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of the European Union



Presentation of the University of Rijeka and the Faculty of Civil Engineering

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University of Rijeka, Faculty of Civil Engineering

UNIRI

Training for WB teaching staff at UNIRIFCE

21.03.2022.

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This project has been funded with support from the European Commission. This publication reflects the views only of the author, and the Commission cannot be held responsible for any use which may be made of the information contained therein.

University of Nis

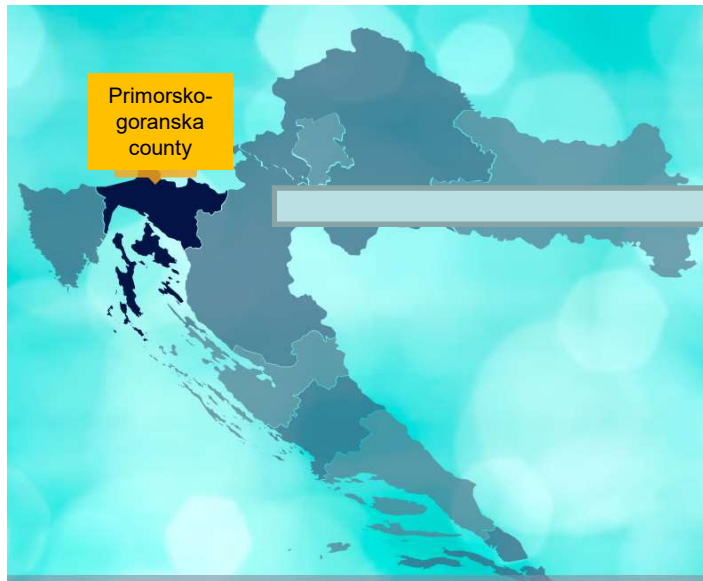


www.swarm.ni.ac.rs

Strengthening of master curricula in water resources
management for the Western Balkans HEIs and stakeholders

Project number: 597888-EPP-1-2018-1-RS-EPPKA2-CBHE-JP

Croatia



Rijeka



Primorsko-goranska county



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UNIRI



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F The City of Rijeka

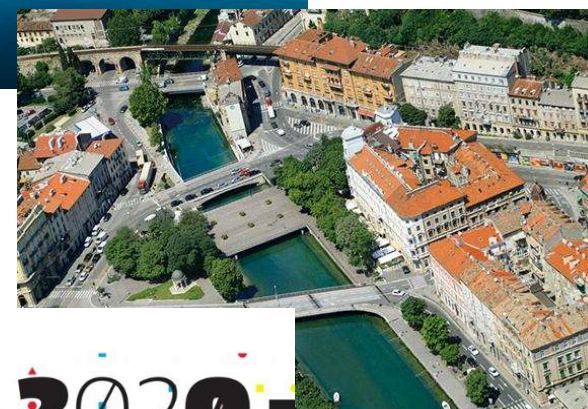
UNIRI

Rijeka is the administrative and cultural centre of the Primorje-Gorski kotar County and the third largest city in Croatia regarding the number of inhabitants.

Rijeka (in English language: RIVER) carries the symbol of water in its name.

Rijeka retains its importance as a cultural and educational center.

Numerous cultural events take place in Rijeka, such as theatre performances, concerts, exhibitions, the traditional international carnival, fairs, and sport events.



RIJEKA 2020
PORT OF
DIVERSITY

European Capital
of Culture 2020.

University of Rijeka

FACTS

- was founded in 1973
- matured into a modern European university and center of excellence whose impact extends beyond the region
- 13 faculties, 2 departments, 1 academy
(172 study programs)
- 17.000 students
- Erasmus+ *(650+ bilateral agreements)*
- YUFE *(since 2020)*
- YERUN *(since 2021)*



Faculty of Civil Engineering

FACTS

- Since 1969
- **5 Departments** (*Hydrotechnics and Geotechnics, Mathematics, Physics and Other Subjects, Structural Engineering and Technical Mechanics, Roads and Traffic, Organization and Construction Technology and Architecture, Computer Modeling of Materials and Structures*) **and 5 Laboratories**
- 700 students
- 26 Erasmus+ bilateral agreements
- 3 Erasmus+ projects



