



University of Zagreb  
Faculty of Civil Engineering



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# 10th DOCTORAL SYMPOSIUM IN CIVIL ENGINEERING

**Venue: University of Zagreb Faculty of Civil Engineering**  
**Sv. Duh 129**

Date: 12 September 2024

## SYMPOSIUM PROGRAMME

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### Participant registration: 08:00 – 09:00

Time	Topic
09:00 – 09:15	<b>Opening Ceremony</b> Prof. Domagoj Damjanović, PhD, Dean Assoc. Prof. Ana Baričević, PhD, Vice Dean for Science
09:15 – 09:40	<b>Outbound Mobility of Research Assistants of the Croatian Science Foundation and other calls open to Early-Stage Researchers</b> Prof. Ozren Polašek, PhD, Croatian Science Foundation
09:40 – 10:05	<b>Experiences with Outbound Mobility of Research Assistants under the Croatian Science Foundation Programme (MOBDOK-2023)</b> Antonela Moretić, University of Zagreb Faculty of Civil Engineering Karlo Ožić, University of Zagreb Faculty of Civil Engineering
10:05 – 10:20	Coffee break
10:20 – 10:45	<b>Opportunities for applying projects and realizing mobility for Early-Stage Researchers via the Agency for Mobility and EU Programmes</b> Ivan Makovec, Senior Adviser in the Department for Horizontal areas of EU Framework Programmes and mobility of researchers and National Contact Point for Marie Skłodowska-Curie Actions and Legal and Financial aspects in Horizon Europe
10:45 – 11:15	<b>Experience with a successful application for an MSCA postdoctoral fellowship</b> Suzana Ereiz, PhD, University of Zagreb Faculty of Civil Engineering
11:15 – 12:15	<b>Presentations of doctoral students</b> Chairpersons: Assoc. Prof. Mario Bačić, Assoc. Prof. Marija Jelčić Rukavina Marijan Car; Prof. Meho Saša Kovačević: Development of methods for measuring displacement of embankments using unmanned aerial systems Doria Baletić; Prof. Danijela Jurić Kačunić: Uniaxial compressive and undrained shear strength of soil Kristina Vulić; Assoc. Prof. Lovorka Librić: Determination of liquefaction potential using a static penetration test Goran Grget; Assoc. Prof. Mario Bačić: Importance of long-term monitoring of the earth dams
12:15 – 13:00	Lunch break

- 13:00 – 14:15 **Presentations of doctoral students**  
Chairpersons: Prof. Mladen Vukomanović, Assoc. Prof. Ivo Haladin  
Ladislav Bevanda; Prof. Anita Cerić:  
**Decision Support System for risk management in infrastructure projects**  
Petra Vučetić Osonjački; Prof. Anita Cerić:  
**Climate change risk impact to cultural heritage buildings**  
Bojan Ožinger; Prof. Ivica Završki:  
**Methodology for selecting emergency shelter locations in natural disasters**  
Ana Rudeš Ana; Prof. Tatjana Rukavina:  
**Application of neural networks for predicting the structural behavior of the pavement due to load impact**  
Valentina Mustapić Valentina; Assoc. Prof. Marijana Serdar:  
**Carbon curing of concrete: process overview and concrete properties**
- 14:15 – 14:30 **Coffee break**
- 14:30 – 15:15 **How to secure a scholarship and realize an outbound mobility? Advice for doctoral students of the Faculty of Civil Engineering**  
Ana Bešker; Ida Javorski Milošić, University of Zagreb Faculty of Civil Engineering
- 15:15 – 16:15 **Presentations of doctoral students**  
Chairpersons: Prof. Davor Skejić, Assoc. Prof. Ana Skender Hrvoje Čagalj; Assoc. Prof. Mario Uroš:  
**Calculation of ductility of reinforced concrete sections**  
Igor Džajić; Prof. Domagoj Damjanović:  
**Bending of concrete columns reinforced with FRP bars**  
Ivan Franić; Assoc. Prof. Petra Gidak:  
**Shape optimization of tensegrity systems**  
Ozren Sudić; Prof. Davor Skejić:  
**Seismic behaviour of innovative joints of steel frame structures**
- 16:30 – 17:00 **Discussion and conclusion**
- 17:00 – 21:00 **Doctoral students' gathering**