano) te automatizirane preše za ispitivanja tla i stijena u uvjetima jednoosne i troosne kompresije (statički/dinamički) s mjerjenjem deformacija LVDT-ovima i ekstenzomerima (strain gauge). Od ostalog može se navesti preša za PLT (Point Load Test), uređaj za ispitivanje otpornosti na kalavost (slake durability), kalcimetar po Scheibleru i laboratorijska krilna sonda. Većina sustava vezana je uz automatsko praćenje i kontrolu pomaka/deformacija, sila/naprežanja i pritiska te su omogućeni dugotrajni zapisi svih parametara. Uz navedeno, laboratorij je posebno specijaliziran i opremljen još i za ispitivanja mekih stijena, ispitivanja u nesaturiranom stanju (posebna opcija opreme) i pokuse pod proizvoljnim dinamičkim opterećenjem frekvencije do 5 Hz (dinamički troosni uređaj). Za ispitivanja SWCC (karakteristična krivulja sadržaja vode u tlu) ili druga u nesaturiranom stanju moguće je kontrolirati usis metodama osne translacije por-

nog tlaka (axial translation) u edometru, uređaju za izravni posmik i troosnom uređaju ili mjeriti usis metodom pomoću točke rosišta u tzv. WP4C uređaju (dew-point potentiometer).

*A specialized geotechnical laboratory unit is equipped for testing of soils, rocks or other geomaterials, both standardized and advanced. In addition to equipment for basic classification tests and water content-density relationship (Proctor, vibro-table), for testing various parameters of strength, deformability or permeability, oedometers, direct shear machines for soil and rock (saturated/unsaturated) and automated presses for soil and rock testing in uniaxial and triaxial compression conditions (static/dynamic) with measurement of deformations by LVDTs and strain gauges are available. Of the other equipment, the PLT (Point Load Test) apparatus, slake durability device, Scheibler calcimeter and the laboratory vane can be mentioned. Most systems are equipped with the automatic monitoring and control of displacements/deformations, forces/stresses and pressures, and long-term records of all parameters are enabled. In addition, the laboratory is specialized and specially equipped for soft rock testing, testing in the unsaturated state (special equipment option) and tests under custom dynamic load with a frequency of up to 5 Hz (dynamic triaxial testing system). For SWCC tests (Soil Water Characteristic Curve) or other in unsaturated state, it is possible to control the suction by axial translation method in the oedometer, direct shear apparatus and triaxial system or to measure the suction using the so-called WP4C device (dew-point potentiometer).*

- **POPIS PET NAJZNAČAJNIJIH KOMADA OPREME U LABORATORIJU /  
LIST OF FIVE MOST VALUABLE LABORATORY EQUIPMENT**

- dinamički troosni ispitni uređaj/sustav (5 Hz/60 kN/2 MPa/38-150 mm), elektromehanički, opremljen podsustavima za nesaturirana ispitivanja, ispitivanja vodopropusnosti, Bender-elementima i LVDT-ovima / *dynamic triaxial testing device/system (5 Hz/60 kN/2 MPa/38-150 mm), electromechanical, equipped with upgrades for unsaturated testing, permeability tests, Bender elements and LVDTs*
- uređaj za izravni posmik tla/meke stijene (2x25 kN, 100x100 mm i 75x75 mm) s kontrolom pornog pritiska i mogućnošću ispitivanja u nesaturiranim uvjetima / *device for direct shear of soil/soft rock (2x25 kN, 100x100 mm and 75x75 mm) with back pressure control and possibility of testing in unsaturated conditions*
- CRS (Constant Rate of Strain) edometar (10 kN, 3 MPa sustav) s kontrolom pornog pritiska i mogućnošću ispitivanja u nesaturiranim uvjetima / *CRS (Constant Rate of Strain) oedometer (10 kN, 3 MPa system) with back pressure control and possibility of testing in unsaturated conditions*
- preša 2000 kN za jednoosna i troosna ispitivanja čvrstoće i deformabilnosti stijena s automatskim održavanjem bočnog tlaka, Hoek-ovom ćelijom (NX), dodatnim mjerilima deformacija (LVDT-ovi, ekstenzometri) i sustavom za automatsko prikupljanje podataka / *2000 kN compression testing machine for uniaxial and triaxial tests of rock strength and deformability with automatic lateral pressure maintenance, Hoek cell (NX), upgrades for measurement of deformations (LVDTs, strain gauges) and data acquisition system*
- uređaj za izravni posmik na velikim uzorcima (2x100 kN, 300x300 mm i 150x150 mm) / *large shear box apparatus (2x100 kN, 300x300 mm and 150x150 mm)*

## BIBLIOGRAFIJA

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<http://bib.irb.hr/lista-ustanove?sifra=83&period=2007>

and Google Scholar website:

[https://scholar.google.hr/citations?hl=hr&view\\_op=search\\_authors&mauthors="University+of+Split"+Faculty+of+Civil+Engineering+Architecture+and+Geodesy"](https://scholar.google.hr/citations?hl=hr&view_op=search_authors&mauthors=)

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Kategorija rada / Category of Paper	Broj radova / Number of Papers
Autorske knjige / Original books	74
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## Aktualni znanstveno-istraživački projekti Ministarstva znanosti obrazovanja i sporta Republike Hrvatske

## Current scientific projects financed by the Ministry of Science, Education and Sport of the Republic of Croatia

### Znanstveno-istraživački projekti financirani od strane Hrvatske zaklade za znanost (razdoblje 2011.-2021.)

- Antički vodni sustavi grada Salone i Dioklecijanove palače i njihov utjecaj na održivost urbane sredine / *Roman Water Systems of City of Salona and Diocletian's Palace and Their Impact on Urban Sustainability*  
Voditelj projekta / Project Coordinator:  
prof. dr. sc. Jure Margeta
- Utjecaj deformacija od puzanja na nosivost čeličnih i aluminijskih stupova pri djelovanju požara / *Influence of creep strain on the load capacity of steel and aluminium columns exposed to fire*  
Voditelj projekta / Project Coordinator:  
doc. dr. sc. Neno Torić
- Razvoj numeričkih modela armiranobetonskih i kamenih zidanih konstrukcija izloženih potresnom opterećenju zasnovanih na diskretnim pukotinama / *Development of numerical models for reinforced-concrete and stone masonry structures under seismic loading based on discrete cracks*  
Voditelj projekta / Project Coordinator:  
prof. dr. sc. Željana Nikolić
- Modeliranje tečenja u krškim vodonosnicima / *Groundwater flow modelling in karst aquifers*  
Voditelj projekta / Project Coordinator:  
izv. prof. dr. sc. Hrvoje Gotovac
- Seizmička izolacija osnove građevine s uporabom prirodnih materijala - testiranje s potresnom platformom i numeričko modeliranje / *Seismic base isolation of a building by using natural materials - shake table testing and numerical modeling*  
Voditelj projekta / Project Coordinator:  
prof. dr. sc. Jure Radnić
- Eksperimentalna i numerička istraživanja mehanizama u nesaturiranim geomaterijalima / *Experimental and numerical investigations of mechanisms in unsaturated geomaterials*  
Voditelj projekta / Project Coordinator:  
izv. prof. dr. sc. Nataša Štambuk Cvitanović
- Metodologija za procjenu parametara u problemima propagacije pukotina nastalih pod utjecajem

ekstremnih mehaničkih opterećenja / *Parameter estimation framework for fracture propagation problems under extreme mechanical loads*  
Voditelj projekta / Project Coordinator:  
doc. dr. sc. Mijo Nikolić

- Multifizikalno modeliranje sustava površinskih i podzemnih voda / *Multi-physics modelling of surface and subsurface Waters*  
Voditelj projekta / Project Coordinator:  
prof. dr. sc. Hrvoje Gotovac

### Znanstveno-istraživački projekti financirani od strane EU (razdoblje 2011.-2021.)

HR. 3.2.01-0262 Operativni program  
Razvoj ljudskih potencijala:  
Procjena rizika od zagađenja uzrokovanim rijekama i  
ispustima u priobalju / *Risk assessment of the pollution  
caused by rivers and discharges in coastal areas*  
Voditelj projekta / Project Coordinator:  
dr. sc. Morena Galešić

Operativni program Konkurentnost i kohezija 2014. - 2020.,  
Vrhunska istraživanja Znanstvenih centara izvrsnosti:  
STIM-REI Centar izvrsnosti za znanost i tehnologiju –  
Integracija mediteranske regije /  
*Center of Excellence for Science and Technology –  
Integration of Mediterranean Region*  
Voditelj projekta / Project Coordinator:  
prof. dr. sc. Roko Andričević

KK.01.1.07, Jačanje kapaciteta za  
istraživanje, razvoj i inovacije:  
Monitoring obalnog područja koristeći višeskalne metode  
/ *Coastal zone monitoring using multi-scaling methods*  
Voditelj projekta / Project Coordinator:  
prof. dr. sc. Roko Andričević

Operativni program Konkurentnost i kohezija 2014. -  
2020., Ulaganje u znanost i inovacije – prvi poziv:  
Razvoj tehnologije za procjenu autopurifikacijskih  
sposobnosti priobalnih voda /  
*Coastal Autopurification Assessment Technology*  
Voditelj projekta / Project Coordinator:  
prof. dr. sc. Roko Andričević

KK.01.2.1.02 Povećanje razvoja novih proizvoda i usluga koji proizlaze iz aktivnosti istraživanja i razvoja: Povećanje razvoja novih proizvoda drvne industrije koji se koriste u građevini  
Voditelj projekta / Project Coordinator:  
prof. dr. sc. Ivica Boko

KK.01.2.1.02 Povećanje razvoja novih proizvoda i usluga koji proizlaze iz aktivnosti istraživanja i razvoja: Razvoj sustava odvodnje na horizontalnim površinama od propusnog betona  
Voditelj projekta / Project Coordinator:  
prof. dr. sc. Hrvoje Gotovac

KK.01.2.1.02 Povećanje razvoja novih proizvoda i usluga koji proizlaze iz aktivnosti istraživanja i razvoja: PINNA NOBILIS SSMA-19  
Voditelj projekta / Project Coordinator:  
doc. dr. sc. Ivo Andrić / doc. dr. sc. Veljko Srzić

KK.05.1.1.02.0024, Shema za jačanje primijenjenih istraživanja za mjere prilagodbe klimatskim promjenama:  
VODIME - Vode Imotske Poboljšanje praćenja, predviđanja i planiranja mjera prilagodbe klimatskim promjenama  
Voditelj projekta / Project Coordinator:  
doc. dr. sc. Ivo Andrić

#### INTERREG projekti (razdoblje 2011. - 2021.)

E-CITIJENS - Civil Protection Emergency DSS based on CITIzen Journalism to ENhance Safety of Adriatic Basin  
Voditelj projekta / Project Coordinator:  
prof. dr. sc. Snježana Knezić /  
doc. dr. sc. Martina Baučić

PMO-GATE - Preventing, Managing and Overcoming Natural Hazards Risks to mitiGATE economic and social impact  
Voditelj projekta / Project Coordinator:  
prof. dr. sc. Željana Nikolić

AdSWiM - Managed use of treated urban wastewater for the Quality of the Adriatic Sea  
Voditelj projekta / Project Coordinator:  
prof. dr. sc. Roko Andričević

NET4mPlastic - New Technologies for macro and Microplastic Detection and Analysis in the Adriatic Basin  
Voditelj projekta / Project Coordinator:  
prof. dr. sc. Roko Andričević

DEEP-SEA - Development of Energy Efficiency Planning and Services for mobility in the Adriatic MARINAS  
Voditelj projekta / Project Coordinator:

izv. prof. dr. sc. Nikša Jajac

MoST - Monitoring Sea-water intrusion in coastal aquifers and Testing pilot projects for its mitigation  
Voditelj projekta / Project Coordinator:  
doc. dr. sc. Veljko Srzić

PlasticBusters MPAs - Plastic Busters: preserving biodiversity from plastics in Mediterranean Marine Protected Areas  
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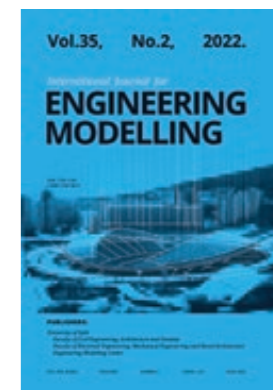
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Znanstveni časopis International Journal for Engineering Modelling (ISSN 1330-1365) utemeljen je 1988. godine kada je počeo izlaziti pod nazivom Međunarodni časopis za inženjersko modeliranje. Na inicijativu pokojnog profesora Frane Damjanića, po njegovu povratku s doktorskog studija sa Sveučilišta u Swanseaju i po ugledanju na neposredno prije pokrenuti časopis Engineering Computations, časopis su pokrenuli profesor Ante Mihanović i profesor Pavao Marović koji su danas njegovi počasni urednici. Do 2014. godine izdavači časopisa bili su naš Fakultet, Engineering Modelling Center (također ustrojbeni jedinica našeg fakulteta) te Građevinski fakultet Sveučilišta u Zagrebu. Od 2014. godine, zahvaljujući intenzivnoj suradnji s kolegama s Fakulteta elektrotehnike, strojarstva i brodogradnje, izdavači časopisa su sastavnice Sveučilišta u Splitu, Fakultet elektrotehnike, strojarstva i brodogradnje, Engineering modelling center te naš Fakultet, a Uredništvo časopisa sačinjavaju tri profesora Fakulteta elektrotehnike, strojarstva, brodogradnje: prof. dr. sc. Vedrana Cvitanić, prof. dr. sc. Dragan Poljak i prof. dr. sc. Frane Vlak te tri profesora Fakulteta građevinarstva, arhitekture i geodezije: prof. dr. sc. Mirela Galić, prof. dr. sc. Alen Harapin i prof. dr. sc. Boris Trogrlić.

Časopis je zamišljen da potakne i ubrza razmjenu znanstvenih informacija između hrvatskih i svjetskih znanstvenika iz područja računalno potpomognute analize, projektiranja i proizvodnje u različitim područjima računalne mehanike, numeričkih metoda, razvoja softwera i inženjerskog modeliranja, a samim tim unaprijedi međunarodnu suradnju na našem Fakultetu i doprinese vidljivosti i prepoznatljivosti Fakulteta u međunarodnim okvirima. Od 1993. godine svi se radovi objavljuju samo na engleskom jeziku u tiskanoj formi, a od 2015. i u digitalnoj formi s malo izmijenjenim dizajnom. Od 2016. godine časopis je uvršten u HRČAK - portal hrvatskih znanstvenih i stručnih časopisa. Svi radovi dostupni su u otvorenom pristupu, objavljivanje

The International Journal for Engineering Modelling (ISSN 1330-1365) was founded in 1988 under its Croatian title 'Međunarodni časopis za inženjersko modeliranje,' at the initiative of the late Professor Frane Damjanić upon his return from the doctoral studies at the University of Swansea. Based on a previously published journal (Engineering Computations) and at the incentive of Professor Damjanić, Professors Ante Mihanović and Pavao Marović launched a new scientific journal named 'International Journal for Engineering Modelling.' To this day, Professor Mihanović and Professor Marović have remained its honorary editors. Until 2014, International Journal for Engineering Modelling was published by the Faculty of Civil Engineering, Architecture and Geodesy, Engineering Modelling Center (an organizational unit of FCEAG) and the Faculty of Civil Engineering of the University of Zagreb. Since 2014, as a consequence of more intensive cooperation with the colleagues from the Faculty of Electrical Engineering, Mechanical Engineering and Naval Architecture, University of Split, the publishers of the journal have been constituent units of the University of Split: the abovementioned Faculty of Electrical Engineering, Mechanical Engineering and Naval Architecture, Engineering Modelling Center and our Faculty. The editorial board of the journal is comprised of three professors from the Faculty of Electrical Engineering, Mechanical Engineering and Naval Architecture (Vedrana Cvitanić, Ph.D., Dragan Poljak, Ph.D., and Frane Vlak, Ph.D.) and three professors from the Faculty of Civil Engineering, Architecture and Geodesy (Mirela Galić, Ph.D., Alen Harapin, Ph.D., and Boris Trogrlić, Ph.D.).

The journal was conceived of as a platform for stimulation and facilitation of the exchange of information between the Croatian and world scientists who use computer-assisted analysis for design or production in a range of scientific areas from computational mechanics, numerical methods, software development to engineering modeling.

je besplatno, zbog čega je časopis uvršten u tzv. „dijamantne“ OA časopise. Tijekom protekle 34 godine, u 34 Volumena, objavljeno je 397 radova na 3823 stranice.

Časopis u potpunosti opravdava svoj prefiks međunarodni jer su osim autora iz Hrvatske svoje radove u njemu objavljivali autori iz gotovo cijelog svijeta, od europskih zemalja: Austrija, Belgija, Bosna i Hercegovina, Bugarska, Češka Republika, Finska, Francuska, Italija, Makedonija, Norveška, Njemačka, Poljska, Portugal, Rusija, Slovačka, Slovenija, Švicarska, Turska, Velika Britanija (Engleska, Škotska, Vels), azijskih: Indija, Iran, Kina, Macau, Saudijska Arabija, Taiwan, Ujedinjeni Arapski Emirati, afričkih: Egipat, Maroko, te iz SAD-a, Meksika i Australije.

Izdavanje časopisa financijski je potpomognuto sredstvima Ministarstva znanosti i obrazovanja Republike Hrvatske, dijelom sredstvima Sveučilišta u Splitu, a najvećim dijelom izdavanje časopisa financiraju Fakultet elektrotehnike strojarstva i brodogradnje i Fakultet građevinarstva, arhitekture i geodezije.