Faculty of Civil Engineering

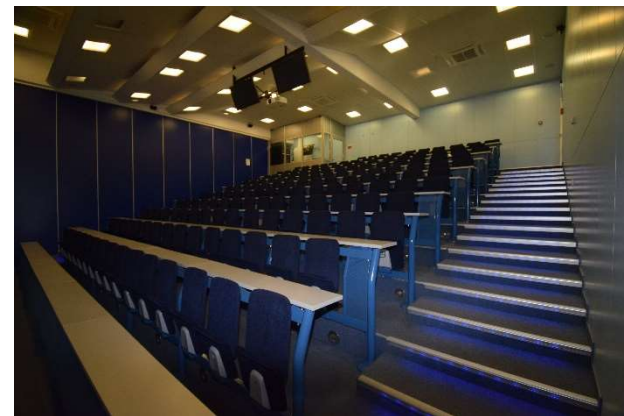
- Located at University of Rijeka campus



Faculty of Civil Engineering

FACILITIES

- 14 modernly equipped lecture halls
- 6 classrooms for practical work and 3 IT cabinets
- Rooms for individual work
- 5 fully equipped laboratories
- New library with a computer-equipped reading room



Faculty of Civil Engineering



Laboratory equipment delivered within the EU project launched in 2014 *"Development of research infrastructure on the Campus of the University of Rijeka" - RISK*

Geotechnical Laboratory
Laboratory for Hydraulic Engineering
Structural Engineering Laboratory
Laboratory for Materials
Laboratory for Roads

The total cost of laboratory equipment

7.116.605, 00 EUR

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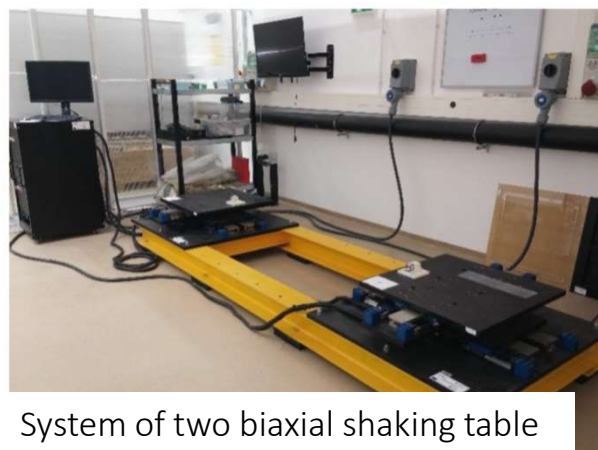
STRUCTURAL ENGINEERING LABORATORY

