

## 6. DOCTORAL SYMPOSIUM IN CIVIL ENGINEERING

7. – 8. September 2020., Zagreb

Organizer: University of Zagreb Faculty of Civil Engineering

### SYMPOSIUM PROGRAM

#### DAY 1 - MONDAY, September 7, 2020

08.00 – 09.00	PARTICIPANT REGISTRATION, Hall P1
09.00 – 09.15	OPENING CEREMONY, Hall P1
<b>I Session 09.15 – 11.00</b>	Chairperson: prof. Mladen Vukomanović & prof. Ana Skender ( <b>Hall P1</b> )
9.15 – 9.45	Ninoslav Holjevac, PhD PhD thesis requirements: Croatia, Scandinavia, Europe and wider
9.45 – 10.10	Gordana Hrelja Kovačević, prof. Ana Mandić Ivanković Assessing seismic vulnerability of existing bridges using fragility curves
10.10 – 10.35	Lucija Stepinac, prof. Ana Skender, prof. Josip Galić, prof. Domagoj Damjanović FRP pedestrian bridges – possibilities of design and optimisation
10.35 – 11.00	Romano Perić, prof. Mladen Vukomanović Standardization of project management services for public procurement contracting authorities in the Republic of Croatia
Coffee break: 11.00 – 11.30	
<b>II Sekcija 11.30 – 12.45</b>	Chairperson: prof. Tomislav Kišiček & prof. Ivan Duvnjak ( <b>Hall P1</b> )
11.30 – 11.55	Dominik Skokandić, PhD Doctoral dissertation based on international cooperation
11.55 – 12.20	Ivan Hafner, prof. Tomislav Kišiček Assessment of existing masonry structures: State of the art
12.20 – 12.45	Suzana Ereiz, prof. Ivan Duvnjak Hybrid model updating based on structural health monitoring in structural dynamics
Lunch break: 12.45 – 14.00	
<b>III Sekcija 14.00 – 16.00</b>	Chairperson: prof. Ana Baričević & prof. Marijana Serdar ( <b>Hall 121</b> )
14.00 – 14.25	Matea Flegar, prof. Marijana Serdar, Diana Londono-Zuluaga, PhD prof. Karen L. Scrivener Application of thermogravimetric analysis for characterization of clay as supplementary cementitious material (ONLINE PRESENTATION)
14.25 – 14.50	Ashfaqe Ahmed Jhatial, prof. Marijana Serdar, prof. Guang Ye Review on concrete under combined environmental actions and possibilities for application to alkali activated materials
14.50 – 15.15	Kiran Ram, prof. Marijana Serdar, Diana Londono-Zuluaga, PhD, prof. Karen L Scrivener Developing high-performance concrete using locally available materials
15.15 – 15.40	Antonino Runci, prof. Marijana Serdar Corrosion potential of steel embedded in alkali-activated slag
15.40 – 16.00	Ksenija Tešić, prof. Ana Baričević, prof. Marijana Serdar Condition assessment of concrete structures using ground penetrating radar (GPR)

Note for lecturers:

Time for presentation includes 5 minutes for questions and answers.

# 6. SIMPOZIJ DOKTORSKOG STUDIJA GRAĐEVINARSTVA

7. – 8. September 2020., Zagreb

Organizer: University of Zagreb Faculty of Civil Engineering

## SYMPOSIUM PROGRAM

### DAY 2 – TUESDAY, September, 8 2020.

<b>IV Session 09.00 – 10.40</b>	Chairperson: prof. <b>Goran Lončar</b> & prof. <b>Damir Bekić (Hall 121)</b>
9.00 – 9.25	<b>Damjan Bujak, PhD</b> <b>PhD experiences within a scientific project funded by the Croatian Science Foundation</b>
9.25 – 9.50	<b>Tin Kulić, prof. Damir Bekić, prof. Goran Lončar</b> <b>Model of sea circulation and transport of microorganisms in ports</b>
9.50 – 10.15	<b>Filip Kalinić, prof. Goran Lončar</b> <b>Morphodynamics and sustainability of the artificial gravel beach - the example of Ploče beach in Rijeka</b>
10.15 – 10.40	<b>Josip Husajina, prof. Damir Bekić</b> <b>Guidelines for defining a high-water hydrograph</b>
Coffee break: 10.40 – 11.15	
<b>V Session 11.15 – 12.30</b>	Chairperson: prof. <b>Domagoj Damjanović</b> & prof. <b>Mario Bačić (Hall 121)</b>
11.15 – 11.40	<b>Petra Žužul, prof. Meho Saša Kovačević</b> <b>Development of correlation for estimating maximum soil stiffness via cone penetration test (CPT)</b>
11.40 – 12.05	<b>Adrian Kadiri, prof. Mario Bačić</b> <b>Estimation of ground motion amplification for the case of Albania earthquake 26<sup>th</sup> November 2019 (ONLINE PRESENTATION)</b>
12.05 – 12.30	<b>Enes Krasniqi, prof. Domagoj Damjanović, prof. Naser Kabashi</b> <b>Flexural cracks in fibre-reinforced concrete beams with fibre-reinforced polymer reinforcing bars (ONLINE PRESENTATION)</b>
Lunch break: 12.30 – 14.00	
<b>VI Session 14.00 – 15.45</b>	Chairperson: prof. <b>Ivo Haladin</b> & prof. <b>Bojan Milovanović (Hall 121)</b>
14.00 – 14.25	<b>Arta Sylejmani, prof. Bojan Milovanović</b> <b>Cost-optimal thermal transmittance and energy performance of residential building in different cities in Kosovo (ONLINE PRESENTATION)</b>
14.25 – 14.45	<b>Ivana Vladić Kancir, prof. Marijana Serdar</b> <b>Potential of red mud as raw material for alternative binders in concrete</b>
	Presentation of additional education and training in 2019./2020.
14.45 – 15.05	<b>Katarina Vranešić</b> <b>Training at the Faculty of Electrical Science and Computer Engineering, TU Ostrava</b>
15.05 – 15.25	<b>Nikola Perković</b> <b>VETROLIGNUM presented at RiSE Postgraduate Research Conference</b>
15.25 – 15.45	prof. <b>Lana Lovrenčić Butković</b> <b>Cost-Benefit analysis of investment projects</b>
15.45 – 16.00	<b>Closing ceremony</b>

Note for lecturers:

Time for presentation includes 5 minutes for questions and answers.