Radovi objavljeni u našem časopisu indeksiraju se u poznatim svjetskim bazama: Scopus, Advances Technologies & Aerospace Collection, Advances Technologies & Aerospace Index, Agricultural & Environmental Science Collection, ASFA: Aquatic Sciences and Fisheries Abstracts, Aquatic Science & Fisheries Abstracts (ASFA) 3: Aquatic Pollution & Environmental Quality, Biological Science Collection, Biological Science Indeks, Earth, Atmospheric & Aquatic Science Collection, Engineering Collection, Engineering Index, Environmental Science Collection, Environmental Science Index, Hrčak, Inspec, Materials Science & Engineering Collection, Materials Science Collection, Materials Science Index, Naturals Science Collection, SciTech Premium Collection, Technology Collection.

Prema SJR-u (Scimago Journal Rank) tijekom svih ovih godina bio je različito ranginar u kvartile, a najbolje je bio pozicioniran 2019. godine kada je svrstan u časopise druge kvartile (Q2).

In doing so, the Journal promotes the international cooperation of our Faculty and contributes to its international recognition. As of 1993, all papers have been published exclusively in English in a print format and, as of 2015, in a digital format, too, with some minor changes in the graphic design. Since 2016, the journal has been included in HRČAK – the Portal of Croatian Scientific and Professional Journals. All issues of Engineering Modelling are made available in open access (OA), and publishing is kept free of charge, which is why the journal got included in the so-called 'diamond' OA journals. Finally, in its 34 years of continuous activity, a total of 397 papers were published in 34 volumes and on 3,823 pages.

The International Journal for Engineering Modelling carries its prefix 'international' deservedly, seeing that, aside from Croatian authors, authors from virtually all over the world chose to publish in our journal. The authors who published in Engineering Modelling came from European countries (Austria, Belgium, Bosnia and Herzegovina, Bulgaria, Czechia, Finland, France, Italy, North Macedonia, Norway, Germany, Poland, Portugal, Russia, Slovakia, Slovenia, Switzerland, Turkey, Great Britain (England, Scotland, Wales)), Asian countries (India, Iran, China, Macau, Taiwan, Saudi Arabia, the United Arab Emirates), African countries (Egypt, Morocco), as well as from the United States of America, Mexico, and Australia.

Journal issues are partly financed by the Ministry of Science and Education of the Republic of Croatia and partly by funds from the University of Split. However, the most substantial financial support comes from the Faculty of Electrical Engineering, Mechanical Engineering and Naval Architecture, and the Faculty of Civil Engineering, Architecture and Geodesy.

Papers published in our journal are indexed in internationally renowned databases: Scopus, Advances Technologies & Aerospace Collection, Advances Technologies & Aerospace Index, Agricultural & Environmental Science Collection, ASFA: Aquatic Sciences and Fisheries Abstracts (ASFA), Aquatic Sciences & Fisheries Abstracts (ASFA) 3: Aquatic Pollution & Environmental Quality, Biological Science Collection, Biological Science Database, Earth, Atmospheric & Aquatic Science Collection, Engineering Collection, Engineering Indeks, Environmental Science Collection, Environmental Science Index, Hrčak: the Portal of Croatian Scientific and Professional Journals, Inspec, Materials Science & Engineering Collection, Materials Science Collection, Materials Science Index, Naturals Science Collection, SciTech Premium Collection, and Technology Collection.

According to Scimago Journal Rank (SJR), the International Journal for Engineering Modelling has been ranked in different quartiles throughout its publishing. It reached its best position in 2019 when it was classified as a Q2 journal.

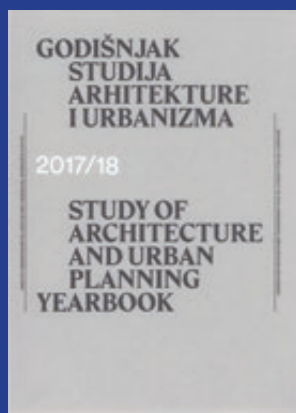
## GODIŠNJAK STUDIJA ARHITEKTURE I URBANIZMA / STUDIES OF ARCHITECTURE AND URBAN PLANNING YEARBOOK

Godišnjak studija arhitekture i urbanizma godišnja je publikacija koja sustavno bilježi i prezentira edukacijski proces na preddiplomskoj i diplomskoj razini studija. Tradicija godišnje publikacije studija uspostavljena je 2005. godine. U početku izlazi u formi kataloga izložbe studentskih radova, a prvi petogodišnji, osnivački ciklus studija obilježen je opširnom publikacijom iz 2008. godine, kada je u sklopu međunarodnog TEMPUS projekta nastavni program studija usklađen s odrednicama bolonjskog procesa. Od tada se studij predstavlja u formi godišnjaka. Inicijator je i njegov prvi urednik prof. dr. sc. Darovan Tušek, a od 2017. godine urednice godišnjaka su doc. dr. sc. Sanja Matijević Barčot i doc. dr. sc. Ana Grgić.

Godišnjak obuhvaća pregled ustroja i strukture pred-diplomskog i diplomskog studija te detaljnije prikaze semestralnih zadataka i izabranih studentskih radova, pri čemu se prezentiraju različite metode, pristupi i rezultati nastavnog procesa. Važan dio pri tom predstavlja pregled najboljih diplomskih radova koji kroz široki dijapazon tema daju sintezu znanja ostvarenih tijekom edukacijskog procesa. Publikacija također bilježi i izvannastavne edukacijske aktivnosti koje studij ostvaruje suradnjama na međunarodnim projektima, u sklopu javnih programa, izložbi, konferencija i studentskih radionica koje inicira ili u njima sudjeluje. Završno je poglavlje neizostavan ljetopis u kojem se kronološki popisuju svi važniji događaji na studiju tijekom akademske godine.

The Yearbook of Architecture and Urban Planning Studies is an annual publication that systematically records and presents the educational process at the undergraduate and graduate studies in architecture and urban planning. The tradition of issuing a yearbook was established in 2005. Initially, it was published as a catalog of the exhibition of students' works. The completion of the first five-year cycle of studies was marked by an extensive publication in 2008 when the study programs were harmonized with the Bologna Process guidelines within an international TEMPUS project. Since then, the study programs have been presented in the form of a yearbook. The founder of the Yearbook, and its first editor, was Professor Darovan Tušek. As of 2017, Assistant Professors Sanja Matijević Barčot and Ana Grgić have edited the Yearbook.

The Yearbook includes an outline of the curricula of undergraduate and graduate study programs, and more detailed overviews of semester assignments and selected student papers, through which different methods, approaches, and results of teaching are presented. A central part of the Yearbook is an overview of the best graduate theses that, through a wide range of topics, provides a synthesis of knowledge and skills one develops as a Master in Architecture and Urban Planning. The Yearbook also records extracurricular educational activities that the study program offers in collaborations through international projects or as a part of public programs, exhibitions, conferences, and student workshops that it initiates or participates in. The final chapter of the Yearbook is the indispensable chronicle that gives a chronology of all the main events that took place during an academic year.



## STRUČNA DJELATNOST / PROFESSIONAL ACTIVITIES

Na FGAG-u su, pored znanstveno-istraživačke djelatnosti i visokog obrazovanja, cjeloživotnog učenja organiziranog kroz program stručnog usavršavanja, prisutne i stručne djelatnosti u vidu izrade studija, ekspertiza, revizija, idejnih projekata, projekata složenih građevina, stručnih i projektantskih nadzora, laboratorijskih i terenskih ispitivanja konstrukcija te stručnih savjetovanja.

Djelatnici Fakulteta u svim su fazama svog postojanja intenzivno sudjelovali u stručnom i stručno-znanstvenom radu. Posebno je stručni rad bio naglašen u razdoblju 1977. - 1991. kada je Fakultet bio integriran s IGH-om. Takav vid djelatnosti Fakultet je učinio prepoznatljivim, a moglo bi se reći i da je postao brand ove institucije.

Naime, profesori, asistenti, inženjeri, laboranti, stručni suradnici sudjelovali su u nizu značajnih projekata, kako u Hrvatskoj, tako i u svijetu, i to u svojstvu projektanata, savjetnika, konzultanata, nadzornih inženjera, voditelja laboratorija i slično.

Mogli bismo govoriti o stotinama pa i tisućama složenih i vrlo složenih projekata u kojima je sudjelovao Fakultet. S obzirom na to da bi sada bilo teško navesti sve projekte, ovdje ćemo spomenuti samo neke vrste građevina te djelatnosti stručnog rada Fakulteta – izrada elaborata i projekata iz područja:

- geotehničke građevine i složeno temeljenje
- geomehaničko ispitivanje tla i stijena
- sanacije klizišta i odrona
- nasute i betonske brane
- hidrološke i hidrogeološke studije
- hidroelektrane
- akumulacije, urbani vodni sustavi i sustavi za gospodarenje krutim otpadom
- zaštita vodnih resursa i vodno-gospodarsko planiranje
- autoceste, državne, magistralne i županijske ceste i građevine (mostovi, tuneli, vijadukti, obilaznice)
- željeznice
- zračne luke
- morske luke (teretne i turističke)
- pomorske građevine i obalno inženjerstvo
- građevine naftne industrije (spremnici, cjevovodi, postrojenja, silosi)
- građevine brodograđevne industrije
- građevine sustava cementne industrije
- dalekovodni stupovi i antene komunikacija
- građevine vjetroelektrana
- stambene, poslovne, zdravstvene, obrazovne i turističke građevine, sportski i trgovački centri
- studije utjecaja na okoliš (kamenolomi, pomorske građevine, vjetroparkovi i akumulacije)
- vodoopskrbni i kanalizacijski sustavi

In addition to scientific research, higher education, and lifelong learning programs organized through professional development courses, FCEAG offers professional engineering services to the public, such as the development of studies, expert studies, design supervision studies, preliminary designs, complex structural designs; construction site and design supervision, laboratory and field structural testing, and expert consultancy, to name just a few.

The Faculty employees have actively participated in professional and professional-scientific work in the civil engineering industry throughout all the phases of the expansion of the institution. Professional work in the industry was particularly dominant in the period between 1977 and 1991 when the Faculty was integrated with Croatian Civil Engineering Institute. Activity in the industry made the Faculty recognizable and one may even claim that professional activity became the brand of this institution.

In fact, professors, assistants, engineers, laboratory staff, and professional associates, have all participated in various significant projects both in Croatia and abroad as designers, consultants, advisors, supervising engineers, laboratory leadres etc.

We are talking about hundreds, even thousands of complex and very complex designs in which the Faculty was involved. Considering that it will be virtually impossible to name them all here, we will only mention several types of activities of the Faculty's professional work – development of designs and projects in the following areas:

- geotechnical structures and complex foundations;
- geomechanical testing of soil and rocks testing;
- remediation of landslides and rockfalls;
- embankment and concrete dams;
- hydrological and hydrogeological studies;
- hydropower plants;
- reservoirs, urban water systems and solid waste management systems;
- protection of water resources and water management planning;
- highways; state, main and county roads and structures (tunnels, bridges, viaducts, bypasses);
- railways;
- airports;
- ports (freight and tourist);
- marine structures and coastal engineering;
- oil industry structures (tanks, pipelines, plants, silos);
- shipbuilding industry structures;
- cement industry structures;
- overhead transmission towers and communication antennas;
- windpower plant structures;

- građevine melioracija i odvodnje
- hidrotehnički tuneli
- integralni projekti zaštite voda i mora
- obnova kapitalnih građevina kulturne baštine
- ispitivanje građevinskih materijala i projektiranje specijalnih betona
- arhitektonski projekti raznih građevina i dokumenti prostornog uređenja
- geodetska snimanja i izrada planova i karata za potrebe projektiranja i planiranja
- geoprostorne analize i razvoj GIS-a
- geografski informacijski sustavi (GIS)
- pomorska kartografija i elektroničke navigacijske karte
- službeni topografsko-kartografski informacijski sustav
- SDI, ontologija, integracija prostornih podataka
- sustavno inženjerstvo i analize.

Sudjelovanje djelatnika Fakulteta u realizaciji stručnih projekata doprinijelo je kvalitetnijem stručnom i znanstvenom radu, a što je ujedno i strategija razvoja našega Fakulteta.

- residential, commercial, health, educational and tourism-oriented structures, sports halls, and shopping centres;
- environmental impact studies (quarries, naval structures, windpower plants and reservoirs);
- water supply and sewage systems;
- amelioration and drainage structures;
- hydrotechnical tunnels;
- integral water and sea protection projects;
- reconstruction of capital structures of cultural heritage;
- testing of construction materials and design of special concretes;
- architectural projects for various structures and spatial planning documents;
- geodetic surveys and elaboration of plans and maps for the design and planning;
- geospatial analysis and GIS development;
- geographic information systems (GIS);
- maritime cartography and electronic navigational charts;
- official topographic – cartographic information system;
- SDI, ontology, integration of spatial data;
- systematic engineering and analyses.

Participation of the Faculty's employees in the realization of various projects has contributed to the higher quality of professional and scientific work, thus reflecting and meeting the goals of the Faculty's developmental strategy.

## PROGRAM STRUČNOG USAVRŠAVANJA / PROFESSIONAL DEVELOPMENT PROGRAM

Fakultet od 2007. godine, a na temelju dobivene suglasnosti Ministarstva zaštite okoliša, prostornog uređenja i graditeljstva, kao oblik informalnog cjeloživotnog učenja provodi Program stručnog usavršavanja inženjera građevinarstva, arhitekture, strojarstva i elektrotehnike. Kroz predavanja i praktične primjere obrađuju se aktualne teme iz područja suvremenog graditeljstva i prostornog uređenja. Predavači su priznati stručnjaci znanstvenih i strukovnih područja s Fakulteta te gostujući stručnjaci iz gospodarstva i relevantnih institucija.

As of 2007, based on a permit granted by the Ministry of Environmental Protection, Physical Planning and Construction, the Faculty offers an informal lifelong learning Professional Development Program in Civil Engineering, Architecture, Mechanical, and Electrical Engineering. Through lectures and practical examples, the Professional Development Program covers current topics in contemporary construction and spatial planning. The classes are given by the Faculty's renowned experts in the pertinent scientific and professional disciplines, as well as invited experts from the industry and other relevant institutions.

## REVIDENTI / SUPERVISORS

Fakultet ima 22 ovlaštena inženjera građevinarstva, četiri ovlaštena inženjera arhitekture, dva ovlaštena inženjera geodezije i osam revidenata iz područja konstrukcija i geomehanike.

There are twenty-two certified civil engineers at the Faculty, four certified architects, three chartered geodetic engineers, and eight design supervisors in structural analysis and geomechanics.

**Mehanička otpornost i stabilnost betonskih i zidanih konstrukcija /**  
Mechanical resistance and stability of concrete and masonry structures:

dr. sc. Gotovac Blaž, dipl. ing. građ.  
dr. sc. Harapin Alen, dipl. ing. građ.  
dr. sc. Mihanović Ante, emeritus  
dr. sc. Radnić Jure, dipl. ing. građ.  
dr. sc. Trogrlić Boris, dipl. ing. građ.

**Mehanička otpornost i stabilnost metalnih i spregnutih konstrukcija /**  
Mechanical resistance and stability of metal and composite structures:

dr. sc. Bernardin Peroš, emeritus

**Mehanička otpornost i stabilnost drvenih konstrukcija /**  
Mechanical resistance and stability of timber structures

Đuro Nižetić, dipl. ing. građ.

**Mehanička otpornost i stabilnost temeljnih konstrukcija, konstrukcija zaštite građevnih jama i podzemnih građevina, temeljnog saniranog tla te nasutih građevina i odlagališta /**  
Mechanical resistance and stability of foundations, protection constructions for building pits and underground structures, improved foundation soil, earthfill constructions and landfills:

dr. sc. Predrag Mišćević, dipl. ing. građ.

# STUDENTI FGAG-A / STUDENTS OF FCEAG

Ako ste se ikad pitali kakav je FGAG, jedno je sigurno, lagan nije. Zahtjeva cjelogodišnji, mukotrpan angažman pod direktnim nadzorom onih najstručnijih. Ipak, brojne neprospavane noći dobiju smisao jednom kada sudjeluješ u razvoju projekta od početka do kraja, kroz sve njegove faze, *na istom mjestu*. Iscrpljujuće, ali ispunjujuće. Tlaka, ali radost.

Studij geodezije na FGAG-u pomaže u razumijevanju prostora, a kroz usvajanje tehnika i principa rada pruža znanja kako prikupiti, interpretirati i prikazati prostorne podatke. Rad u malim grupama i posvećenost nastavnog osoblja daje kvalifikacije za mogućnost rada u praksi, ali i nastavak djelovanja u znanstvenim krugovima. Osobno dolazim iz redova tih studenata i iz dosadašnjeg iskustva mogu reći da sam na to ponosan. Čvrsti temelji ipak jesu osnova nadogradnji znanja, a upravo se to može dobiti kroz obrazovanje na studiju geodezije u Splitu.

Oduvijek sam bio fasciniran gradnjom, umijećem modeliranja konstrukcije, materijala, izazovom izdržljivosti i stabilnosti, traženjem novih ideja, opcija i pomicanjem granica mogućeg, koja se u građevini neprestano nadograđuje. Upravo me sve navedeno navelo na spoznaju da ograničenja nema i taj snažni osjećaj mogućnosti bez granica osnovni je razlog zašto sam upisao Studij građevinarstva. Sam studij naučio me snalažljivosti, kolegijalnosti, predanosti i disciplini, što je zajedno stvorilo čvrste temelje koji su dalje nadograđeni stečenim znanjima iz raznovrsnih kolegija. Cjelokupna stečena znanja, savjeti profesora i praktični rad pripremili su me za sve nevolje svakodnevnog života inženjera. *Iako svako razdoblje donosi svoje osobine i karakteristike, svima su zajednički čvrsti temelji.*

If you have ever wondered what studying is like at the Faculty of Civil Engineering, Architecture and Geodesy in Split (FCEAG), one thing is certain – it is not easy. It requires unremitting and strenuous efforts under the direct guidance of the greatest professionals. Nevertheless, countless sleepless nights do finally pay off once one partakes in the development of a project from its inception till its conclusion, *all in one place*. Toilsome, but, rewarding. A pain in the neck, but a delightful one.