UNIRI

Steel frame with servo-hydraulic actuator capacity of 500kN i 250 kN



Cyclic corrosion test chamber



System of two biaxial shaking table



Universal tension-compression testing machine with temperature chamber

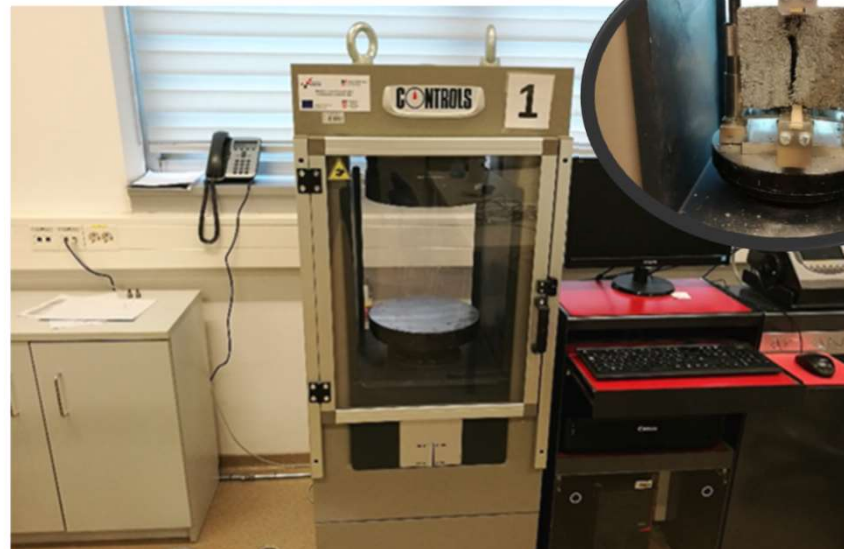
LABORATORY FOR MATERIALS



Los Angeles equipment



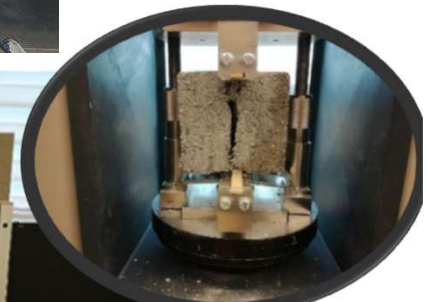
Permeability test equipment



Equipment for testing the compression properties of concrete



Servo-hydraulic flexure test machine

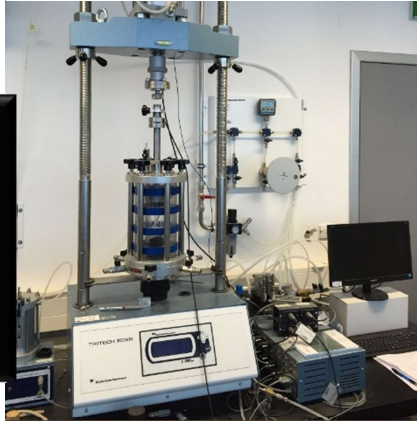


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**GEOTECHNICAL
LABORATORY**

triaxial soil testing

Dynamic/cyclic
triaxial testing



Rock testing
- FORM+TESTs ALPHA 1-
2000s



UNIRI

Resonant Column



GDS direct shear in saturated
and unsaturated conditions



Large shear

UNIRI



Europska unija
Ulaganje u budućnost



KONKURENTNA
HRVATSKA



Projekt je sufinancirala Europska unija iz Europskog fonda za regionalni razvoj.
Sadržaj ove publikacije isključivo je odgovornost autora.

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Fully automated electromechanical device for sample preparation by rolling



Mobile device for measuring the deflection of pavement structures -GRONTMIJ Primax 1500

LABORATORY FOR ROADS

UNIRI

Device for testing plastic deformation of asphalt pavements



Device for dynamic cyclic testing of asphalt samples, fatigue and asphalt stiffness



Laser profiler- beam with 5 point laser meters ARRB HAWKEYE 2000+ Camera ARRB HAWKEYE 2000

UNIRI



Europska unija
Ulaganje u budućnost



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LABORATORY FOR HYDRAULIC ENGINEERING

open-type air tunnel for testing
the aerodynamic characteristics
of different physical models

UNIRI



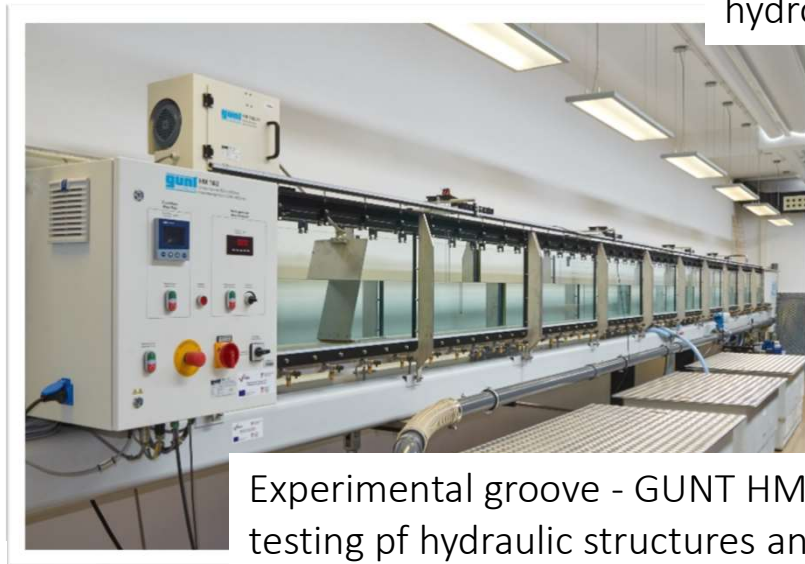
Experimental pool with a
wave generator



Chamber for advanced
hydrological tests



3D printer Stratasys Connex
500 for preparation of
physical model



Experimental groove - GUNT HM-162-Hydraulic
testing pf hydraulic structures and hydraulic

UNIRI



Europska unija
Ulaganje u budućnost



KONKURENTNA
HRVATSKA



Ministarstvo
znanosti,
obrazovanja
i sporta

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Faculty of Civil Engineering

ERASMUS + COOPERATION

- **KA2 - SWARM** - Strengthening of master curricula in water resources management for the Western Balkans HEIs and stakeholders (EAC/A05)
- **KA107** - International Credit Mobility between Programme and Partner Countries (Odessa State Academy of Civil Engineering and Architecture)
- **KA202** - Strategic partnerships in vocational education and training- „The Career Garden- Building bridges between educational institutions and companies via remote and hybrid interships”

