

## PEOPLE, BUILDINGS AND ENVIRONMENT 2018

October 17 - 19, 2018, Brno, Czech Republic



# CONFERENCE PROGRAMME

## WEDNESDAY

17<sup>TH</sup> OCTOBER

17:30 – 20:30

Registration and Welcome Reception

## THURSDAY

18<sup>TH</sup> OCTOBER

9:30 – 10:30

Session A (Room no. 7)

10:30 – 11:00

Coffee Break (Conference centre foyer)

11:00 – 12:00

Session B (Room no. 7)

12:00 – 14:00

Lunch (Hotel restaurant)

14:00 – 15:15

Session C (Room no. 7)

Session D (Room no. 4)

15:15 – 15:45

Coffee Break (Conference centre foyer)

15:45 – 17:00

Session E (Room no. 7)

Session F (Room no. 4)

19:00

Gala Dinner (Středověká Krčma)

## FRIDAY

19<sup>TH</sup> OCTOBER

9:30 – 11:30

Excursion (Brno walk)

12:00 – 13:00

Lunch (Hotel restaurant)

\* Details of particular session are specified below. Programme changes reserved.

## WEDNESDAY, 17<sup>TH</sup> OCTOBER

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Registration and Welcome Reception in Hotel Continental (1<sup>st</sup> floor)

## THURSDAY, 18<sup>TH</sup> OCTOBER

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<b>A</b>	<i>Session</i>	<i>Chairman</i>	<b>T HANÁK</b>
		<i>Room</i>	<b>No. 7</b>
		<i>Theme</i>	<b>OPENING CEREMONY &amp; KEYNOTE LECTRES</b>
09:30	<i>Opening Ceremony (J KORYTÁROVÁ)</i>		
09:45	<b>J SMIRNOVS</b> <i>Road traffic safety in Latvia</i>		
10:05	<b>A CONSTANTIN</b> <i>Considerations on water pumping station operation in the context of sustainable development</i>		
10:25	<b>P ŠTĚPÁNEK, Rector of Brno University of Technology</b> <i>Welcome speech</i>		
10:30	<i>Coffee Break</i>		

<b>B</b>	<i>Session</i>	<i>Chairman</i>	<b>C SERRAT</b>
		<i>Room</i>	<b>No. 7</b>
		<i>Theme</i>	<b>ECONOMICS AND MANAGEMENT OF SUSTAINABLE CONSTRUCTION</b>
11:00	<i>Opening the Session</i>		
11:00	<b>P MESÁROŠ, J SMETANOVÁ, T MANDIČÁK</b> <i>The fifth dimension of BIM – implementation survey</i>		
11:15	<b>J NYSTRÖM</b> <i>Barriers for innovation in road construction – a technical consultant’s perspective</i>		
11:30	<b>K TIJANIĆ, M ŠOPIĆ, I MAROVIĆ, D CAR-PUŠIĆ</b> <i>analysis of the construction machinery work efficiency as a factor of the earthworks sustainability</i>		
11:45	<b>M JUSZCZYK</b> <i>Cost estimates of buildings’ floor structural frames with the use of support vector regression</i>		

<b>C</b>	<i>Session</i>	<b>D CAR PUŠIĆ</b>
	<i>Chairman</i>	
	<i>Room</i>	<b>No. 7</b>
	<i>Theme</i>	<b>ECONOMICS AND MANAGEMENT OF SUSTAINABLE CONSTRUCTION</b>
14:00	<i>Opening the Session</i>	
14:00	<b>S PETRUŠEVA, D CAR-PUŠIĆ, V ŽILESKA-PANČOVSKA</b> <i>Support vector machine based hybrid model for prediction of road structures construction costs</i>	
14:15	<b>E PLEBANKIEWICZ, K ZIMA, D WIECZOREK</b> <i>Scenarios for maintenance and building decommissioning in the building's life cycle</i>	
14:30	<b>P VAŘBUCHTA, V HROMÁDKA</b> <i>Index of Development and its Impact on Private Sector</i>	
14:45	<b>A TORRES, L ACOSTA, V GIBERT, C SERRAT, Z KREJZA</b> <i>Implementation of a Multiscale Predictive System of the Degradation of the Urban Front in Brno, Czech Republic</i>	
15:00	<b>M TUSCHER, O PŘIBYL, T HANÁK</b> <i>Influence of material composition of structures on the accuracy of flood loss evaluation</i>	
15:15	<i>Coffee Break</i>	