The study of geodesy at FCEAG helps one in the understanding of space. Through the transmission of geodetical techniques and principles, this study program offers skills and knowledge of the acquisition, interpretation, and presentation of spatial data. Work on assignments in small groups as well as lecturers' and teachers' commitment to students translate into qualifications tailored for a working career, but suitable for pursuing a career in science and academia, too. I myself have gone through such a development path and, based on firsthand experience, I can only say that I am proud to have been a geodesy student at FCEAG.

I have always been fascinated with construction and the art of modeling buildings, materials, with the challenge of resistance and stability, with the possibilities of finding new concepts and alternatives and pushing the limits of the possible. All of these aspects are being continually advanced in civil engineering and precisely this brought me to a conclusion that, in fact, there are no limits. This powerful feeling of boundless possibilities was the primary reason that led me to take up civil engineering studies. The studies instilled independency, collegiality, determination, and discipline in me, all of which, together with skills and knowledge acquired through various courses, set firm foundations for the future. The obtained knowledge and skills, together with our professors' advice and practical implementation of that knowledge prepared me for all the potential predicaments in a day-to-day life of a civil engineer. *Although every era brings its own challenges and has its own characteristics, they are all bound together by firm foundations.*

Kao mala, gradila sam kućice za lutke, gubila vid igrajući Sims i krala rođaku Lego kockice. Zbrojeno s matematičkom i kreativnom notom, koja me izdvajala iz tipičnog društva srednjoškolaca, sve to je ukazivalo na studij arhitekture kao pravi izbor fakulteta za mene. Upravo mi je studij arhitekture u Splitu omogućio da bliskim radom s cijenjenim arhitektima različitih svjetonazora dodatno razvijem svoj kreativni izražaj. Kroz projektiranje, spoznaju i (re)prezentaciju arhitekture, preko urbanizma, obnove kulturne baštine, pa sve do detalja... Sve kroz što programom prolazimo na fakultetu me približilo načinu razmišljanja arhitekata. Treći kat naše zgrade davao mi je sigurnost dok je istovremeno postavljao najveće izazove pred mene; tu sam pronašla svoje „Ja“ preispitivanjem svega što znam - *spoznaj sebe da možeš spoznati prostor oko sebe.*

Od Dioklecijanove palače do stambenog kompleksa Ruđera Boškovića, s njihovim adaptacijama svakodnevnog životu i radu, Split postaje poželjan grad iz čijih povijesnih primjera građevinari, arhitekti, geodeti, pa i drugi pojedinci neprestano uče i crpe nadahnuće. Ovaj studentski grad krasi i pristupačnost, što se direktno reflektira i na našem fakultetu u obliku izravnog *hands on pristupa* i prijateljskog odnosa profesora i studenata. To je grad po mjeri čovjeka, a po riječima našeg uvaženog profesora, Dinka Kovačića - „Najvažnija stvar u životu je imat mjeru!“.

U konačnici, sva ljepota naše struke leži u oblikovanju konstrukcija na određenoj podlozi koje pružaju senzaciju osjećaja prostora, čime one ne oblikuju samo onaj naš živući, nego i nas kao ljude, društvo. Mislimo da Fakultet građevinarstva, arhitekture i geodezije u Splitu pruža idealnu podlogu za duge i uspješne karijere u našim odabranim strukama, i uvijek ćemo se sa smiješkom sjećati naših studentskih dana. Sretan rođendan FGAG-u i neka izdrži još 50 godina!

Studenti FGAG-a:  
Karlo Kević, mag. ing. geod. et geoinf.  
Ivan Baričević, mag. ing. aedif.  
Nora Dešković, univ. bacc. ing. arch.  
Sara Stubnja Pavičin, studentica PSSA na FGAG-u

As a child, I used to build doll houses, lose my eyesight playing Sims, and steal Lego blocks from a cousin. Along with creativity and a propensity for mathematics that made me stand out from high school peers, all of it pointed to the study of architecture as the right choice for my studies. And it is precisely in this study program I managed to develop further my creativity through close collaboration with esteemed architects of various worldviews. Through design, understanding and (re)presentation of architecture, over the studies of urbanism and restoration of built heritage, all the way to delving into details... All that we learn in our program has nurtured a mindset of an architect in me. The third floor of our building gave me the feeling of safety while, at the same time, made me face the biggest challenges ever. And this is where I have found my true self – by questioning everything I had ever known – *understand yourself so that you may understand the space around you.*

From the Diocletian's palace till the residential complex Ruđer Bošković and their adaptations to a day-to-day life and work, Split has become a desirable city whose historical sites inspire civil engineers, architects, surveyors and other individuals to continually learn and grow. This student city boasts approachableness which, at our Faculty, is directly reflected in the form of a hands-on work approach and an amicable relationship between professors and students. Split is a city made to a human measure, and according to our esteemed professor, Dinko Kovačić: „The most important thing in life is to have your limits!“

Finally, all the beauty of our profession lies in designing structures on certain foundations that give a sensation of space, by way of which they shape not only our lives but also us as a society. We believe that the Faculty of Civil Engineering, Architecture and Geodesy in Split offers a perfect foundation for long-lasting and successful careers and we will always remember our student days with joy. May FCEAG have a happy anniversary and stand tall for yet another 50 years!

FCEAG's students:  
Karlo Kević, M.Sc.Geod.  
Ivan Baričević, M.Sc.CE  
Nora Dešković, B.Sc.Arch.  
Sara Stubnja Pavičin, an undergraduate student of Architecture at FCEAG

## PROGRAM STRUČNOG USAVRŠAVANJA / PROFESSIONAL DEVELOPMENT PROGRAM

U posljednjih desetak godina Fakultet građevinarstva, arhitekture i geodezije bilježi iznimno veliki porast međunarodnih aktivnosti, što se prije svega odnosi na međunarodnu odlaznu i dolaznu mobilnost studenata te nastavnog i nenastavnog osoblja. Fakultet građevinarstva, arhitekture i geodezije sudjeluje u nekoliko europskih i svjetskih programa mobilnosti. Pri tome su najznačajniji program mobilnosti sveučilišnih studenata, nastavnika i nenastavnog osoblja Erasmus+, Srednjoeuropski program razmjene za sveučilišne studije CEEPUS i razmjena u okviru Udruge za međunarodnu razmjenu studenata prirodnih i tehničkih znanosti IAESTE.

Trenutno Fakultet građevinarstva, arhitekture i geodezije ima preko 40 aktivnih sporazuma s relevantnim Sveučilištima diljem Europe za suradnju pri razmjeni studenata i/ili osoblja u okviru programa mobilnosti Erasmus+. FGAG je potpisao programske sporazume s relevantnim europskim sveučilištima iz Austrije, Češke, Francuske, Njemačke, Mađarske, Italije, Makedonije, Nizozemske, Norveške, Poljske, Portugala, Slovenije, Srbije, Španjolske i Turske te se svake godine broj potpisanih sporazuma dodatno povećava. Nadalje, FGAG je sklopio partnerske sporazume sa renomiranim Sveučilištima u zemljama izvan EU kao što su Sveučilište Penn State u SAD-u te Technion Institute of Technology u Izraelu.

U sklopu programa razmjene mobilnost su ostvarili mnogobrojni studenti i nastavnici Fakulteta, a također su Fakultet posjetili i mnogi strani nastavnici i studenti. Dolazni studenti mogu pohađati nastavu na engleskom jeziku na diplomskim sveučilišnim studijima Građevinarstvo, Arhitektura i urbanizam, sveučilišnom preddiplomskom studiju Geodezija i geoinformatika te poslijediplomskom doktorskom studiju Građevinarstvo. U cilju poboljšanja kvalitete nastavnog kurikuluma, nastavnici FGAG-a svake godine uvode kolegije koji se izvode i na engleskom jeziku. Trenutno, Fakultet građevinarstva, arhitekture i geodezije nudi preko 40 kolegija koji se mogu izvoditi na engleskom jeziku za dolazne studente.

Over the past ten years, the Faculty of Civil Engineering, Architecture and Geodesy has recorded a substantial increase in international-oriented activities. This primarily refers to the the international outgoing and incoming mobility of students and of teaching and non-teaching staff. The Faculty of Civil Engineering, Architecture and Geodesy participates in several European and world mobility programs, the most important of which are the mobility programs of university students, teachers and non-teaching staff (Erasmus +), the Central European Exchange Program for University Studies (CEEPUS), and the Association for International Exchange of Students of Natural and Technical Sciences (IAESTE).

Currently, the Faculty of Civil Engineering, Architecture and Geodesy has over 40 active agreements with relevant Universities across Europe for cooperation and the exchange of students and staff within the Erasmus + mobility program. FCEAG has signed program agreements with relevant European universities from Austria, Czechia, France, Germany, Hungary, Italy, Macedonia, the Netherlands, Norway, Poland, Portugal, Slovenia, Serbia, Spain, and Turkey. The number of signed agreements increases every year. Furthermore, FCEAG has entered into partnership agreements with renowned Universities in non-EU countries, such as Penn State University in the USA and the Technion Institute of Technology in Israel.

Many FCEAG students and teachers have participated in the mobility programs so far, and, likewise, many foreign teachers and students visited our Faculty. Currently, visiting students can take courses in English offered within the graduate degree programs in Civil Engineering, and Architecture and Urban Planning, the undergraduate program in Geodesy and Geoinformatics, and the postgraduate doctoral program in Civil Engineering. To improve the course offer, FCEAG teachers introduce courses in English every year. Currently, there are over 40 courses available in the English language for incoming students at the Faculty of Civil Engineering, Architecture and Geodesy.

## ALUMNI – UDRUGA BIVŠIH STUDENTICA I STUDENATA FGAG-A SPLIT / ALUMNI FCEAG

Udruga diplomiranih inženjera građevinarstva i arhitekture Građevinsko-arhitektonskog fakulteta u Splitu AMCA-FAAS (ALMAE MATRIS CROATICAE ALUMNI – FACULTAS AEDIFICANDI et ARCHITECTURAE SPALATENSIS) osnovana je 27. listopada 2009. god. Udruga je osnovana s ciljem međusobnog povezivanja nekadašnjih studenata s matičnim Fakultetom i Sveučilištem. Kao jedna od aktivnosti Udruge organiziranje je susreta jubilarnih generacija studenata čime se ostvaruje prilika okupljanja starih i potencijalno novih članova radi uspostavljanja novih ili obnove starih kontakata. Udruga je osnovana kako bi se očuvala tradicija Fakulteta kod nas i u svijetu, kako bi naši bivši i sadašnji studenti u Udruzi mogli razmijeniti mišljenja o svim bitnim pitanjima razvoja u stručnim i znanstvenim poljima građevinarstva, arhitekture te srodnim područjima. U tijeku je izrada baze podataka članova. Aktualne obavijesti o Udruzi mogu se naći na mrežnim stranicama Fakulteta ([www.gradst.hr](http://www.gradst.hr)).

The Association of the graduated civil engineers and architects of the Faculty of Civil Engineering, Architecture and Geodesy in Split (AMCA-FAAS; ALMAE MATRIS CROATICAE ALUMNI – FACULTAS AEDIFICANDI et ARCHITECTURAE SPALATENSIS) was founded on October 27th, 2009. The Association was founded with the intention to connect former students with their University and Faculty. The Association, among other things, organizes jubilee celebrations and social events, thereby providing a forum for gathering former or potentially new alumni, forming new relationships, or reconnecting with old friends and acquaintances. The Association was founded to preserve the Faculty's tradition, both in Croatia and globally, and allow our former and current alumni to exchange opinions on all relevant ongoing matters in the professional and scientific fields of civil engineering and architecture, and cognate research and professional fields. A database of members is currently under construction, and the membership registration is open. The current news about the Association is available on the Faculty website ([www.gradst.hr](http://www.gradst.hr)).



# AKADEMSKI NASLOVI STEČENI NA FGAG-U / ACADEMIC DEGREES CONFERRED BY FCEAG

## STUDIJI GRAĐEVINARSTVA / STUDY OF CIVIL ENGINEERING

### POSILIJEDIPLOMSKI SVEUČILIŠNI (DOKTORSKI) STUDIJ GRAĐEVINARSTVA - DOKTORI / DOKTORICE ZNANOSTI (DR. SC.) / POSTGRADUATE DOCTORAL STUDY OF CIVIL ENGINEERING - DOCTOR OF PHILOSOPHY DEGREE (PH.D.)