Faculty of Civil Engineering

STUDY PROGRAMMES

- Undergraduate University Study (180 ECTS)
- Undergraduate Vocational Study (180 ECTS)
- Graduate University Study (120 ECTS)
- Specialist Graduate Vocational Study (120 ECTS)
- Postgraduate University Study (180 ECTS)

- 50+ courses delivered in English



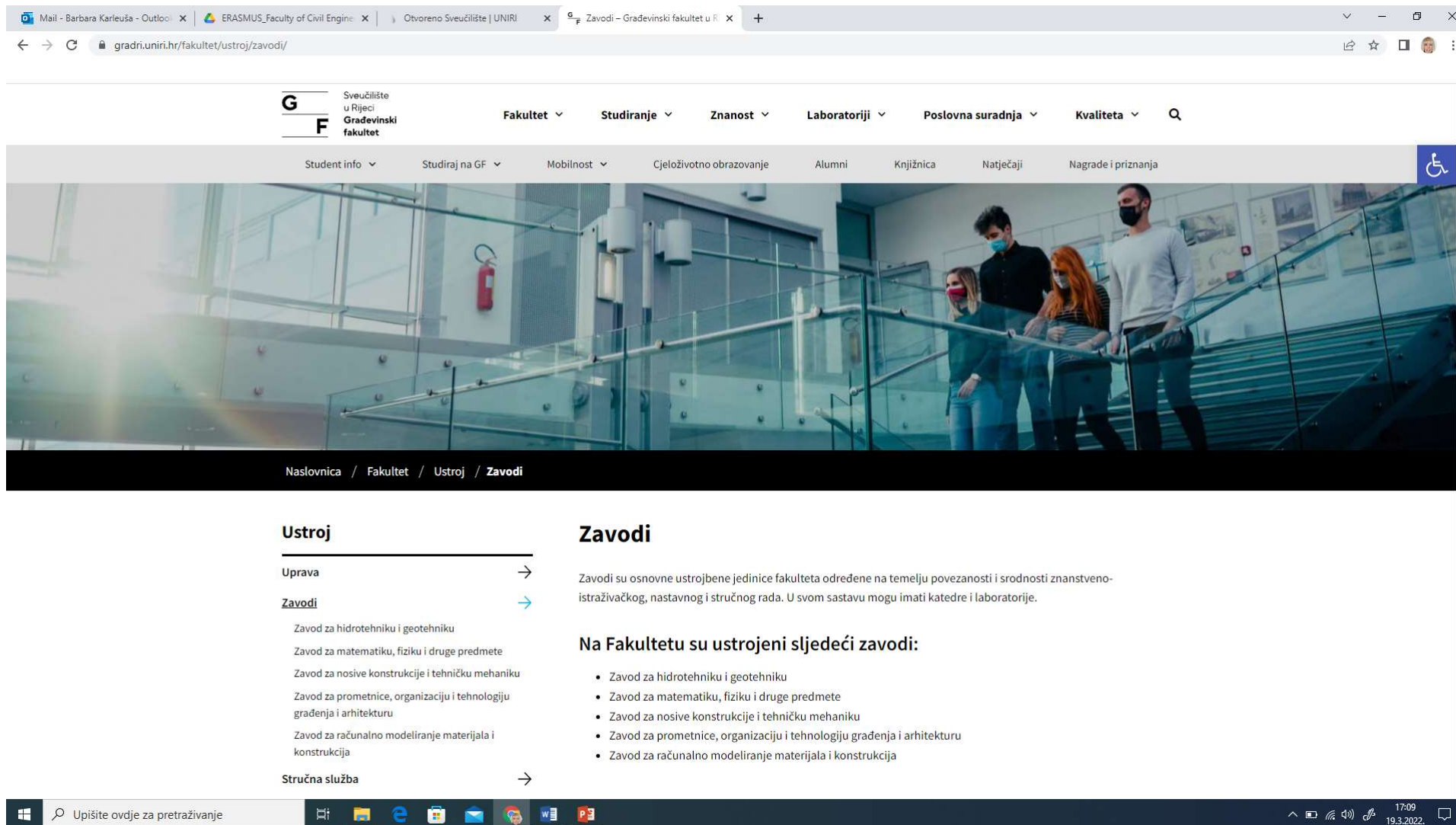
Faculty of Civil Engineering

PARTICULARITIES

- flexibility in creating study requirements
- possibility to choose courses from other faculties at University of Rijeka
- involving students in research projects
- individual approach
- student centered learning
- introduction of practice in teaching
- continuous teacher education and quality assurance



https://gradri.uniri.hr/



The screenshot shows a web browser window displaying the website of the Faculty of Civil Engineering at UNIRI. The browser tabs include 'Mail - Barbara Karleuša - Outlook', 'ERASMUS_Faculty of Civil Engine', 'Otvoreno Sveučilište | UNIRI', and 'Zavodi - Građevinski fakultet u R'. The address bar shows 'gradri.uniri.hr/fakultet/ustroj/zavodi/'.

