Scientific Symposium

Future Trends in Civil Engineering

17 - 18 February 2014

Zagreb, Croatia

Faculty of Civil Engineering, Kaciceva 26

Organizer University of Zagreb Faculty of Civil Engineering



Symposium programme – Day 1

08.00 – 09.00 REGISTRATION 09.00 – 09.15 OPENING CEREMONY ISession 09.15 – 10.45 Session Chair: Assistant Prof. Danijela Marcic 09.15 – 10.40 Session Chair: Assistant Prof. Danijela Marcic 09.15 – 10.00 Geotechnical challenges facing the designer of offshore foundations Dr. Kenneth Gavin School of Civil, Structural & Environmental Engineering, University College Dublin, Ireland 10.00 – 10.35 Current and future trends of geotechnical engineering in Croatia Prof. Meho Saas Kovacevic University of Zagreb, Faculty of Civil Engineering, Department of Geotechnical Engineering 10.35 – 10.45 Discussion Coffee break: 10.45 – 11.15 USession 11.15 – 12.45 Session Chair: Assistant Prof. Damir Bekic 11.16 – 12.00 Computational Fluid Dynamics - lustres and shadows Prof. Jerzy M. Sawicki Politechnika Gdańska, Faculty of Hydro and Environmental Engineering, Poland 12.00 – 12.35 Vision of civil and environmental engineering Prof. Zivko Vukovic University of Zagreb, Faculty of Civil Engineering, Department of Water Research 12.35 – 12.45 Discussion Lunch: 12.45 – 14.00 (Hall P2) III Session 14.00 – 14.45 Design of glass structures Prof. Juergen Neugebauer The University of Applied Sciences FH-Joanneum, Austria 14.45 – 15.20 New passenger terminal construction at Zagreb airport Prof. Jure Radic University of Zagreb, Faculty of Civil Engineering, Department of Structural Engineering 15.20 – 15.30 Discussion Coffee break 15.30 – 16.00 IV Session An engineering application of non-unique factorisation Associate Prof. Hans-Peter Schröcker University of Tagreb, Faculty of Civil Engineering, Department of Buildings 16.45 – 17.20 Building skin Dr. Silvio Basic University of Zagreb, Faculty of Civil Engineering, Department of Buildings 17.20 – 17.30 Discussion	Monday, Feb	oruary 17, 2014 – the Main Hall (amphiteater)	
New trends in GEOTECHNICAL ENGINEERING	08.00 - 09.00	REGISTRATION	
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	17.20 - 17.30	Discussion	

Symposium programme – Day 2

Tuesday Feb	www. 10, 201/ the Main Hell (amphitector)	
Tuesday, February 18, 2014 – the Main Hall (amphiteater)		
V Session 09.00 - 10.30	New trends in CONSTRUCTION MATERIALS Session Chair: Dr. Marijana Serdar	
09.00 - 9.45	Minimising carbon footprints of concrete construction	
	Prof.emeritus Ravindra K. Dhir OBE	
0.75 40.00	Director Applying Concrete Knowledge, UK	
9.45 – 10.20	Construction materials roadmap for R&D Prof. Ivana Banjad Pečur	
	University of Zagreb, Faculty of Civil Engineering, Department of Materials	
10.20 - 10.30	Discussion	
Coffee break: 10.30 – 11.00		
VI Session	New trends in CONSTRUCTION MANAGEMENT	
11.00 - 12.30	Session Chair: Prof. Ivica Završki	
11.00 - 11.45	Impact of BIM on construction field productivity	
	Prof. Miroslaw J. Skibniewski	
11 /5 10 00	University of Maryland, A.J. Clark School of Engineering, USA	
11.45 – 12.20	The world's leading standards of project management Prof. Mladen Raduikovic	
	University of Zagreb, Faculty of Civil Engineering, Department of Construction Management and Economics	
12.20 - 12.30	Discussion	
Lunch: 12.30 - 14.00 (Hall P2)		
VII Session	New trends in TRANSPORTATION INFRASTRUCTURE	
14.00 - 15.30	Session Chair: Prof. Tatjana Rukavina	
14.00 – 14.45	State of the art and new trends in GPR applications to transportation infrastructures	
	Prof. Andrea Benedetto	
14.45 – 15.20	University of Roma, Faculty of Civil Engineering, Italy	
14.45 - 15.20	From idea to new technologies in transportation infrastructures Prof. Stjepan Lakusic	
	University of Zagreb, Faculty of Civil Engineering, Department of Transportation Engineering	
15.20 - 15.30	Discussion	
Coffee break: 15.30 – 16.00		
VIII Session	New trends in MODELLING OF STRUCTURES	
16.00 – 17.30	Session Chair: Dr. Sanja Hak	
16.00 - 16.45	Experimental and numerical researches in support of seismic design of masonry buildings	
	Dr. Paolo Morandi University of Pavia, Department of Civil Engineering and Architecture, Eucentre, Italy	
16.45 – 17.20	Contemporary approaches to testing and modelling of structures	
10.40 17.20	Prof. Mladenko Rak	
	University of Zagreb, Faculty of Civil Engineering, Department of Engineering Mechanics	
17.20 - 17.30	Discussion	
17.30 - 17.45	CLOSING SYMPOSIUM	