1. Predrag Mišćević; Utjecaj rastrošbe na primjenu meke stijene u geotekničkim konstrukcijama; mentor: doc. dr. sc. Tanja Roje- Bonacci, rad obranjen 06.11.1996.
2. Nevenka Ožanić; Hidrološki model funkcioniranja Vranskog jezera na otoku Cresu; mentor: prof. dr. sc. Ognjen Bonacci, rad obranjen 16.12.1996.
3. Mladen Petrić; Doprinos razvoju metodologije za planiranje rada vodoprivrednih akumulacija; mentor: prof. dr. sc. Jure Margeta, rad obranjen 16.12.1996.
4. Snježana Knezić; Model gospodarstva kakvoćom obalnog mora; mentor: prof. dr. sc. Jure Margeta, rad obranjen 27.2.1998.
5. Željana Nikolić; Doprinos poboljšanja rješenja nad konačnim elementima linijskih konstrukcija i tankih ploča; mentor: prof. dr. sc. Ante Mihanović, rad obranjen 21.4.1999.
6. Vedrana Kozulić; Numeričko modeliranje metodom fragmenata pomoću Rbf funkcija; mentor: prof. dr. sc. Blaž Gotovac, rad obranjen 28.9.1999.
7. Alen Harapin; Numerička simulacija dinamičkog međudjelovanja tekućine i konstrukcije; mentor: prof. dr. sc. Jure Radnić, rad obranjen 11.7.2000.
8. Vesna Denić – Jukić; Hidrološko gledište otjecanja u kršu; mentor: prof. dr. sc. Ognjen Bonacci, rad obranjen 11.7.2002.
9. Sandra Juradin; Mehanizam djelovanja vibracija na svježi beton; mentor: prof. dr. sc. Petar Krstulović, rad obranjen 16.10.2003.
10. Boris Trogrlić; Nelinearni numerički model stabilnosti i nosivosti prostornih armirano betonskih linijskih konstrukcija; mentor: prof. dr. sc. Ante Mihanović, rad obranjen 22.12.2003.
11. Aleksandar Jurić; Nelinearni numerički model stabilnosti i nosivosti prostornih čeličnih konstrukcija; mentor: prof. dr. sc. Ante Mihanović, rad obranjen 17.3.2004.
12. Dražen Cvitanić; Prometni kriteriji za izbor tipa kontrole i geometrije raskrižja; mentor: prof. dr. sc. Ivo Lozić, rad obranjen 14.4.2004.
13. Damir Jukić; Uloga transfer funkcija pri izradi bilance i modeliranju otjecanja u kršu; mentor: prof. dr. sc. Ognjen Bonacci, rad obranjen 15.2.2005.
14. Ivica Boko; Određivanje stupnja sigurnosti nosivih čeličnih konstrukcija izloženih djelovanju požara; mentor: prof. dr. sc. Bernardin Peroš, rad obranjen 28.6.2005.
15. Ivana Štimac; Uporaba utjecajnih linija progiba u otkrivanju oštećenja konstrukcija; mentor: prof. dr. sc. Ante Mihanović, rad obranjen 30.1.2006.
16. Nenad Mladineo; Istraživanje postupaka optimizacije u proizvodnji, transportu i potrošnji betona; mentor: prof. dr. sc. Zoran Ribarović, rad obranjen 07.2.2006.
17. Mirela Galić; Razvoj nelinearnog 3D numeričkog modela armiranih i prednapetih betonskih konstrukcija; mentor: prof. dr. sc. Pavao Marović, rad obranjen 27.6.2006.
18. Domagoj Matešan; Vremenska analiza prednapetih betonskih ljsaka; mentor: prof. dr. sc. Jure Radnić, rad obranjen 19.7.2007.
19. Deana Breški; Utjecaj duljine dodatnog traka na propusnu moć semaforiziranog raskrižja; mentor: prof. dr. sc. Dražen Cvitanić, rad obranjen 29.5.2008.
20. Igor Ljubenkov; Održivo gospodarenje vodnim resursima otoka Korčule s naglaskom na njihovo korištenje za poljoprivredu; mentor: prof. dr. sc. Ognjen Bonacci, rad obranjen 09.3.2011.
21. Davor Bojanić; Hidrodinamičko modeliranje krških vodonosnika; mentor: prof. dr. sc. Vinko Jović, rad obranjen 16.12.2011.
22. Nikolina Živaljić; Metoda konačno-diskretnih elemenata za seizmičku 2D analizu AB konstrukcija; mentorica: prof. dr. sc. Željana Nikolić, rad obranjen 9.5.2012.
23. Bojana Horvat; Analiza prostorne strukture komponenti bilance voda na području hrvatskog dijela Istre; mentor: prof. dr. sc. Ognjen Bonacci, rad obranjen: 11.6.2012.
24. Nataša Štambuk Cvitanović; Istraživanje utjecaja nepravilnosti oblika intaktnih uzoraka na mehanička svojstva vapnenačke stijene; mentor: prof. dr. sc. Predrag Mišćević; rad obranjen: 20.6.2012.
25. Neno Torić; Numerička i eksperimentalna analiza nosivih konstrukcija pri djelovanju požara; mentor: prof. dr. sc. Ivica Boko; rad obranjen 18.7.2012.
26. Radoslav Markić; Utjecaj odnosa prednapete klasične armature na ponašanje betonskih nosača; mentor: prof. dr. sc. Jure Radnić; rad obranjen 19.7.2012.
27. Danila Lozzi-Kožar; Numeričko trodimenzionalno modeliranje raspodjele temperature u jezeru Botonega; mentor: prof. dr. sc. Roko Andrićević; rad obranjen 19.7.2012.
28. Hrvoje Smoljanović; Seizmička analiza zidanih konstrukcija metodom konačno – diskretnih elemenata", mentorica: prof. dr. sc. Željana Nikolić, rad obranjen 17.6.2013.
29. Ivan Balić; Ciljano ubrzanje u višedimenzionalnoj metodi naguravanja u potresnoj analizi A/B konstrukcija", mentor: prof. dr. sc. Boris Trogrlić, rad obranjen 10.7.2013.
30. Veljko Srzić; Utjecaj dinamike transportnih procesa na statistička svojstva polja koncentracije u vodonosnicima i procjenu rizika temeljenu na konceptu očekivane frakcije mase / „Significance of transport dynamics for concentration based risk assessment in the subsurface", mentori: prof. dr. sc. Vladimir Cvetković i prof. dr. sc. Roko Andrićević rad obranjen 5.11.2013
31. Vladimir Divić; Simulacije krajnjih graničnih stanja pod djelovanjem vjetra metodom konačno – diskretnih elemenata, mentor: prof. dr. sc. Bernardin Peroš, rad obranjen 26.2.2014.
32. Ivo Andrić; Primjena tehnologija temeljenih na hidroakustici, radaru i tlačnim senzorima kod praćenja i analize kretanja vode u kršu", mentor: prof. emer. dr. sc. Ognjen Bonacci, rad obranjen 12.5.2014.
33. Bojan Đurin; Održivost rada urbanog vodoopskrbnog sustava, mentor: prof. dr. sc. Jure Margeta, rad obranjen 28.8.2014.
34. Nikola Grgić; Eksperimentalno ispitivanje i numeričko modeliranje ponašanja vitkih armiranobetonskih stupova u seizmičkim uvjetima, mentor: prof. dr. sc. Jure Radnić, rad obranjen 14.11.2014.
35. Marija Smilović; Ponašanje i numeričko modeliranje zidanih konstrukcija pod statičkim i dinamičkim opterećenjem, mentor: prof. dr. sc. Jure Radnić, rad obranjen 21.11.2014.
36. Goran Baloević; Eksperimentalno ispitivanje i numeričko modeliranje betonskih i čeličnih okvira sa zidanom ispunom pod statičkim i dinamičkim opterećenjem, mentor: prof. dr. sc. Jure Radnić, rad obranjen 26.2.2015.
37. Goran Vlastelica; Utjecaj rastrošbe na trajnost zasjeka u mekoj stijeni, mentor: prof. dr. sc. Predrag Mišćević, rad obranjen 24.4.2015.
38. Ivana Željko; Identifikacija hidroloških režima otjecanja u kršu konceptualnim i parametarskim modelima, mentor: prof. emer. dr. sc. Ognjen Bonacci, rad obranjen 26.8.2015.
39. Mijo Nikolić; Mehanika stijena, fenomen loma s postojećim pukotinama i unutrašnjim protokom fluida kroz pukotine, mentori: prof. dr. sc. Adnan Ibrahimbegović i prof. dr. sc. Predrag Mišćević, rad obranjen 28.9.2015.
40. Ivana Uzelac; Metoda konačno – diskretnih elemenata za statičku i dinamičku analizu tankih lukova i ljsaka, mentor: prof. dr. sc. Bernardin Peroš, rad obranjen 12.11.2015.
41. Nives Brajčić Kurbaša; Eksponencijalne atomske bazne funkcije: razvoj i primjena, mentor: prof. dr. sc. Blaž Gotovac, rad obranjen 22.4.2016.
42. Marina Sunara Kusić; Numeričko modeliranje međudjelovanja konstrukcije i tekućine kombinacijom metode konačnih elemenata i hidrodinamike izgladenih čestica, mentor: prof. dr. sc. Alen Harapin, rad obranjen 29.5.2017.
43. Ana Kadić; Hidrološki odnosi susjednih krških izvora, mentorica: prof. dr. sc. Vesna Denić – Jukić, rad obranjen 10.11.2017.
44. Morena Galešić; Prostorna distribucija koncentracije zagađenja kao rezultat pronosa u ušćima rijeka, mentor: prof. dr. sc. Roko Andrićević, rad obranjen 16.2.2018.
45. Boris Čutura; Modeliranje postotka vremena provedenog u koloni na dvotračnim izvangradskim cestama, mentor: prof. dr. sc. Dražen Cvitanić, rad obranjen 22.5.2018.
46. Katarina Rogulj; Sustav za podršku odlučivanju u planiranju obnove povijesnih cestovnih mostova, mentor: izv. prof. dr. sc. Nikša Jajac, rad obranjen 25.9.2018.
47. Luka Malenica; Numeričko modeliranje bazirano na spline baznim funkcijama: Primjena na modeliranju tečenja u krškim vodonosnicima i adekvatno dominantnim problemima, mentor: prof. dr. sc. Hrvoje Gotovac, rad obranjen 08.02.2019.
48. Ante Buzov; Utjecaj nekih parametara na ponašanje i graničnu nosivost višedijelnih kamenih stupova pri statičkom opterećenju i potresu, mentor: prof. dr. sc. Jure Radnić, rad obranjen 15.3.2019.
49. Ante Džolan; Numeričko modeliranje vremenski ovisnih deformacija betona pri 3D analizi konstrukcija, mentor: prof. dr. sc. Alen Harapin, rad obranjen 17.1.2020.
50. Biljana Maljković; Unapređenje kriterija konzistencije u horizontalnim krivinama vangradskih dvotračnih cesta uz primjenu bicikla – modela vozila te realnih parametara ponašanja vozača; mentor: prof. dr. sc. Dražen Cvitanić, rad obranjen 22.1.2021.
51. Grgo Kamber; Adaptive numerical modelling of engineering problems using hierarchical FUP basic functions and control volume isogeometric analysis; mentorica: prof. dr. sc. Vedrana Kozulić, rad obranjen 8.2.2021
52. Ivan Banović; Seismic base isolation using natural materials – experimental and numerical verification, mentor: prof. dr. sc. Jure Radnić, rad obranjen 26.3.2021.
53. Toni Kekez; Procjena poplavnog rizika s utjecajem nesigurnosti, mentorica: prof. dr. sc. Snježana Knezić, rad obranjen 11.3.2021.



**POSILIJDIPLOMSKI SVEUČILIŠNI STUDIJ GRAĐEVINARSTVA -  
MAGISTRI / MAGISTRICE ZNANOSTI (MR. SC.) /  
POSTGRADUATE STUDY OF CIVIL ENGINEERING -  
MASTER OF PHILOSOPHY WITH RESEARCH (MPHIL.CE.)**

1. Željana Nikolić; Razvoj numeričkog modela za naknadno prednapiranje armirano betonskih konstrukcija u ravnini; mentor: prof. dr. sc. Ante Mihanović, rad obranjen 22.12.1993.
2. Vedrana Kozulić; Numerička analiza konstrukcija sastavljenih od ljuski i stupova; mentor: prof. dr. sc. Blaž Gotovac, rad obranjen 22.12.1993.
3. Damir Jukić; Primjena numeričkih modela pri izradi studije na okoliš podzemskih kanalizacijskih ispusta; mentor: prof. dr. sc. Jure Margeta, rad obranjen 28.2.1996.
4. Alen Harapin; Interakcija fluida i konstrukcije s uključenjem tlakova u pukotinama; mentor: prof. dr. sc. Jure Radnić, rad obranjen 28.2.1996.
5. Nataša Štambuk; Numeričko modeliranje u analizi kamenih konstrukcija; mentor: prof. dr. sc. Pavao Marović, rad obranjen 20.6.1996.
6. Boris Vidak; Elasto – plastični numerički model za proračun konstrukcija; mentor: prof. dr. sc. Pavao Marović, rad obranjen 20.6.1996.
7. Vesna Denić; Inženjerski aspekti hidrološke bilance voda za potrebe poljoprivredne proizvodnje; mentor: prof. dr. sc. Ognjen Bonacci, rad obranjen 17.12.1996.
8. Ivo Čolak; Numeričko modeliranje prostornih 3D konstrukcija s pravilnim svojstvima u jednom smjeru; mentor: prof. dr. sc. Blaž Gotovac, rad obranjen 18.2.1997.
9. Silva Plazibat; Nelinearni numerički model nosivosti i stabilnosti drvenih okvirnih konstrukcija; mentor: prof. dr. sc. Ante Mihanović, rad obranjen 8.12.1997.
10. Mladen Kožul; Nelinearni numerički model nosivosti i stabilnosti ravninskih linijskih A/B konstrukcija; mentor: prof. dr. sc. Ante Mihanović, rad obranjen 30.6.1998.
11. Aleksandar Jurić; Primjena nelinearnog numeričkog modela na stabilnost i nosivost ravninskih čeličnih konstrukcija; mentor: prof. dr. sc. Ante Mihanović, rad obranjen 4.11.1998.
12. Frane Vlak; Primjena Lagrangeovih množitelja u numeričkoj analizi kontaktnih problema; mentor: prof. dr. sc. Pavao Marović, rad obranjen 25.11.1999.
13. Vedrana Cvitanić; Obnovljeni Lagrange – Hencky model velikih elasto – plastičnih deformacija; mentor: prof. dr. sc. Pavao Marović, rad obranjen 23.3.2000.
14. Domagoj Matešan; Nelinearna analiza betonskih ljuski; mentor: prof. dr. sc. Jure Radnić, rad obranjen 6.6.2000.
15. Boris Trogrlić; Protivpotresni potpuno armirani lakobetonski zidovi; mentor: prof. dr. sc. Ante Mihanović, rad obranjen 11.7.2000.
16. Dražen Cvitanić; Modeliranje kapaciteta i razine usluge nesemaforiziranih raskrižja; mentor: prof. dr. sc. Ivo Lozić, rad obranjen 22.11.2000.
17. Josip Rubinić; Hidrološke osnove planiranja i upravljanja akumulacijama – primjer akumulacije Boljunčica u Istri; mentor: prof. dr. sc. Ognjen Bonacci, rad obranjen 12.2.2001.
18. Ivica Boko; Sigurnost čeličnih konstrukcija u slučaju djelovanja požara; mentor: prof. dr. sc. Bernardin Peroš, rad obranjen 11.7.2001.
19. Maja Prskalo; Integralni pristup gospodarenja vodama Mostarskog blata; mentor: prof. dr. sc. Jure Margeta, rad obranjen 9.11.2001.
20. Lada Markota; Numerički model proračuna širina pukotina betonskih elemenata; mentor: prof. dr. sc. Jure Radnić, rad obranjen 12.6.2002.
21. Ivan Lovrić; Kapacitativna analiza raskrižja sa svjetlosnom signalizacijom; mentor: prof. dr. sc. Ivo Lozić, rad obranjen 15.10.2002.
22. Mirela Galić; Numerički trodimenzionalni model prednapetih betonskih konstrukcija; mentor: prof. dr. sc. Pavao Marović, rad obranjen 19.11.2002.
23. Goran Šunjić; Numerički model seizmičkog odgovora podvodnih konstrukcija; mentor: prof. dr. sc. Jure Radnić, rad obranjen 9.4.2003.
24. Toni Carević; Integralno gospodarenje vodoopskrbnim sustavima turističkih područja; mentor: prof. dr. sc. Jure Margeta, rad obranjen 15.4.2003.
25. Dragan Čubela; Numerička simulacija spregnutih konstrukcija; mentor: prof. dr. sc. Jure Radnić, rad obranjen 17.6.2003.
26. Ivana Fistanić; Upravljanje kakvoćom vode izvora Jadro; mentor: prof. dr. sc. Jure Margeta, rad obranjen 26.2.2004.
27. Vlaho Akmadžić; Numerički model prostornih rešetki po teoriji malih i velikih pomaka; mentor: prof. dr. sc. Ante Mihanović, rad obranjen 21.7.2004.
28. Deana Breški; Usporedba analitičkih i simulacijskih modela za analizu funkcioniranja semaforiziranih raskrižja; mentor: prof. dr. sc. Ivo Lozić, rad obranjen 27.10.2004.
29. Gordan Prskalo; Izbor lokacije za sanitarno odlagalište na području krša Hercegovine; mentor: prof. dr. sc. Jure Margeta, rad obranjen 14.4.2005.
30. Hrvoje Gotovac; Tečenje i pronos s promjenjivom gustoćom u vodonošnicima; mentor: prof. dr. sc. Roko Andričević, rad obranjen 16.5.2005.
31. Nikolina Živaljić; Veliki pomaci u numeričkoj zadaći nalaženja oblika konstrukcija od užadi; mentor: prof. dr. sc. Ante Mihanović, rad obranjen 12.1.2006.
32. Anita Erdelez; Optimalizacija sustava prikupljanja komunalnog otpada; mentor: prof. dr. sc. Jure Margeta, rad obranjen 17.2.2006.
33. Igor Ljubenkov; Numerički model uslojenog tečenja na ušću rijeke u more; mentor: prof. dr. sc. Mijo Vranješ, rad obranjen 13.3.2006.
34. Željko Rozić; Upravljanje urbanim vodnim sustavom primjenom objektno orijentiranog modeliranja; mentor: prof. dr. sc. Jure Margeta, rad obranjen 15.3.2006.
35. Tamara Plastić; Upravljanje eksploatacijom prirodnog kamena; mentorica: prof. dr. sc. Snježana Knezić, rad obranjen 19.7.2006.
36. Danijela Brzović; Doprinos numeričkom modeliranju dinamičkog međudjelovanja tekućine i konstrukcije; prof. dr. sc. Jure Radnić, rad obranjen 15.2.2008.
37. Zlatenko Čutuk; Procjena utjecaja cesta na okoliš s obzirom na ekološka obilježja; mentor: prof. dr. sc. Dušan Marušić, rad obranjen 28.7.2008.
38. Renata Madunić (Sesartić); Doprinos numeričkoj analizi zakrivljenih grednih nosača; mentorica: prof. dr. sc. Vedrana Kozulić, rad obranjen 22.7.2008.
39. Željko Pernat; Modeliranje valovanja zasnovano na rješavanju jednadžbe blagog nagiba; mentor: prof. dr. sc. Mijo Vranješ, rad obranjen 18.12.2008.
40. Zlatan Talić; Analiza utjecaja prirodnih naprezanja na rješenje inženjerske zadaće u stijenskoj masi; mentor: prof. dr. sc. Predrag Mišćević, rad obranjen 18.3.2009.
41. Elvis Žic; Analiza koeficijentata hrpavosti na primjeru korita Botonege u Istri; mentor: prof. dr. sc. Mijo Vranješ, rad obranjen 23.4.2009.
42. Zoran Prskalo; Indikatori održivog upravljanja slivom Neretve; mentor: prof. dr. sc. Jure Margeta, rad obranjen 27.7.2009.
43. Radoslav Markić; Doprinos numeričkom modeliranju ponašanja štapnih betonskih konstrukcija", prof. dr. sc. Jure Radnić, rad obranjen 11.12.2009.
44. Tatjana Džeba; Određivanje otjecanja u slivu rijeke Ričine, Suvaje i Matice; mentor: prof. dr. sc. Ognjen Bonacci, rad obranjen 18.3.2010.
45. Ivo Lukić; Utjecaj geološkog indeksa čvrstoće (GSI) na dobivanje željene fragmentacije miniranjem; mentor: prof. dr. sc. Predrag Mišćević, rad obranjen 21.12.2011.
46. Hata Bandić; Analiza primjene numeričkih modela za simulaciju pronosa zagađenja u vodotocima; mentor: prof. dr. sc. Roko Andričević, rad obranjen 18.5.2012.
47. Mirna Raić; Određivanje područja i intenziteta procjeđivanja u lijevom zaobalju brane hidroelektrane Mostar; mentor: prof. dr. sc. Roko Andričević, rad obranjen 2.7.2012.
48. Dženita Lončarević Gliha; Hidrološki režim Plitvičkih jezera; mentor: prof. dr. sc. Ognjen Bonacci, rad obranjen 9.7.2012.
49. Toma Durđov; Doprinos analizi ponašanja oštećenih betonskih konstrukcija izloženih eksploziji; mentor: prof. dr. sc. Pavao Marović, rad obranjen 11.7.2012.
50. Hrvoje Dobrić; Metode proračuna konstrukcija od armiranog tla; mentorica: prof. dr. sc. Tanja Roje-Bonacci, rad obranjen 17.4.2013.
51. Tihomir Štefić; Mogućnost primjene višeslojnih ploča od kompozitnih materijala kao nosivih konstrukcija u visokogradnji; mentor: prof. dr. sc. Pavao Marović, komentor: prof. dr. sc. Vladimir Sigmund, rad obranjen 10.7.2013.
52. Ljubo Kovač; Utjecaj miniranja na čvrstoću stijenske mase izražen preko GSI; mentor: prof. dr. sc. Predrag Mišćević, rad obranjen 1.7.2014.