The website header features the GF logo and navigation menus for 'Fakultet', 'Studiranje', 'Znanost', 'Laboratoriji', 'Poslovna suradnja', and 'Kvaliteta'. A search icon is also present. Below the header, there are additional navigation links: 'Student info', 'Studiraj na GF', 'Mobilnost', 'Cjeloživotno obrazovanje', 'Alumni', 'Knjižnica', 'Natječaji', and 'Nagrade i priznanja'. A blue banner image shows four people wearing face masks on a modern staircase.

The breadcrumb trail at the bottom of the banner reads: 'Naslovnica / Fakultet / Ustroj / Zavodi'.

The main content area is divided into two columns:

- Ustroj**
 - Uprava →
 - Zavodi** →
 - Zavod za hidrotehniku i geotehniku
 - Zavod za matematiku, fiziku i druge predmete
 - Zavod za nosive konstrukcije i tehničku mehaniku
 - Zavod za prometnice, organizaciju i tehnologiju građenja i arhitekturu
 - Zavod za računalno modeliranje materijala i konstrukcija
 - Stručna služba →
- Zavodi**

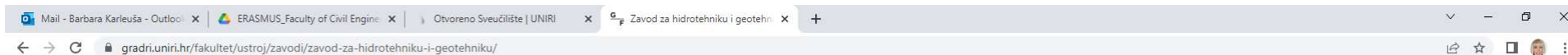
Zavodi su osnovne ustrojbene jedinice fakulteta određene na temelju povezanosti i srodnosti znanstveno-istraživačkog, nastavnog i stručnog rada. U svom sastavu mogu imati katedre i laboratorije.

Na Fakultetu su ustrojeni sljedeći zavodi:

 - Zavod za hidrotehniku i geotehniku
 - Zavod za matematiku, fiziku i druge predmete
 - Zavod za nosive konstrukcije i tehničku mehaniku
 - Zavod za prometnice, organizaciju i tehnologiju građenja i arhitekturu
 - Zavod za računalno modeliranje materijala i konstrukcija

The Windows taskbar at the bottom shows the search bar with the text 'Upišite ovdje za pretraživanje', several application icons, and the system tray with the time '17:09' and date '19.3.2022.'.

https://gradri.uniri.hr/



Naslovnica / Fakultet / Ustroj / Zavodi / **Zavod za hidrotehniku i geotehniku**

Zavodi

- [Zavod za hidrotehniku i geotehniku](#) →
- [Zavod za matematiku, fiziku i druge predmete](#) →
- [Zavod za nosive konstrukcije i tehničku mehaniku](#) →
- [Zavod za prometnice, organizaciju i tehnologiju građenja i arhitekturu](#) →
- [Zavod za računalno modeliranje materijala i konstrukcija](#) →

Zavod za hidrotehniku i geotehniku

Predstojnica zavoda je **prof. dr. sc. Nevenka Ožanić**.

Zavod za hidrotehniku i geotehniku u svom sastavu ima dvije katedre i dva laboratorija.

Katedra za hidrotehniku >

Katedra za geotehniku >

Laboratorij za hidrotehniku >

Laboratorij za geotehniku >

// INFO



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Katedra za hidrotehniku



Šefica katedre za hidrotehniku je **prof. dr. sc. Barbara Karleuša**.

Zaposlenici katedre:

- prof. dr. sc. Nevenka Ožanić
- prof. dr. sc. Barbara Karleuša
- prof. dr. sc. Vanja Travaš
- izv. prof. dr. sc. Josip Rubinić
- izv. prof. dr. sc. Igor Ružić
- izv. prof. dr. sc. Goran Volf
- doc. dr. sc. Bojana Horvat
- doc. dr. sc. Nino Krvavica
- doc. dr. sc. Ivana Sušanj Čule
- doc. dr. sc. Elvis Žic
- Andrea Tadić, asistentica
- Maja Radišić, stručna suradnica

Katedra za geotehniku



Laboratorij za hidrotehniku



Laboratorij za geotehniku





UNIRI

Thank you for
your attention!

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21.03.2022.