<b>D</b>	<i>Session</i>	<b>A CONSTANTIN</b>
	<i>Chairman</i>	
	<i>Room</i>	<b>No. 4</b>
	<i>Theme</i>	<b>WATER AND LANDSCAPE ENGINEERING</b>
14:00	<i>Opening the Session</i>	
14:00	<b>M MARKOVIĆ, P BEGOVIĆ, B IVANKOVIĆ, M ŠIPKA, D PEŠEVIĆ, M MARKOVIĆ</b> <i>Water resources in Bratunac municipality as an opportunity for irrigation in agriculture</i>	
14:15	<b>V ONDREJKA HARBULÁKOVÁ, M ZELEŇÁKOVÁ, M SUGAREKOVÁ</b> <i>Flood protection in municipalities in Presov region</i>	
14:30	<b>R SAZDEVIČIUS, A RADZEVIČIUS, B GJUNSBURGS</b> <i>Modelling the stability of Aleksotas Hill slope in Kaunas</i>	
14:45	<b>E SINGOVSKÁ, M BÁLINTOVÁ</b> <i>Enrichment factor and geoaccumulation index of trace metals in sediments in the River Hornad, Slovakia</i>	
15:00	<b>I MAROVIĆ, V BENAC, M VIŠKANIĆ</b> <i>Preliminary analysis of indoor temperatures and humidity in urban social housing</i>	
15:15	<i>Coffee Break</i>	

<b>E</b>	<i>Session</i>	<i>Chairman</i>	<b>M JUSZCZYK</b>
		<i>Room</i>	<b>No. 7</b>
		<i>Theme</i>	<b>ECONOMICS AND MANAGEMENT OF SUSTAINABLE CONSTRUCTION</b>
15:45	<i>Opening the Session</i>		
15:45	<b>Z SIGMUND, M RADUJKOVIĆ, I ZAVRŠKI</b>	<i>Barriers and incentives for extensive implementation of combined seismic and energy efficiency retrofits</i>	
16:00	<b>V HROMÁDKA, E VÍTKOVÁ, M NAVRÁTIL</b>	<i>Sustainable development in public investments</i>	
16:15	<b>L M ACOSTA, A TORRES, Z KREJZA, V GILBERT, C SERRAT</b>	<i>Exploring technological alternatives to the visual inspection method in the built environment</i>	
16:30	<b>D HRABINCOVÁ, G KOCOURKOVÁ, A TICHÁ, Z SEDLAŘÍKOVÁ, D LINKESCHOVÁ</b>	<i>Voluntary associations of municipalities as one of the technical infrastructure development instruments in CZ</i>	

<b>F</b>	<i>Session</i>	<i>Chairman</i>	-
		<i>Room</i>	<b>No. 4</b>
		<i>Theme</i>	<b>POSTER SESSION</b>
15:45	<i>Opening the Session</i>		
	<b>J TURKOVÁ, J KORYTÁROVÁ</b>	<i>Methods for Evaluation of WWTPs Environmental Impacts: A Review</i>	
	<b>A LEŠNIAK, F JANOWIEC</b>	<i>Railway construction investments in Poland – selected issues</i>	
	<b>Z KREJZA, L VAŇKOVÁ, M HALAMA, F SOFKA</b>	<i>Carbon footprint associated with construction industry and determination of its theoretical amount</i>	
	<b>P MESÁROŠ, M SPIŠÁKOVÁ, D MACKOVÁ</b>	<i>Analysis of safety risks on the construction site</i>	
	<b>Z BELJKAŠ, Ž PRAŠČEVIĆ, N IVANIŠEVIĆ, M KNEŽEVIĆ, M CVETKOVSKA</b>	<i>Application of Fuzzy Logic on Selection of Contractors for Construction of High Rise Buildings</i>	
	<b>L DIMEVSKA, M CVETKOVSKA, A T GAVRILOSKA</b>	<i>Energy efficiency and sustainability potential analysis of residential buildings according to their architectural, structural and thermal characteristics</i>	
	<b>R KOZIK</b>	<i>The process of the tender evaluation in public procurement for implementation of design documentation</i>	
	<b>M FEDORCZAK-CISAK, M FURTAK, E RADZISZEWSKA-ZIELINA</b>	<i>Certification of “Nearly Zero-Energy Buildings” as a Part of Sustainability</i>	
	<b>V BIOLEK, V DOMANSKÝ, M VÝSKALA</b>	<i>Interconnection of construction-economic systems with BIM in the Czech environment</i>	



Hotel Continental – Kounicova 6

Středověká Krčma – Náměstí Svobody 17