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1979.	54. Hadžalić Senad	111. Bilić Vedrana	169. Ljubas Antonio
1. Borovina Berislav	55. Hajdić Vjekoslav	112. Bogdanović Božidar	170. Marasović Marin
2. Duplančić Nenad	56. Jakulica Ivica	113. Bušić Milan	171. Marinković Ines
3. Duvnjak Stanko	57. Juretić Andro	114. Čaljkusić Zlatko	172. Matić Branko
4. Fuštar Aljoša	58. Kardum Miro	115. Delić Sonja	173. Mihotić Tomislav
5. Gusić Rade	59. Kovačević Ivan	116. Durdov Toma	174. Mijić Marina
6. Jaramaz Branislav	60. Krstičević Ksenija	117. Gabela Marija	175. Mimica Dražan
7. Pavličević Lucija	61. Lugić Nedžad	118. Kovač Tonči	176. Mišćević Predrag
8. Penić Ante	62. Macanović Lada	119. Lasić Ines	177. Morović Goran
9. Subotić Radomir	63. Mazalin Davorka	120. Malenica Mate	178. Mustić Ratko
10. Štor Esma	64. Miloš Vedrana	121. Mardešić Nives	179. Musulin Nikša
11. Šušak Đurđica	65. Pavlović Deša	122. Marinović Goran	180. Novković Željko
12. Švonja Mirjana	66. Peović Rosanda	123. Maršić Tonči	181. Okula Branka
13. Tomić Milan	67. Ramljak Boris	124. Marušić Elica	182. Oršulić Ivan
	68. Reić Petar	125. Munjiza Ante	183. Ostojić Ivan
	69. Ricov Marijan	126. Nimac Boris	184. Papić Ivica
1980.	70. Sikirića Ivo	127. Pavlović Milan	185. Pavičić Luka
14. Baleta Fanita	71. Škorić Vesna	128. Pavlović Nataša	186. Peović Veljko
15. Barišić Petar	72. Šteger Zoran	129. Prelas Ivica	187. Petković Andriano
16. Barun Tadija	73. Šuljić Željka	130. Puljak Stjepan	188. Radonić Sanja
17. Batarelo Predrag	74. Terzić Jagoda	131. Roglić Ivan	189. Radošević Zvonimir
18. Benzon Zlata	75. Vilović Vedran	132. Šare Mirko	190. Ramljak Milan
19. Blažević Nela	76. Vukman Vedran	133. Šilović Nediljko	191. Relja Vanja
20. Lalić Rodoljub		134. Škobić Marinko	192. Roguljić Jadranko
21. Radman Božo		135. Tandara Nedjeljko	193. Runje Slaven
22. Samardžija Ivica	1983.	136. Tudor Mirko	194. Soče Jerko
23. Šimičić Petar	77. Babić Željko	137. Vesanović Vedran	195. Šegedin Maja
24. Vučić Dragan	78. Bajić Tončica	138. Visković Ranko	196. Tomašević Diana
25. Žic Krešimir	79. Bezmalinović Ivica	139. Vučenović Đuka	197. Vrcelj Milan
	80. Bezmalinović Radojka	140. Zambarlin Mercedes	
	81. Bikić Smiljana		
1981.	82. Bojanić Davor		
26. Alujević Žarko	83. Bojanić Ivo	1985.	
27. Barbarić Živko	84. Bučan Sanda	141. Alebić Siniša	
28. Bareza Vjekoslav	85. Bulović Božo	142. Aljinović Tonka	
29. Duhović Mirko	86. Čelar Gordana	143. Antišić Branka	
30. Kenk Goran	87. Dodig Vice	144. Baloević Jakov	
31. Kos Dorotea	88. Đula Zoran	145. Bilić Robi	
32. Kurtović Maja	89. Galić Ivan	146. Bilić Zdenko	
33. Racetin Mladen	90. Jovanović Vesna	147. Bošković Divna	
34. Radić Čedo	91. Kelava Jerko	148. Bovan Draženko	
35. Radomilović Jovan	92. Malešević Milan	149. Brzović Tihomir	
36. Raos Josip	93. Marčić Nenad	150. Bubić Ivica	
37. Roglić Sanja	94. Matešić Ante	151. Bulog Tomislav	
38. Vojković Teo	95. Mitrić Slobodan	152. Cvijetić Zoran	
39. Zavoreo Ranka	96. Novaković Lada	153. Čarija Ivan	
40. Zlatar Leo	97. Ostojić Fani	154. Čortan Gordana	
	98. Parežanin Snježana	155. Čutura Jure	
1982.	99. Pažin Vida	156. Despot Goran	
41. Bartulović Dalibor	100. Pivić Zdenko	157. Erceg Joško	
42. Bašić Ante	101. Prkić Jakov	158. Gligo Zlatko	
43. Bašić Berislav	102. Pupovac Jadranka	159. Gušavac Snježana	
44. Bašić Vedrana	103. Rajić Marko	160. Haklička Dražen	
45. Blagačić Sanja	104. Staničić Lada	161. Janković Ante	
46. Bucat Mario	105. Subotić Branislav	162. Jović Siniša	
47. Budimir Mirko	106. Šataro Ivo	163. Katalinić Elis	
48. Čokarić Špiro	107. Ščerbe Tatjana	164. Kiridžija Damir	
49. Čapalija Božidar	108. Vujanović Svetozar	165. Kordić Tonko	
50. Čatipović Nenad	109. Vuković Silvana	166. Krstanović Anto	
51. Čutuk Zlatenko	1984.	167. Kuzmić Dario	
52. Dorotić Veljanko	110. Bekčić Ljiljana	168. Lemaić Dijana	
53. Džaja Mate			

227. Mimica Neno  
228. Olujić Slavica  
229. Orlandini Ervin  
230. Panžić Ljubomir  
231. Perković Joana  
232. Perković Zdenko  
233. Prelec Franc  
234. Radić Elko  
235. Restović Ivica  
236. Runjić Ante  
237. Ružić Joško  
238. Škomrlj Maja  
239. Tenžera Zlatko  
240. Treursić Tonči  
241. Viđak Ivica  
242. Vučica Mirjana  
243. Vukoja Irena  
244. Vukov Jelena  
245. Zujčić Adela  
246. Žura Josip

1987.

247. Antonini Lađan  
248. Babić Branko  
249. Baković Vesna  
250. Barać Silvana  
251. Barbarić Silvija  
252. Belamarić Zasminka  
253. Bezić Mirko  
254. Brkić Borislav  
255. Cvitić Margita  
256. Čulić Damir  
257. Dobnikar Ivana  
258. Dodig Zoran  
259. Dvornik Zdenko  
260. Erceg Dijana  
261. Galov Gordana  
262. Gamulin Dobrila  
263. Gladović Đorđe  
264. Jelović Jasna  
265. Juras Đoni  
266. Kero Zoran  
267. Kolumbić Ivica  
268. Kosor Mateo  
269. Krolo Josip  
270. Krstičević Željko  
271. Kuzmanović Goranka  
272. Lukić Duško  
273. Majčić Mirko  
274. Marin Meri  
275. Marinović Snježana  
276. Nikolin Snežana  
277. Novačić Željko  
278. Obšivač Zoran  
279. Orlandini Rosana  
280. Palaversa Lucijana  
281. Pervan Goran  
282. Plavljanić Đuka  
283. Radevenjić Marijo  
284. Rajić Jadranka  
285. Rako Silva  
286. Smoljo Marija  
287. Stošić Snježana  
288. Šaban Nikolina  
289. Šimičić Ivo  
290. Tešija Željko  
291. Vlaić Zvezdana  
292. Vujasinović Željka  
293. Vuković Remi  
294. Zavoreo Toni  
295. Zelić Marijana  
296. Žanić Anton

1988.  
297. Abdulmar Doro  
298. Bilan Antoinete  
299. Bjelanović Mirjana  
300. Borović Tajana  
301. Buljević Ivo  
302. Čaleta Darko  
303. Dešković Nikola  
304. Fio Albina  
305. Krolo Siniša  
306. Martić Jadranka  
307. Medak Goran  
308. Miličević Marinko  
309. Miličić Dražen  
310. Ninković Gordana  
311. Pavić Goran  
312. Penović Leo  
313. Perić Ivica  
314. Perišin Vanja  
315. Petrić Davor  
316. Prelec Sandra  
317. Radović Damir  
318. Ramljak Zdravka  
319. Relja Filip  
320. Rodin Zdravko  
321. Sarajlić Edin  
322. Schönauer Miroslav  
323. Šeparović Ante  
324. Šimunda Gordana  
325. Šimunović Srđan  
326. Trninić Snežana  
327. Tucak Branko  
328. Veršić Eda  
329. Vukušić Dušanka  
330. Vusić Marina  
331. Zubanović Branko

1989.

332. Barać Borjana  
333. Bavčević Marina  
334. Bočina Nenad  
335. Borovčić-Kurir Neven  
336. Brčić Mladenka  
337. Bubalo Ljiljana  
338. Delić Nela  
339. Gašpar Joško  
340. Grubišić Dujo  
341. Jakelić Zoran  
342. Jakovčević Miroslav  
343. Jelavić-Šako Vesna  
344. Kašić Slobodan  
345. Kozulić Vedrana  
346. Krnić Melita  
347. Lašić Srđan  
348. Lukšić Dražen  
349. Marketić Vedran  
350. Matijević Neven  
351. Meter Ružica  
352. Naranča Katija  
353. Ordulj Damir  
354. Paušić Tonči  
355. Perko Neven  
356. Pučo Ivan  
357. Radmilović Tonči  
358. Ruščić Zdravko  
359. Samardžić Marija  
360. Stupalo Miroslav  
361. Šormaz Vesna  
362. Ursić Marita  
363. Vuković Marija

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364. Andabaka Biljana

365. Babić Valerija  
366. Batarelo Jasminka  
367. Berleghi Dijana  
368. Blažević Ante  
369. Bošković Marija  
370. Bučan Mirjana  
371. Burazin Igor  
372. Dlaka Marko  
373. Didara Mario  
374. Ercegović Sanja  
375. Janković Igor  
376. Kovačić Ivo  
377. Ledić Antonela  
378. Lončar Nediljko  
379. Lukšić Anita  
380. Madunić Frano  
381. Mamić Jozo  
382. Matijaš Nediljko  
383. Matošić Gorana  
384. Miljević Rajko  
385. Munivrana Sanja  
386. Prcela Josip  
387. Prelec Nataša  
388. Prnjak Eugen  
389. Rožić Zlatko  
390. Škare Tomislav  
391. Šurjak Marina  
392. Tente Saša  
393. Vakante Mihovil  
394. Vargović Davor

1991.

395. Babić Toni  
396. Bendiš Marija  
397. Cvitanić Dražen  
398. Denić Vesna  
399. Erceg Jadranka  
400. Harapin Alen  
401. Jukić Damir  
402. Kalinić Enija  
403. Kulić Darko  
404. Marušić Božidar  
405. Mehović Zahir  
406. Nikić Saša  
407. Pavlov Davor  
408. Prskalo Jurica  
409. Sekula Mirko  
410. Šestanović Tatjana  
411. Štambuk Nataša  
412. Tomašić Vinko  
413. Tonković Branko  
414. Vekarić Ivana  
415. Viđak Boris  
416. Ždero Ivo

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417. Bakotin Ana  
418. Bakula Željka  
419. Božan Siniša  
420. Carević Toni  
421. Domljanović Mario  
422. Fagarazzi Igor  
423. Jonić Dalibor  
424. Karajlović Jagoda  
425. Paškov Deana  
426. Radovniković Igor  
427. Rimac Milivoj  
428. Stegić Ines  
429. Tončić Ivana  
430. Vojnović Jurica  
431. Zelić Ivica

1993.

432. Bilas Suzana  
433. Bogdanović Slobodan  
434. Marić-Drvoličanin Tonči  
435. Gusić Goran  
436. Kesovija Miho  
437. Kokeza Jasminka  
438. Kurir Ranko  
439. Njegovan Igor  
440. Klarić Nataša  
441. Kuzmanić Vedrana  
442. Livaja Lidija  
443. Mimica Mijo  
444. Paradžik Damir  
445. Piacun Igor  
446. Ružić Sandra  
447. Stojić Natalia  
448. Stričević Mandalina  
449. Šarić Željko  
450. Veselinović Igor  
451. Žuljević Renata

1994.

452. Boban Boris  
453. Bojčić Ivica  
454. Cvitković Veljko  
455. Kapov Vedrana  
456. Karamatić Ivo  
457. Ković Franc  
458. Marendić Tatjana  
459. Mateić Sanja  
460. Prlenda Miho  
461. Reljanović Željko  
462. Sinovčić-Jović Ivna  
463. Vatavuk Pero  
464. Zujčić Romana

1995.

465. Bebić Željan  
466. Botić Zoran  
467. Garić Dijana  
468. Kristić Stipe  
469. Mimica Zvončica  
470. Orošnjak Vedrana  
471. Petrić Sanda  
472. Petričić Mila  
473. Rako Ivo  
474. Trogrlić Boris  
475. Zaratin Zorana

1996.

476. Britvić Krešimir  
477. Ferić Kajo  
478. Franović Nenad  
479. Grizelj Vesna  
480. Krišto Tadija  
481. Martić Primož  
482. Ugrina Damića  
483. Uvodić Nenad  
484. Žolo Jakica

1997.

485. Bašić Lada  
486. Bilač Petar  
487. Budimir Ivica  
488. Buljević Larisa  
489. Čelan Joško  
490. Čorić Branimir  
491. Dabro Danijela  
492. Gulić Stipe  
493. Juradin Tonči  
494. Karković Mirela  
495. Krnić Srđan  
496. Marinović Ivana



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1. Babić Marijan	59. Lovrović Iva	117. Dragić Paula	177. Vukoje Sandra
2. Ban Maja	60. Lovrović Marko	118. Dretvić - Halbarth Andrea	178. Vukušić Josipa
3. Bečić Ivna	61. Maljković Goran	119. Gambiraža Antonia	179. Vuleta Ivana
4. Bezmalinović Hrvoje	62. Mandić Ivana	120. Grljušić Rudolf	180. Zadro Nikola
5. Bikić Ivana	63. Martić Antonio	121. Gudelj Ante	181. Žarković Marko
6. Bošnjak Jelena	64. Matijašević Tonći	122. Havlović Anna	182. Zekan Josip
7. Buzov Ante	65. Mihaljević Ivana	123. Horvat Stefan	183. Žulj Ines
8. Čaleta Alen	66. Mihaljević Marko	124. Ivačić Marko	
9. Čorić Tomislava	67. Mikuličić Ljubo	125. Ivanišević Matko	2013.
10. Dujić Goran	68. Mikulić Kristina	126. Janković Andrej	184. Ančić Ana
11. Ercegović Katarina	69. Milić Ivo	127. Jelinčić Dijana	185. Balić Hrvoje
12. Garmaz Joško	70. Miloš Božena	128. Jurina Klauđija	186. Brajković Antonijo
13. Ivandić Ivan	71. Nikolić Mijo	129. Karamatić Ivona	187. Budimir Maja
14. Jeličić Siniša	72. Nimac Ivana	130. Kekez Toni	188. Budiša Marijana
15. Jerčić Antonia	73. Pelja Ojdana	131. Kojić Marina	189. Buklijaš - Kobojević Domagoj
16. Jurišić Josip	74. Pešić Marko	132. Kokan Ivna	190. Burilović Darko
17. Lisičić Tomislav	75. Pijuk Ante	133. Kotromanović Jelena	191. Čarija Josip
18. Lovrić Tomislav	76. Pivačić Jadran	134. Kozčić Krešimir	192. Čosić Ana
19. Matić Irena	77. Pranić Ante	135. Kršinić Željko	193. Čule Ante
20. Matulović Nikola	78. Romić Pere	136. Kuliš Ana - Marija	194. Domazet Antun
21. Medić Marina	79. Ružić Damir	137. Lendić Marina	195. Došenović Silvi
22. Mihanović Petar	80. Smolić Ana	138. Lichwa Ines	196. Dragičević Jerko
23. Mijatović Tomislav	81. Strunje Dražen	139. Lipovac Marjan	197. Dražić Suzana
24. Novaković Božena	82. Stubičar Emanuel	140. Ljubičić Mara	198. Džaja Ivan
25. Papić Miro	83. Škugor Ćiril	141. Majić Željka	199. Dželalija Ante
26. Pavičić Marijana	84. Špika Vesna	142. Mandić Monika	200. Fabris Marija
27. Radić Anton	85. Šušić Marija	143. Marčinko Ivana	201. Glavinić Marko
28. Radoslavić Antonia	86. Taslak Marko	144. Maršić Ante	202. Grizelj Jozo
29. Rubić Teo	87. Tomić Silvio	145. Meter Ante	203. Iveljić Ivona
30. Sardelić Marko	88. Ugrina Kristina	146. Mijić Anđela	204. Jolić Vanesa
31. Stojić Mira	89. Valenta Anita	147. Miletić Ivana	205. Jović Marija
32. Sunara Marina	90. Varenina Anna	148. Milin Marin	206. Kajan Aner
33. Suton Damir	91. Žderić Neda	149. Nanjara Marko	207. Kegalj Vice
34. Todorovski Srđan		150. Nazlić Ivan	208. Kevilj Martin
35. Tolo Tin	2012.	151. Nižetić Mirko	209. Klarić Ivana
36. Vuko Marín	92. Abram Marko	152. Pavela Hrvoje	210. Knezović Nevenka
37. Vukoja Marina	93. Ajduk Ante	153. Perišić Margita	211. Kodžoman Tino
38. Živković Krste	94. Altavilla Marina	154. Petrušić Antonio	212. Koljanin Marija
	95. Anić Gradina Ivan	155. Pirić Ante	213. Korđa Nikša
2011.	96. Argentin Marina	156. Plenković Marija	214. Kosor Duje
39. Babić Andrea	97. Banović Josipa	157. Pleština Ivana	215. Kurbaša Josipa
40. Batinić Milko	98. Baričević Ivan	158. Prcela Marija	216. Lipotić Ivna
41. Bogdanović Jerko	99. Bartulović Antonija	159. Puljić Josip	217. Lipovac Toni
42. Bonacin Nera	100. Bartulović Ivan	160. Pupovac Saša	218. Lukin Marko
43. Colić Matilda	101. Bašić Ante	161. Ricov Ana	219. Majić Ivan
44. Čarija Jadran	102. Bašić Matea	162. Rogulj Katarina	220. Majstrovic Nikola
45. Ćuklin Antonija	103. Bezina Nataša	163. Romić Tajana	221. Maleš Ante
46. Ćurković Goran	104. Bikić Filip	164. Runjić Luka	222. Marinović Danira
47. Delić Tomislav	105. Bilić Andro	165. Runjić Vlatka	223. Nižić Zvonimir
48. Džapo Kata	106. Biuk Nataša	166. Sinanović Anka	224. Obradović Linda
49. Đepina Ivan	107. Blažević Marijana	167. Sunko Marko	225. Periša Tomislav
50. Galešić Morena	108. Brajković Mihaela	168. Šafranko Antonio	226. Perković Sonja
51. Glasinović Anabela	109. Buljat Irena	169. Šakić Trogrlić Robert	227. Petric Marko
52. Jakšić Matea	110. Butigan Nikola	170. Šarić Goran	228. Prljević Ivan
53. Jazvo Jelena	111. Čabo Marko	171. Šimat Dejan	229. Proso Ante
54. Jurac Tome	112. Čerdić Ivan	172. Šimunović Sanda	230. Radić Andrej
55. Juras Tea	113. Čičak Ivan	173. Turudić Ana	231. Ramljak Ivana
56. Karačić Ilka	114. Čuvalo Žarko	174. Uložnik Dragana	232. Reljanović Robert
57. Lipovac Jurica	115. Đanović Damjan	175. Vlajić Dražan	

