



11th Doctoral Symposium in Civil Engineering

This year's program will be held in two parts:

PART I — WORKSHOPS FOR DOCTORAL STUDENTS

"Pitch Perfect: Find Your Story"

How to present complex concepts in 3 minutes?

What are a one-liner, an elevator pitch, and a pitch deck?

Why is storytelling essential for developing innovative ideas?

Location: Room 121, Kačićeva 26, University of Zagreb Faculty of Civil Engineering

Workshop dates:

- Tuesday, September 2, 2025 | 14:00 – 16:00
- Monday, September 8, 2025 | 11:00 – 13:00

Lecturer: Deni Nurkić, Nikola Tesla Innovation Center (ICENT) | Nuqleus Program
(Startup Builder, Scinergy – support for research commercialization)

PART II — DOCTORAL SYMPOSIUM IN CIVIL ENGINEERING

Symposium date:

- Thursday, September 11, 2025, according to the agenda below.
- Registration is required via the [link](#).

Agenda for the 11th Doctoral Symposium in Civil Engineering

09:00 – 09:10 Opening Remarks

Time	Theme
09:00 – 09:10	Opening Remarks <i>Prof. Domagoj Damjanović, Dean</i>
09:10 – 10:00	Round Table Discussion: “What Does Research Experience Mean in the Engineering Profession?” <i>Participants: Marin Franetović, PhD; Mirko Grošić, PhD; Josip Pišković, PhD; Karmen Kostanić Jurić, PhD; Emir Zekić, PhD. Moderator: Assoc. Prof. Marijana Serdar</i>
10:00 – 10:15	Coffee Break
10:15 – 12:00	Doctoral Students’ Research Topic Presentations <ul style="list-style-type: none">• Emanuel Krupa-Jurić, Application of built-up corrugated web cold-formed steel girders• Marko Barišić, Double-skin cold-formed steel shear walls with concrete infill• Tomislav Brozović, Bond calculation between prestressed RC girder and FRP• Vita Varezić, Reinforcing 3D printed concrete – challenges and current developments• Bruno Zadravec, Timber structures without adhesives and metal connectors• Sara Vaing, Overview of approaches to numerical modeling of masonry structures• Viktor Kolčić, Regional waste materials as candidates for mineral carbonation-based CO₂ sequestration• Marina Džunić Matak, Overview of the digital tools for circular construction• Kristijan Vilibić, Identifying risks in the delivery of infrastructure projects using artificial intelligence• Filip Ivančić, Application of BIM in Construction Project Contracts: A Critical Analysis• Franka Meštrović, Predictive maintenance of slab tram tracks using digital twin technology• Antonija Mirčeta, Evaluating Soil Liquefaction Susceptibility Using CPT Data: A Case Study from Brest Pokupski
12:00 – 13.00	Lunch Break
13:00 – 14:00	Writing Scientific Papers with International Impact <i>Prof. Tomislav Došlić</i>
14:00 – 14:30	From Beams to Bends: How Curiosity Nurtures a Growing Academic Vision <i>Mahmoud Shaqfa, PhD</i>
14:30 – 15:00	Discussion and Conclusion