233. Rinčić Barišić Ana  
234. Rogošić Ognjen  
235. Rosan Dario  
236. Slišković Tomislav  
237. Srhoj Matea  
238. Surac Josip  
239. Širić Vesna  
240. Škaričić Hrvoje  
241. Tomić Marin  
242. Trogrlić Ana  
243. Turudić Marica  
244. Viđak Fabjan  
245. Vrsalović Monika  
246. Vujčić Miroslav  
247. Vulčić Nikola  
248. Zec Stipe  
249. Zekić Maja  
250. Žaja Ivica

2014.  
251. Alajbeg Sanja  
252. Alduk Marina  
253. Babarović Jakov  
254. Babić Klara  
255. Bagić Nikola  
256. Banović Ivan  
257. Banović Mladen  
258. Barac Petar  
259. Barić Milica  
260. Bašić Zvonimir  
261. Brešković Marijo  
262. Brkić Maja  
263. Budimir Josipa  
264. Cvitković Ana  
265. Čapeta Ivica  
266. Ćurić Frano  
267. Ćurlin Sara  
268. Ćurkov Ivana  
269. Drnas Petar  
270. Duvnjak Marijan  
271. Erceg Olgica  
272. Franchini Marin  
273. Grbeša Katarina  
274. Jakaša Izabela  
275. Jakulica Andro  
276. Jerčić Joško  
277. Jezidžić Andrej  
278. Jukić Jelena  
279. Jurčić Marin  
280. Kamber Grgo  
281. Karabatić Karmen  
282. Kardum Domagoj  
283. Kelava Ante  
284. Kesić Marin  
285. Klarić Drago  
286. Klarić Nenad  
287. Kozina Filip  
288. Krajnović Ivan  
289. Kulušić Marijeta  
290. Kurtin Kasia  
291. Labetić Josip Bepo  
292. Lasić Mateo  
293. Lovrić Ina  
294. Lovrić Martina  
295. Ljubas Martin  
296. Ljubas Tihana  
297. Ljubičić Ilona  
298. Ljubičić Mladen  
299. Malenica Luka  
300. Maretić Jure  
301. Marić Dejan  
302. Marin Ante  
303. Marinović Danijel

304. Maršić Joško  
305. Mimica Marko  
306. Mošić Vedran  
307. Nešović Maja  
308. Ninčević Krešimir  
309. Orlandini Ivo  
310. Padovan Marko  
311. Pastuović Ana  
312. Pavlović Josip  
313. Perić Božo  
314. Perić Danijel  
315. Perišić Nikolina  
316. Petrić Franko  
317. Pletikosić Andrea  
318. Podrug Ivana  
319. Popović Ivan  
320. Pušić Josip  
321. Putnik Gabrijela  
322. Rakić Nikolina  
323. Rogoznica Suzy  
324. Rubić Jelena  
325. Serdarević Mate  
326. Smolić Marija  
327. Stipičić Irena  
328. Sunara Ivana  
329. Šoše Josip  
330. Šošić Ivana  
331. Takus Marina  
332. Tokić Ana  
333. Topić Dina  
334. Tudor Bruno  
335. Vitić Anita  
336. Vladić Mirela  
337. Vrančić Jure  
338. Vučemilović - Šimunović Ante  
339. Vučković Lucia - Mirjam  
340. Vukosav Ivo  
341. Zekić Marijan  
342. Znaor Ivana  
343. Znaor Jela  
344. Zorić Doris  
345. Zubčić Martina  
346. Zubović Emili  
347. Žaja Ivan  
348. Župa Tomislav  
349. Žužul Ante

2015.  
350. Alagić Antonija  
351. Babić Alemka  
352. Babić Marino  
353. Baćak Josip  
354. Bagarić Ivan  
355. Barbarus Petra  
356. Barišić Marin  
357. Bauk Filip  
358. Berković Mario  
359. Bešker Toni  
360. Bilandžić Anita  
361. Bilić Jelena  
362. Bušić Josip  
363. Čapeta Petra  
364. Ćesić Jakov  
365. Ćurlin Petar  
366. Ćupić Marko  
367. Deković Jure  
368. Domazet Monika  
369. Dragobratović Zorana  
370. Dumanić Daniela  
371. Đerek Andrea  
372. Gabrić Ivan  
373. Galijot Ante

374. Glibić Antonio  
375. Gojanović Goran  
376. Goreta Marko  
377. Grahovac Sanja  
378. Jakšić Lučana  
379. Jažić Marijan  
380. Jelaš Lea  
381. Jelavić Frane  
382. Jelavić Šako Antonio  
383. Jokić Anto Bojan  
384. Jukić Marin  
385. Kalaica Vedran  
386. Kelam Ivan  
387. Kirigin Vanja  
388. Knežević Ante  
389. Krećak Matko  
390. Kusanović Lucijana  
391. Lapić Matija  
392. Lizatović Ivica  
393. Lovrić Ana  
394. Lukić Petar  
395. Malbaša Zvonimir  
396. Malec Tomislav  
397. Martinić - Perme Juro  
398. Matić Tomislav  
399. Mrkonjić Ana  
400. Nazor Marko  
401. Planjanin Damira  
402. Poljak Jurica  
403. Radanović Ivan  
404. Radelja Ivona  
405. Radišić Marija  
406. Radović Tomislav  
407. Ravlić Ivan  
408. Ručević Mario  
409. Šarić Gorana  
410. Šentija Bože  
411. Taraš Luka  
412. Tente Tomislav  
413. Tomić Igor  
414. Tukić Jelena  
415. Visković Marina  
416. Vlašić Kristina  
417. Vojnović Ivan  
418. Vranješ Lidia Karla  
419. Vrcan Goran  
420. Vrljić Stipe  
421. Vujeva Ivan  
422. Vukadin Jozo  
423. Vuletić Matko

2016.  
424. Akmadžić Marinela  
425. Babić Anita  
426. Barić Marija  
427. Barišić Zvonimir  
428. Bilanžić Marko  
429. Botić Hrvoje  
430. Brnas Ivan  
431. Carić Ana  
432. Crnogorac Luka  
433. Čiča Robert  
434. Ćuljak Ante  
435. Doljanin Bruno  
436. Domić Gordana  
437. Dražić Marita  
438. Duhović Paolo Marin  
439. Dujčić Ante  
440. Dujčić Danica  
441. Đipalo Zvonimir  
442. Filipović Antonio  
443. Gabrić Ivan  
444. Gabrić Jelena

445. Glavinić Toni  
446. Gotovac Ana  
447. Grozdanić Gabrijela  
448. Ivić Anita  
449. Jadrčić Jelena  
450. Jukić Antonijo  
451. Kalajžić Vinko  
452. Kezić Duje  
453. Knezović Patricia  
454. Kuzdž Ana  
455. Kusić Jakov  
456. Lovrić Mislav  
457. Lubina Mirjana  
458. Lučin Ivan  
459. Ljubičić Kristijan  
460. Madžar Bojana  
461. Marasović Irena  
462. Mateljan Ivan  
463. Matic Iva  
464. Matijašević Ljubica  
465. Mikulić Ivan  
466. Mikuličić Petra  
467. Milin Andrija  
468. Modrić Ivana  
469. Mudrinić Maja  
470. Ostojić Maja  
471. Pavlič Marina  
472. Peko Josip  
473. Penić Hrvoje  
474. Radmilo Ivan  
475. Raić Ana  
476. Raos Jakov  
477. Sikimić Goran  
478. Strinić Rajna  
479. Sučić Ante  
480. Šarić Cvita  
481. Šerić Frane  
482. Šimić Franjo  
483. Trajković Ivana  
484. Vranjičić Dinko  
485. Vukušić Dino  
486. Vuletić Ivana  
487. Zemunik Alen

2017.  
488. Barić Katarina  
489. Bartulović Ivan  
490. Blagaić Toni  
491. Bosnić Julija  
492. Bošnjak Ivan  
493. Bušić Davor  
494. Ćurković Ana  
495. Čaljkušić Ivana  
496. Čondić Bijader Josip  
497. Didović Viljan  
498. Erak Andrea  
499. Faldić Tonko  
500. Galić Igor  
501. Gizdić Lea  
502. Glibo Nikolina  
503. Grgat Ana  
504. Gulin Matko  
505. Jadrčić Tamara  
506. Jović Augustin  
507. Jukić Mario  
508. Jurić Anita  
509. Jurić Josip  
510. Klarić Dolores  
511. Kojundžić Ivan  
512. Kokan Toni  
513. Luetić Ivana  
514. Maleš Petra  
515. Mandušić Marko

516. Maretić Mario  
517. Metličić Ivan  
518. Mijić Ivan  
519. Mršić - Božinović Frane  
520. Mušura Toni  
521. Petričević Ante  
522. Popović Kristina  
523. Primorac Josipa  
524. Prolić Marina  
525. Putić Ivana  
526. Radevenjić Bruno  
527. Radoš Frano  
528. Stepić Antun  
529. Šilović Jurica  
530. Tonković Slavko  
531. Turčinov Lucija  
532. Zekan Jure

2018.  
533. Balić Ivan  
534. Barada Karmela  
535. Barnjak Monika  
536. Bartulović Tomislav  
537. Bilonić Grga  
538. Brajković Ante  
539. Budimir Ana Ružica  
540. Bukurov Luka  
541. Čaleta Ante  
542. Čondić Bjader Marijo  
543. Čubelić Morena  
544. Doljanin Duje  
545. Džaja Marko  
546. Genjac Hana  
547. Jakšić Ela  
548. Jukić Antonija  
549. Kojan Pero  
550. Kolarec Barbara  
551. Kovačušić Ana  
552. Latinčić Ana  
553. Markežić Domagoj  
554. Matan Marin  
555. Matić Slavica  
556. Morić Nikola  
557. Pipunić Ema  
558. Sikirić Benjamin  
559. Slatina Ivona  
560. Stanić Filomena  
561. Strunje Ante  
562. Svalina Antonio  
563. Šabić Anela  
564. Šeparović Sara  
565. Šitum Barbara  
566. Šoljić Mirena  
567. Tepić Ante  
568. Tokić Marko  
569. Vučko Hrvoje  
570. Žarković Ivan  
571. Žužul Josip

2019.  
572. Abaza Ante  
573. Baleta Marijan  
574. Barić Katarina  
575. Baričević Ivan  
576. Batinić Luka  
577. Boban Zvonimir  
578. Bogdanović Jelena  
579. Borozan Ivana  
580. Brnas Anamaria  
581. Budanko Tihana  
582. Bulić Loris  
583. Buljac Ružica  
584. Buva Ivana

585. Čapin Domagoj  
586. Česić Iva  
587. Čosić Monika  
588. Čubelić Ivana  
589. Čulić Nikolina  
590. Dadić Ana  
591. Dovranić Krešimir  
592. Duvnjak Filip  
593. Galić Antonio  
594. Glibota Ante  
595. Hrzić Tin  
596. Jelavić Šako Nikola  
597. Jukić Martina  
598. Jukić Petar  
599. Karačić Hrvoje  
600. Karlo Ante  
601. Karlušić Marijo  
602. Kekez Josipa  
603. Klarić Ante  
604. Križanović Juro  
605. Livaja Ivan  
606. Lovrić Marina  
607. Lušić Dafne Dea  
608. Maloča Petar  
609. Marelić Alberto  
610. Mošić Ivan  
611. Mrdelja Antonio  
612. Mustapić Ante  
613. Peović Josip  
614. Plenković Romeo  
615. Pletikosić Fanito  
616. Radnić Petra  
617. Rimac Vedran  
618. Romić Ana  
619. Šimić Petra  
620. Tešija Ivan  
621. Trogrlić Katarina  
622. Ugrin Tomislav  
623. Vrsalović Adrijana  
624. Vukojević Iva  
625. Vuletić Marija

2020.  
626. Babić Alen  
627. Babić Simona  
628. Baotić Marijana  
629. Bašković Jure  
630. Bečić Dalibor  
631. Beretin Marko  
632. Blažević Mia  
633. Bužić Leon  
634. Čubić Marija  
635. Džakulić Šime  
636. Džale Vesna  
637. Fran Katarina  
638. Galac Antonio  
639. Galić Marko  
640. Glavinić Marija  
641. Grubišić Ivan  
642. Jukić Marin  
643. Jurić Marija  
644. Kalcina Marin  
645. Kažimir Renata  
646. Kokeza Tomislav  
647. Kordić Nino  
648. Kovačević Mirna  
649. Kraljević Nikica  
650. Musulin Anja  
651. Nikolac Antun  
652. Omazić Filip  
653. Pavić Branimir  
654. Pavić Duje  
655. Perić Antonio

656. Pleić Filip  
657. Plosnić Lucija  
658. Poljak Dijana  
659. Puljiz Matija  
660. Radačić Antonia  
661. Radanović Sanja  
662. Radoš Dražen  
663. Režić Ivana  
664. Ribarović Ema  
665. Rodin Marko  
666. Rudeš Mate  
667. Rušinović Ivana  
668. Ružević Antonio  
669. Samardžić Marijana  
670. Sladojević Dino  
671. Šabić Iva  
672. Škarica Domagoj  
673. Tokić Matko  
674. Tomasović Šimun  
675. Vukas Nikola  
676. Zelić Vesna  
677. Župa Hana  
678. Žuvela Lidija

2021.  
679. Babić Marija  
680. Baković Mijo  
681. Bandić Jerko  
682. Barišić Katarina  
683. Bartulović Dinko  
684. Bilobrč Zdravka  
685. Bralić Antonio  
686. Brešan Tomislava  
687. Cakalin Iva  
688. Čavar Marin  
689. Čirjak Ante  
690. Čondić - Galiničić Zvonimir Nediljko  
691. Čota Melina  
692. Čović Petar  
693. Crnković Ivana  
694. Duvnjak Stipe  
695. Galić Matea  
696. Jakovčević Mislav  
697. Jurić Josipa  
698. Juroš Anamarija  
699. Kokić Ema  
700. Kunac Ivona  
701. Lazarušić Tina  
702. Lugjić Marin  
703. Lugović Bruno  
704. Malenica Matea  
705. Matas Ivan  
706. Matulić Ivan  
707. Milan Duje  
708. Miošić Maja  
709. Morović Nikolina  
710. Musinov Toni  
711. Odrlić Nikola  
712. Ožinger Luka  
713. Pavić Mario  
714. Pavlović Mihaela  
715. Petreković-Dvorščak Karmen

716. Radić Tomislav  
717. Raić Ivana  
718. Raos Mia  
719. Relota Marija  
720. Rogošić Ela  
721. Rubeša Lucia  
722. Šalinović Matea  
723. Šipić Suzana  
724. Šodan Matej

725. Stričević Antonija  
726. Šupe Katarina  
727. Teklić Mia  
728. Torbarina Ivan  
729. Trgo Josip  
730. Vrkić Josip  
731. Vukadin Ana

## SVEUČILIŠNI PREDDIPLOMSKI STUDIJ GRAĐEVINARSTVO (BOLOGNA) - PRVOSTUPNICI (BACCALAUREUS) INŽENJERI/PRVOSTUPNICE (BACCALAUREA) INŽENJERKE GRAĐEVINARSTVA (UNIV. BACC. ING. AEDIF.) / UNDERGRADUATE UNIVERSITY STUDY PROGRAM IN CIVIL ENGINEERING - BACHELOR OF SCIENCE IN CIVIL ENGINEERING (B.SC.CE.\*)

2008.  
1. Babić Marijan  
2. Ban Maja  
3. Bečić Ivna  
4. Bikić Ivana  
5. Bošnjak Jelena  
6. Buzov Ante  
7. Čorić Tomislava  
8. Dujčić Goran  
9. Ercegovac Katarina  
10. Ivandić Ivan  
11. Jerčić Antonia  
12. Keža Stana  
13. Lovrić Tomislav  
14. Matić Irena  
15. Matulović Nikola  
16. Medić Marina  
17. Mihanović Petar  
18. Novaković Božena  
19. Papić Miro  
20. Pavičić Marijana  
21. Radoslavić Antonia  
22. Stojić Mira  
23. Sunara Marina  
24. Tolo Tin  
25. Vukoja Marina

2009.  
26. Ajduk Ante  
27. Altavilla Marina  
28. Babić Andrea  
29. Baričević Ivan  
30. Batinić Milko  
31. Bogdanović Jerko  
32. Bonacin Nera  
33. Buljat Irena  
34. Colić Matilda  
35. Čarija Jadran  
36. Čuklin Antonija  
37. Dretvić-Halbarth Andrea  
38. Džapo Kata  
39. Đepina Ivan  
40. Galešić Morena  
41. Glasinović Anabela  
42. Grijušić Rudolf  
43. Ivačić Marko  
44. Jakšić Matea  
45. Jazvo Jelena  
46. Jelinčić Džana  
47. Jurac Tome  
48. Juras Tea  
49. Karačić Ilka  
50. Kokan Ivna  
51. Kuliš Ana-Marija  
52. Lichwa Ines  
53. Lovrinović Ivan  
54. Lovrović Iva  
55. Mandić Ivana  
56. Martić Antonio

57. Matijašević Tonći  
58. Mihaljević Ivana  
59. Mihaljević Marko  
60. Mikuličić Ljubo  
61. Mikulić Kristina  
62. Milić Ivo  
63. Miloš Božena  
64. Nikolić Mijo  
65. Nimac Ivana  
66. Pelja Ojdana  
67. Perković Marko  
68. Pešić Marko  
69. Pijuk Ante  
70. Pivačić Jadran  
71. Pranić Ante  
72. Rajković Mihaela  
73. Romić Pere  
74. Runjić Vlatka  
75. Ružić Damir  
76. Smolić Ana  
77. Strunje Dražen  
78. Stubičar Emanuel  
79. Šafranko Antonio  
80. Šakić Robert  
81. Šarić Goran  
82. Špika Vesna  
83. Šušić Marija  
84. Taslak Marko  
85. Tomić Silvio  
86. Ugrina Kristina  
87. Valenta Anita  
88. Varenina Anna  
89. Vujasinović Ana  
90. Vukušić Josipa  
91. Žderić Neda

2010.  
92. Abram Marko  
93. Banović Josipa  
94. Bartulović Antonija  
95. Bartulović Ivan  
96. Bašić Ante  
97. Bašić Matea  
98. Bezina Nataša  
99. Bikić Filip  
100. Bilić Andro  
101. Biuk Nataša  
102. Blažević Marijana  
103. Budimir Maja  
104. Buklijaš-Kobojević Domagoj  
105. Butigan Nikola  
106. Čabo Marko  
107. Čović Antonia  
108. Čule Antea  
109. Čurkov Ivana  
110. Čerdić Ivan  
111. Čosić Ana  
112. Došenović Silvi  
113. Dragić Paula

114. Dražić Suzana  
115. Đevoić Mario  
116. Fabris Marija  
117. Gambiraža Antonia  
118. Grizelj Jozo  
119. Gudelj Ante  
120. Havlović Anna  
121. Ivanišević Matko  
122. Iveljić Ivona  
123. Janković Andrej  
124. Jurina Klaudija  
125. Karamatić Ivona  
126. Kekez Toni  
127. Klarić Ivana  
128. Klepo Ivan  
129. Kodžoman Tino  
130. Kojić Marina  
131. Kosor Duje  
132. Kotromanović Jelena  
133. Ković Valentina  
134. Kozjić Krešimir  
135. Kozulić Sanja  
136. Kršinić Željko  
137. Lendić Marina  
138. Lovrić Ina  
139. Ljubičić Mara  
140. Majić Željka  
141. Mandić Monika  
142. Maršić Ante  
143. Meter Ante  
144. Mijić Anđela  
145. Miletić Ivana  
146. Milin Marin  
147. Mioč Ana  
148. Muftić Una  
149. Nanjara Marko  
150. Nazlić Ivan  
151. Nižetić Mirko  
152. Pavela Hrvoje  
153. Perišić Margita  
154. Petrušić Antonio  
155. Pirić Ante  
156. Plenković Marija  
157. Pleština Ivana  
158. Prcela Marija  
159. Puljić Josip  
160. Pupovac Saša  
161. Ricov Ana  
162. Rogošić Ognjen  
163. Rogulj Katarina  
164. Romić Tajana  
165. Rosan Dario  
166. Runjić Luka  
167. Sinanović Anka  
168. Stijelja Ana  
169. Sunko Marko  
170. Šimat Dejan  
171. Šimović Mario  
172. Šimundić Antonia

173. Šimunović Sanda  
174. Širić Vesna  
175. Tomaš Jurica  
176. Trogrlić Ana  
177. Turudić Ana  
178. Uložnik Dragana  
179. Vidović Dino  
180. Vljajić Dražan  
181. Vučić Martina  
182. Vukoje Sandra  
183. Vuković Sanja  
184. Vuleta Ivana  
185. Zadro Nikola  
186. Zdiljar Ante  
187. Zec Stipe  
188. Zekan Josip  
189. Zekić Maja  
190. Žulj Ines

2011.  
191. Ančić Ana  
192. Balić Hrvoje  
193. Bolanča Marina  
194. Budiša Marijana  
195. Burić Darko  
196. Crnjac Marina  
197. Čarija Josip  
198. Čurić Frano  
199. Dodoja Ana  
200. Domazet Antun  
201. Dragičević Jerko  
202. Džapo Dina  
203. Dželalija Ante  
204. Glavinić Marko  
205. Jakaša Izabela  
206. Jerčić Joško  
207. Jezidžić Andrej  
208. Jolić Vanesa  
209. Jović Marija  
210. Jukić Iva  
211. Jurčić Ivan  
212. Katić Mirjana  
213. Plenković Marija  
214. Kesić Marin  
215. Kevljić Martin  
216. Klarić Drago  
217. Knezović Nevenka  
218. Knežević Slaven  
219. Kurbaša Josipa  
220. Lončar Sandra  
221. Lovrić Martina  
222. Lovrić Zorana  
223. Lukin Marko  
224. Majstrovic Nikola  
225. Makelja Ivana  
226. Marić Dejan  
227. Marinović Danira  
228. Matana Lovre  
229. Milardović Jelena











## STUDIJI ARHITEKTURE I URBANIZMA / ARCHITECTURE AND URBAN PLANNING STUDIES

**DODIPLOMSKI SVEUČILIŠNI STUDIJ ARHITEKTURE – DIPLOMIRANI  
INŽENJERI / DIPLOMIRANE INŽENJERKE ARHITEKTURE (DIPL. ING. ARH.) /  
GRADUATE UNIVERSITY STUDY PROGRAM IN ARCHITECTURE –  
MASTER IN ARCHITECTURE (M.SC.ARCH.\*)**

2009.	13. Bolanča Ivana	2011.	2012.
1. Batina Marija	14. Dragoje Ivana	28. Acalinović Mate	41. Glavinio Biljana
2. Kedžo Hrvoje	15. Dilas Mirta	29. Bešlić Jure	42. Jelaska Tonči
3. Lovrinović Lidija	16. Glavinio Damir	30. Bojanić Magda	43. Jurišić Ivana
4. Milišić Nada	17. Koren Sanja	31. Grbas Josipa	44. Krstinić Vjeran
5. Puljić Marija	18. Kovačević Nina	32. Jurić Ivan	45. Računica Jelena
6. Štambuk Duje	19. Marasović Stipe	33. Kostović Lucija	46. Starčević Ana Marija
7. Vlajić Ivana	20. Marušić Marijana	34. Krstulović-Relija Marijana	47. Tomšić Ana
8. Zanki Jasna	21. Matušin Tomislav	35. Marović Ante	48. Vukšić Nina
9. Žuvela Dragan	22. Melada Lucija	36. Pavlov Sara	
	23. Melnik Mario	37. Perić Viktor	2020.
2010.	24. Novaković Maja	38. Runje Igor	49. Carević Marina
10. Alujević Tomislav	25. Nuić Andrej	39. Vesanović Jelena	
11. Begonja Ivan	26. Pajić Sandra	40. Vuković Petar	
12. Bodružić Mirna	27. Vujec Maja		

506. Livaja Ana	537. Radošević Mihovil	568. Šimić Marin
507. Livaja Marijo	538. Rajčić Antonio	569. Vukas Josip
508. Matić Martin	539. Šakić Mia	570. Vuletić Josipa
509. Petričević Petra	540. Samardžić Andrea	
510. Ravlić Lovre	541. Šerić Josipa	
511. Šapro Đivo	542. Škomrlj Zvonimir	
512. Šaškor Petra	543. Šupe Andrija	
	544. Tokić Stipe	
2020.	2021.	
513. Barać Ivan	545. Bajić Antonijo	
514. Bilić Matej	546. Barišić Šime	
515. Biličić Šime	547. Bašić Lorena	
516. Bojčić Gorana	548. Borozan Vedran	
517. Bosnić Mirjana	549. Čondić Bijader Antonija	
518. Bravić Ante	550. Deranja Lucia	
519. Čivljak Bruno	551. Deur Luciana	
520. Dajak Šimun	552. Dlaka Marko	
521. Dobrijević Nikola	553. Družić Nikolina	
522. Domić Antonio	554. Đuzel Kažimir	
523. Gotovac Kristina	555. Jadrijević Ivan	
524. Grgurica Petra	556. Jakšić Ivan	
525. Gudelj Josip	557. Jurić Josipa	
526. Jelavić - Šako Paula	558. Jurko Božena	
527. Jelić Stjepan	559. Katić Monika	
528. Krolo Kristina	560. Klarić Ante	
529. Librenjak Petar	561. Marić Ana	
530. Marin Ivan	562. Matković Antonija	
531. Matulić Nikola	563. Medić Ivan	
532. Mikulić Marin	564. Pažanin Tea	
533. Milovac Ante	565. Radić Ivan	
534. Pavlović Bruno	566. Rubić Marija	
535. Perajica Ana	567. Šćepanović Anamarija	
536. Radnić Šime		

**DIPLOMSKI SVEUČILIŠNI STUDIJ ARHITEKTURA - MAGISTRI INŽENJERI /  
MAGISTRE INŽENJERKE ARHITEKTURE (MAG. ING. ARH.) /  
GRADUATE UNIVERSITY STUDY PROGRAM IN ARCHITECTURE AND URBAN  
PLANNING - MASTER IN ARCHITECTURE AND URBAN PLANNING (M.SC.ARCH.\*)**

2010.	22. Petričević Luka	44. Ostojić Srđan	66. Lovrić Stipo
1. Klarić Petra	23. Plosnić Luči	45. Pajdek Ana	67. Lujo Antonio
2. Marinović Nenad	24. Puljić Silvio	46. Prančić Tonia	68. Mikulić Nikola
	25. Smoljo Jelena	47. Radoš Mirjana	69. Milutin Maja
2011.	26. Šperac Nina	48. Restović Anaž	70. Mimica Frane
3. Banovac Andro	27. Tomić Mario	49. Sopta Iva	71. Peša Pjero
4. Boban Toni	28. Visković Vatroslav	50. Šuštić Nataša	72. Petković Viktorija
5. Budimir Ana	29. Vučica Katarina Zrinska	51. Tešija Ana	73. Pocrnjić Mate
6. Busatto Tina	30. Zaninović Luka	52. Tešija Maja	74. Posinković Lorena
7. Čakić Dragana	31. Zulim Marija	53. Vučić Marina	75. Šamija Jelena
8. Čurković Marija	32. Žibert Srđan		76. Šimunović Zorana
9. Dešković Ksenija		2013.	77. Tudor Melita
10. Justinić Iva	2012.	54. Bakarić Marina	78. Vidučić Violeta
11. Krstulović Ana	33. Baković Ivana	55. Bolanča Domagoj	79. Žaper Maja
12. Kurte Ana	34. Diklić Domagoj	56. Črnjak Ema	80. Zokić Antonia
13. Kuzmanić Mislav	35. Dominović Antonija	57. Čular Branimir	81. Žuvela Kristina
14. Lukšić Berislav	36. Dumandžić Frane	58. Dedić-Jandrej Ana	
15. Lunić Suzana	37. Garma Nikolina	59. Dragun Mateo	2014.
16. Mandušić Mia	38. Gojanović Antonija	60. Dvornik Maja	82. Afrić Anton
17. Marinović Petra	39. Jerončić Martina	61. Glamuzina Ana	83. Aljinović Anita
18. Miljak Marina	40. Kovačević Bruna	62. Grubišić Špiro	84. Bajić Domagoj
19. Morača Ana	41. Kovačić Katarina	63. Kerum Toni	85. Balta Mirna
20. Mužinić Luka	42. Kujundžić Ivana	64. Knežević Jure	86. Banovac Ivan
21. Pelagić Radmila	43. Miketek Stjepan	65. Kolak Tanja	87. Barbir Martina

88. Bašćevan Tina  
89. Bezić Antonia  
90. Bogdanić Jure  
91. Bošnjak Tea  
92. Duplancić Jelena  
93. Galošić Petra  
94. Grubić Marin  
95. Ivčević Jelena  
96. Josipović Marin  
97. Katunarić Anamarija  
98. Kerum Fani  
99. Kljenak Paola  
100. Kobzinek Filip  
101. Kolar Željko  
102. Konstantinović Mia  
103. Kovačević Duje  
104. Kulišić Barbara  
105. Kun Ariana  
106. Malenica Josip  
107. Maleš (Jović) Nikolina  
108. Matijević Josip  
109. Matutinović Tin  
110. Menegelo Mirko  
111. Miše Ivan  
112. Miše Svjetlana  
113. Modić Ksenija  
114. Nižetić Pavao  
115. Pavić Matea  
116. Pavlović Andrea  
117. Pivac Dina  
118. Polić Slavena  
119. Škoro Petra  
120. Stipančević Nina  
121. Stipanov Martina  
122. Svarčić-Selestrin Ante  
123. Tudor Nika  
124. Vidić Suzana  
125. Vidović Rea  
126. Visković Zrinka  
127. Vlaid Angela  
128. Vrdoljak Iva  
129. Vučić Mia  
130. Vuletić Antonia

2015.

131. Bajrović Alajdin  
132. Ban Anka  
133. Bulović Željana  
134. Cvitan Luka  
135. Grubišić Hrvoje  
136. Haklička Vana  
137. Ivanovski Darko  
138. Jandrić Ivana  
139. Karaman Anita  
140. Katavić Jelena  
141. Kolak Iva  
142. Lalić Ante  
143. Lušić Toni  
144. Margeta Irena  
145. Margetić Luka  
146. Marinović Anđela  
147. Miloš Marta  
148. Mimica Sonja  
149. Moscatello Vjekoslav  
150. Moskalj Damir  
151. Nuić Tihomir  
152. Penović Božena  
153. Plavljančić Eda  
154. Popić Dora  
155. Radnić Ivan  
156. Vujnović Maja  
157. Vuković Marija  
158. Vučić Nikola

2016.

159. Bartulović Bruno  
160. Bodrožić Marin  
161. Botić Marina  
162. Britvić Maria  
163. Bušić Magdalena  
164. Delić Marin  
165. Dimitrišin Helena  
166. Dragičević Jurica  
167. Đurović Damir  
168. Gunjača Ante  
169. Koprčina Ante  
170. Leko Josipa  
171. Malbaša Mislav  
172. Martić Jakša  
173. Mihanović Mirela  
174. Mikulić Ana  
175. Murtić Edo  
176. Mužinić Stipe  
177. Nejašmić Tomislav  
178. Ostojić Morana  
179. Pamuković Ivana  
180. Pandžić Tajana  
181. Penjak Borna  
182. Perišin Žarko  
183. Prolić Nikolina  
184. Soldo Stjepan  
185. Udovičić Vlade  
186. Vidović Andrea Matea  
187. Vladislavić Ena  
188. Vukojević Zvonimir  
189. Zoković Zoja

2017.

190. Babić Marija  
191. Čalušić Karla  
192. Cvitanušić Ivan  
193. Đović Antonio  
194. Dragoja Stjepan  
195. Đurović Dušan  
196. Franić Paola  
197. Galić Filip  
198. Jelača Vendi  
199. Laus Petar  
200. Matković Toma  
201. Mitrović Dunja  
202. Mustapić Ana  
203. Ninčević Luca  
204. Pavić Samantha Vanessa  
205. Perčić Dino  
206. Petričević Ivan  
207. Petričević Marija  
208. Petrov Iva  
209. Sentić Ivan  
210. Skočibušić Ivana  
211. Stić Ivana  
212. Tomić Petar  
213. Vrdoljak Andrija

2018.

214. Beidenedeg I Ivan  
215. Čakić Luka  
216. Dujmović Vlatka  
217. Eleršek Kristina  
218. Grbić Ante  
219. Horvat Pavle  
220. Majčica Stefani Maša  
221. Malec Ivana  
222. Mandac Jelena  
223. Maršić Marin  
224. Paleka Hana  
225. Popović Eleonora  
226. Šantić Mia

227. Stupalo Dora  
228. Tomelić Emanuela  
229. Ugarković Karlo  
230. Vučinović Domagoj  
231. Vukasović Anja  
232. Vuletić Katarina

2019.

233. Černić Inka  
234. Čirjak Ana  
235. Čurić Bruna  
236. Furač Ante  
237. Hajdić Anđelo  
238. Jukić Diana  
239. Jurić Filip  
240. Krtalić Josipa  
241. Martinić Tea  
242. Mihaljević Nikola  
243. Novak Dobrila  
244. Peović Mirna  
245. Peranić Niko  
246. Podrug Jelena  
247. Radić Ena  
248. Radčić Leo  
249. Repušić Ivan  
250. Skoko Mate  
251. Udovičić Helena  
252. Žuljević Sandro

2020.

253. Barković Luka  
254. Bilić Barbara  
255. Bodrožić Magdalena  
256. Brajković Anita  
257. Buljan Anamaria  
258. Buza Amar  
259. Dedić Frane  
260. Dragičević Emili  
261. Dvornik Marin  
262. Fucijaš Ivan  
263. Gotvald Kristina  
264. Grga Anita  
265. Ibrahić Laura  
266. Ivačić Marta  
267. Kliman Petra  
268. Kokan Tomislav  
269. Kustura Vedran  
270. Lelas Filip Eugen  
271. Markulin Ivan  
272. Matković Luka  
273. Miljak Mario  
274. Miočić Zrinka  
275. Nerlović Mia  
276. Odrlić Tomislav  
277. Pahert Karlo  
278. Pejić Mia  
279. Petković Marin  
280. Pleić Stjepan  
281. Pranjčić Nives  
282. Šegrt Ana  
283. Šimićev Pino  
284. Šimundić Bendić Lucija  
285. Sokač Robert  
286. Stegić Andrea  
287. Tomaš Marina  
288. Tomeljak Petra  
289. Vilibić Roko  
290. Vrklić Dora  
291. Žaknić Lana

2021.

292. Bakić Dino  
293. Brajković Kristina

294. Cafuk Rijja  
295. Čaleta Ante  
296. Čović Marija Akulina  
297. Duvnjak Mirna  
298. Grbavac Iva  
299. Jakus Marina  
300. Kaurić Dorotea  
301. Krajina Mislav  
302. Kuret Lea  
303. Mahovlić Josip  
304. Mandić Jozo  
305. Marasović Ana  
306. Marković Ines  
307. Markovina Sara  
308. Miloš Paula  
309. Radonić Petra  
310. Rupčić Ljilja  
311. Šatara Ivana  
312. Šegedin Marina  
313. Šolić Ivan  
314. Vrdoljak Antea  
315. Vukorepa Lana  
316. Žanetić Karmen

**PREDDIPLOMSKI SVEUČILIŠNI STUDIJ ARHITEKTURA I URBANIZAM - SVEUČILIŠNI PRVOSTUPNICI (BACCALAUREUS) INŽENJERI/PRVOSTUPNICE (BACCALAUREA) INŽENJERKE ARHITEKTURE (UNIV. BACC. ING. ARH.) / UNDERGRADUATE UNIVERSITY STUDY PROGRAM IN ARCHITECTURE AND URBAN PLANNING - BACHELOR IN ARCHITECTURE AND URBAN PLANNING (B.SC.ARCH.\*)**

2008.

1. Banovac Andro  
2. Boban Toni  
3. Budimir Ana  
4. Busatto Tina  
5. Čakić Dragana  
6. Čurković Marija  
7. Dešković Ksenija  
8. Justinić Iva  
9. Klarić Petra  
10. Krstulović Ana  
11. Kurte Ana  
12. Kuzmanić Mislav  
13. Lukšić Berislav  
14. Lunić Suzana  
15. Marinović Nenad  
16. Marinović Petra  
17. Miljak Marina  
18. Morača Ana  
19. Mužinić Luka  
20. Pelagić Radmila  
21. Plosnić Luđi  
22. Puljić Silvio  
23. Smoljo Jelena  
24. Šperac Nina  
25. Tomić Mario  
26. Visković Vatroslav  
27. Vučica Katarina Zrinska  
28. Zulim Marija  
29. Žibert Srđan

2009.

30. Baković Ivana  
31. Diklić Domagoj  
32. Dominović Antonija  
33. Dumandžić Frane  
34. Dvornik Maja  
35. Garma Nikolina  
36. Gojanović Antonija  
37. Jerončić Martina  
38. Kolak Tanja  
39. Kovačević Bruna  
40. Kovačić Katarina  
41. Kujundžić Ivana  
42. Mandušić Mia  
43. Miketek Stjepan  
44. Milutin Maja  
45. Mlakar Helena  
46. Ostojić Srđan  
47. Pahović Nina  
48. Pajdek Ana  
49. Petričević Luka  
50. Prancić Tonia  
51. Radoš Mirjana  
52. Restović Ana  
53. Sopta Iva  
54. Šustić Nataša  
55. Tešija Ana  
56. Triva Mia

57. Vučić Marina  
58. Zanimović Luka

2010.

59. Bolanča Domagoj  
60. Bošnjak Tea  
61. Čular Branimir  
62. Dedić Jandrek Ana  
63. Dragun Mateo  
64. Glamuzina Ana  
65. Grubišić Špiro  
66. Josipović Marin  
67. Jović Nikolina  
68. Kerum Fani  
69. Kerum Toni  
70. Knežević Jure  
71. Kolar Željko  
72. Konstantinović Mia  
73. Kvež Mario  
74. Lovrić Stipo  
75. Lujo Antonio  
76. Mikulić Nikola  
77. Mimica Frane  
78. Pavlović Andrea  
79. Peša Pjero  
80. Petković Viktorija  
81. Pocrnjić Mate  
82. Posinković Lorena  
83. Radeljić Hrvoje  
84. Radeljić Marijan  
85. Rajčić Ivana  
86. Šamija Jelena  
87. Šimunović Zorana  
88. Tudor Melita  
89. Vidić Suzana  
90. Vidučić Violeta  
91. Vuletić Antonia  
92. Zlopaša Stanko  
93. Zokić Antonia  
94. Žaper Maja  
95. Žuvela Kristina

2011.

96. Afrić Anton  
97. Aljinović Anita  
98. Bajić Domagoj  
99. Bakarić Marina  
100. Balta Mirna  
101. Banovac Ivan  
102. Bašćevan Tina  
103. Bezić Antonia  
104. Bogdanić Jure  
105. Bulović Željana  
106. Črnjak Ema  
107. Galošić Petra  
108. Grubić Marin  
109. Ivčević Jelena  
110. Kovačević Duje  
111. Kulišić Barbara

112. Kun Ariana  
113. Mamić Damir  
114. Matutinović Tin  
115. Miše Ivan  
116. Miše Svjetlana  
117. Modić Ksenija  
118. Moskalj Damir  
119. Pavelić Jelena  
120. Pavić Matea  
121. Pivac Dina  
122. Polić Slavena  
123. Radnić Ivan  
124. Stipančević Nina  
125. Svarčić Selestrin Ante  
126. Škare Silvija  
127. Špaleta Aljoša  
128. Tudor Nika  
129. Vidović Rea  
130. Visković Zrinka  
131. Vrdoljak Iva

2012.

132. Ban Anka  
133. Bekavac Luka  
134. Buljubašić Željana  
135. Bušić Magdalena  
136. Čuljak Monika  
137. Cvitan Luka  
138. Duplancić Jelena  
139. Erak Martina  
140. Fatović Jakov  
141. Haklička Vana  
142. Ibrišimović Ivana  
143. Ivanovski Darko  
144. Karaman Anita  
145. Katavić Jelena  
146. Katunarić Anamarija  
147. Kljenak Paola  
148. Kobzinek Filip  
149. Leko Josipa  
150. Lušić Toni  
151. Malenica Josip  
152. Margeta Irena  
153. Marinović Anđela  
154. Matijević Josip  
155. Menegelo Mirko  
156. Mikulić Mateja  
157. Mimica Sonja  
158. Nižetić Pavao  
159. Nuić Tihomir  
160. Popić Dora  
161. Pušić Antonela  
162. Radatović Nika  
163. Škoro Petra  
164. Stahor Antun  
165. Stipanov Martina  
166. Unterajner Sandra  
167. Vlaid Angela  
168. Vučić Mia

169. Vujnović Maja  
170. Vučić Nikola

2013.

171. Bajrović Alajdin  
172. Botić Marina  
173. Čudina Jure  
174. Delić Marin  
175. Đurović Damir  
176. Furač Bruna  
177. Gotovac Iva  
178. Grubišić Hrvoje  
179. Gulan Emil  
180. Knežević Tena  
181. Kolak Iva  
182. Lalić Ante  
183. Malbaša Mislav  
184. Marendić Marko  
185. Martić Jakša  
186. Matković Toma  
187. Miloš Marta  
188. Moscatello Vjekoslav  
189. Nejašmić Tomislav  
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192. Pandžić Tajana  
193. Pavlović Marija  
194. Penović Božena  
195. Plavljančić Eda  
196. Požega Matej  
197. Premur Ana  
198. Prolić Nikolina  
199. Soldo Stjepan  
200. Vuković Marija  
201. Zoković Zoja

2014.

202. Babić Marija  
203. Bartulović Bruno  
204. Belak Sven  
205. Bodrožić Marin  
206. Britvić Maria  
207. Cvitanušić Ivan  
208. Dimitrišin Helena  
209. Duvnjak Maja  
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211. Friganović Mirta  
212. Galić Filip  
213. Koprčina Ante  
214. Malec Ivana  
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216. Mihanović Mirela  
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218. Murtić Edo  
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224. Skočibušić Ivana  
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228. Udovičić Vlade  
229. Vidović Andrea Matea  
230. Vladislavić Ena  
231. Vržina Anamarija  
232. Vukojević Zvonimir

2015.  
233. Čakić Luka  
234. Čalušić Karla  
235. Čičmir Vestić Dora  
236. Dragoja Stjepan  
237. Dujmović Vlatka  
238. Eleršek Kristina  
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256. Stić Ivana  
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258. Vrdoljak Andrija  
259. Vučinović Domagoj  
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2016.  
261. Bilić Barbara  
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266. Hajdić Anđelo  
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274. Novak Dobrila  
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286. Udovičić Helena  
287. Ugarković Karlo  
288. Vučenović Meri  
289. Vukasović Anja  
290. Žuljević Sandro

2017.  
291. Barković Luka  
292. Bodrožić Magdalena  
293. Brajković Anita  
294. Buljan Anamarija  
295. Čirjak Ana  
296. Čurić Bruna  
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298. Dragičević Emili  
299. Gotvald Kristina  
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329. Vrkić Dora

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330. Babić Katarina  
331. Babić Ante  
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333. Brajković Kristina  
334. Draženović Anamarija  
335. Duvnjak Mirna  
336. Dvornik Marin  
337. Fucijaš Ivan  
338. Ivačić Marta  
339. Kaurić Dorotea  
340. Kokan Tomislav  
341. Kolak Katarina  
342. Kureš Lea  
343. Kustura Vedran  
344. Leko Ana  
345. Lipovac Ante  
346. Mahovlić Josip  
347. Mamula Branka  
348. Mandić Jozo  
349. Marić Alen  
350. Marković Ines  
351. Markovina Sara  
352. Matković Luka  
353. Maurović Ivan  
354. Miljak Mario  
355. Miloš Paula  
356. Miočić Zrinka  
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358. Odrlić Tomislav  
359. Patek Tea  
360. Pejić Mia

361. Perić Zrinka  
362. Perko Tea  
363. Petrovečki Erna  
364. Pleić Stjepan  
365. Pranjic Nives  
366. Rupčić Ljilja  
367. Šegedin Marina  
368. Šego Nikol  
369. Šolić Ivan  
370. Stegić Andrea  
371. Tivanovac Josipa  
372. Tokić Marijana  
373. Vrdoljak Antea  
374. Žaknić Lana  
375. Žanetić Karmen

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376. Anton Lucija  
377. Baban Dijana  
378. Balorda Sara  
379. Banjan Marino  
380. Barić Luka  
381. Batalić Barbara  
382. Bauk Mislav  
383. Belamarić Dora  
384. Borković Niko  
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386. Božić-Kudrić Antonio  
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396. Grbavac Iva  
397. Jakus Marina  
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404. Lovrinčević Ena  
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410. Šunjo Marta  
411. Vukorepa Lana  
412. Vulić Lucija  
413. Zonjić Tea  
414. Zorić Helena

2020.  
415. Balić Dražen  
416. Belamarić Iris  
417. Benko Lucija  
418. Berda Karmen  
419. Dragičević Dea  
420. Dujić Anamarija  
421. Glavaš Marko  
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429. Maškarin Dora

430. Miličić Dorotea  
431. Mimica Ivana  
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433. Poklepović Duje  
434. Prkić Leon  
435. Ptiček Lucija  
436. Radman-Livaja Miro  
437. Raguž Monika  
438. Salopek Izabela  
439. Sarić Martin  
440. Schkarp Dominik  
441. Štajduhar Karla  
442. Šuta Josipa  
443. Tomaš Marija  
444. Vukičević Antonio  
445. Vulić Klara

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446. Bakija Stjepan  
447. Bašić Marija  
448. Botica Roko  
449. Dželalija Marko  
450. Gizdić Loris  
451. Hrštić Dora  
452. Janković Bruno  
453. Jerčić Mia  
454. Klarić Josip  
455. Krnjaić Brigita  
456. Kučić Korina Nika  
457. Lovrić Marko  
458. Lukić Yulia  
459. Marinović Frano  
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462. Meštović Hrvoje  
463. Milardović Josipa  
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465. Peša Ivona  
466. Radić Katica  
467. Radun Ivan-Livio  
468. Raos Noel  
469. Škare Antonia  
470. Šučur Anamarija  
471. Tokić Toni  
472. Tolić Nino  
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474. Veštić Anamarija  
475. Vidaković Ana  
476. Žabek Ivona

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## PREDDIPLOMSKI SVEUČILIŠNI STUDIJ GEODEZIJA I GEOINFORMATIKA - SVEUČILIŠNI PRVOSTUPNICI (BACCALAUREUS) INŽENJERI/PRVOSTUPNICE (BACCALAUREA) INŽENJERKE GEODEZIJE I GEOINFORMATIKE (UNIV. BACC. ING. GEOD. ET GEOINF.) / UNDERGRADUATE UNIVERSITY STUDY OF GEODESY AND GEOINFORMATICS - BACCALAUREUS/BACCALAUREA IN GEODESY AND GEOINFORMATICS (B.SC.GEOD. AND GEOINF.\*)

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2013.  
1. Čurić Matej  
2. Filipović Christina  
3. Krstanović Ivan

2014.  
4. Anić Sandy  
5. Babić Ana  
6. Brnas Ivana  
7. Buha Maja  
8. Buljubašić Oriana  
9. Ercegović Antonija  
10. Gabela Jelena  
11. Gabrić Darko  
12. Glaurdić Mate  
13. Glavan Amalija  
14. Gotovac Grgo  
15. Gusić Dino  
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17. Ivić Majda  
18. Jovanović Nataša  
19. Kotromanović Luka  
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21. Lagator Filip  
22. Majić Ivan  
23. Mandarić Jure  
24. Perić Dean  
25. Sinovčić Katarina  
26. Sučić Petar  
27. Tadić Tomislav  
28. Žubrinić Goran

2015.  
29. Bašić Andrea  
30. Berković Jelena  
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32. Brajičić Irena  
33. Čakić Enia  
34. Čerdić Ivana  
35. Čikeš Josip  
36. Grčić Goran  
37. Gudelj Marina  
38. Jelovina Duje  
39. Krce Dunja  
40. Nazlić Stjepan  
41. Pavić Doris  
42. Plazonić Josip  
43. Podrug Mario  
44. Pranić Antonia  
45. Ramov Kristijan  
46. Rokov Toni  
47. Ružević Vinko  
48. Sanseović Stipe  
49. Šiško Josip  
50. Tukić Martina

2016.  
51. Barac Filip  
52. Brkić Ivan  
53. Čurčić Ivana  
54. Čurković Šime  
55. Džoja Josip Miljenko  
56. Gilić Frane  
57. Ivačić Marko  
58. Jurišić Ivan  
59. Kević Karlo  
60. Kukavica Ante  
61. Malec Paula  
62. Mihanović Tino  
63. Odak Ante  
64. Pauk Martin Mladen  
65. Štroliga Stipe  
66. Tokić Frane

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67. Amižić Ante  
68. Barada Adriana  
69. Barić Anđela  
70. Brzović Dora  
71. Budić Josipa  
72. Čapeta Zlatko  
73. Dukić Bruno  
74. Durđov Marin  
75. Gotovac Ivan  
76. Granić Eli  
77. Kojundžić Ana  
78. Kuliš Marko  
79. Letunić Tomislav  
80. Mucić Marin  
81. Nuić Jurica  
82. Sekelez Mateja  
83. Vrdoljak Ante  
84. Vučemilović Vranjić Marina

2018.  
85. Baković Ivan  
86. Biuk Petar  
87. Buzov Katarina  
88. Čurak Matea  
89. Đogo Monika  
90. Ezgeta Petra  
91. Grljušić Valentino  
92. Klanac Lucija  
93. Leventić Ivan  
94. Lijić Martin  
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96. Mađerić Ivan  
97. Marijanović Antonio  
98. Mlakić Vanja  
99. Omazić Anđela  
100. Omrčen Antonela

101. Pažanin Ivo  
102. Petković Zorana  
103. Pirić Maja  
104. Raspović Luka  
105. Sokol Zvonimir  
106. Tenžera Josip  
107. Velić Josipa  
108. Žunić Toni

2019.  
109. Andrić Marin  
110. Bradarić Toni  
111. Brešić Mateo  
112. Brnad Matej  
113. Čačić Antonija  
114. Čorluka Viktorija  
115. Ivičević Ivan  
116. Jurišić Juraj  
117. Kalaš Marina  
118. Katušić Paula  
119. Kelava Lukrecia  
120. Knežević Mate  
121. Kokeza Andro  
122. Krolo Marko  
123. Latinčić Andrea  
124. Matešić Matteo  
125. Matošić Nina  
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127. Novak Marina  
128. Perica Blaž  
129. Pešo Ana  
130. Petković Duje  
131. Radić Branko  
132. Strižić Petar  
133. Sučić Ferdinand  
134. Svrznjak Katarina  
135. Validžić Duje  
136. Volarević Jakov - Irnej  
137. Vranjić Lucija  
138. Vrankić Marin  
139. Vrdoljak Lucija  
140. Vukadinović Mia

2020.  
141. Bešker Tino  
142. Gion Goran  
143. Hrzić Josip  
144. Kević Mario  
145. Klepo Katarina  
146. Kosor Ana  
147. Malenica Filip  
148. Matas Josip  
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150. Plazonić Nikola  
151. Prkačin Josip

152. Rojnica Josip  
153. Šimunović Mirjana  
154. Stupalo Ivan  
155. Šunjić Marija  
156. Vrabec Lovro  
157. Znaor Marko

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158. Alajbeg Ivan  
159. Bajić Josip  
160. Grbavac Mia  
161. Kovačević Ante  
162. Mamić Mattea  
163. Marić Drvoličanin Paula  
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166. Milić Antonio  
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168. Radošević Ivana  
169. Radović Anamarija  
170. Relja Josip  
171. Ruščić Josipa  
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## KORIŠTENI IZVORI TEKSTOVA I FOTOGRAFIJA / USED SOURCES

Za izradu Monografije korišteni su sljedeći izvori / In the development of this Monograph we have used the following sources:

- [A1] Arhiv Fakulteta građevinarstva, arhitekture i geodezije u Splitu / Archive of the Faculty of Civil Engineering, Architecture and Geodesy in Split
- [M1] 20 godina Građevinskog fakulteta Sveučilišta u Splitu i 26 godina visokoškolskog obrazovanja građevinara u Splitu 1971 – 1977 - 1997; glavni i odgovorni urednik prof. dr. sc. Slobodan Šestanović; Građevinski fakultet Split, 1997./20 years of Faculty of Civil engineering of the University of Split and 26 years of higher education of civil engineers in Split 1971-1977-1997, chief editor prof.dr.sc Slobodan Šestanović, Faculty of Civil Engineering Split 1997
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