

# MY FIRST CONFERENCE 2017

## PROGRAMME

September 28, 2017

8:30 – 17:25

8:30 – 8:40	<b>OPENING SESSION</b>	<b>Room P1</b>
8:40 – 9:15	<b>KEYNOTE SPEAKER</b>	<b>Room P1</b>
	I. Hreljac   <i>Author's rights in scientific publishing</i>	Chairmen: S. Grbčić, izv.prof.dr.sc. V. Travaš
9:15 – 10:30	<b>SESSION A</b>	<b>Room P1</b>
	1. S. Dobrila, N. Čeh, G. Jelenić <i>Experimental and numerical dynamic analysis of beam bridges subject to non-uniform seismic support excitation</i>	
	2. M. Perčić, S. Zelenika <i>Issues in characterizing parameters influencing nanometric friction</i>	
	3. M. Tuhtan, G. Jelenić <i>Rocking of the block due to base movement</i>	
	4. P. Gljuščić, S. Zelenika <i>Modelling, optimization and application of piezoelectric vibration energy harvesting devices</i>	
	5. S. Kvaternik, G. Turkalj, D. Lanc <i>Numerical buckling analysis of thin-walled frames with joint effect</i>	
10:30 – 11:00	<b>COFFEE BREAK</b>	<b>Cantina</b>
11:00 – 12:15	<b>SESSION B</b>	<b>Room P1</b>
	1. F. Torbarina, K. Lenić <i>Heat Transfer Fluid Storage in the Solar Collection Loop - The Storage Volume Impact on the Work Performance of a Solar Absorption Cooling System</i>	Chairmen: M. Jardas, doc.dr.sc. M. Valčić
	2. L. Baić, B. Đurin <i>Sizing of the Sustainable Irrigation System Driven by Solar Photovoltaic Energy and Wind by Using New Sizing Algorithm</i>	
	3. N. Vitali, J. Prpić-Oršić <i>Ship speed and fuel consumption: the effect of waves on ship and engine dynamics</i>	
	4. D. Glujić <i>Fuel cost analysis in new ship propulsion trends</i>	
	5. F. Žugčić <i>Cost-effectiveness of electric vehicles</i>	
11:00 – 12:15	<b>SESSION C</b>	<b>Room P2</b>
	1. H. Vido <i>Shear design and diagonal crack control of reinforced concrete beams</i>	Chairmen: S. Kvaternik, prof.dr.sc. G. Jelenić
	2. S. Piličić, M. Franulović, K. Marković <i>Procedure for modelling of soft tissues behavior</i>	
	3. S. Grbčić, G. Jelenić <i>Finite element analysis of a linear elastic micropolar continuum: development of membrane elements with linked interpolation</i>	
	4. N. Anđelić, M. Čanadija, Z. Car <i>Theoretical Investigation of Nanoelectromechanical Resonator for detection of Nanoparticles Based on Simply Supported Single Layer Graphene Sheet using non-local theory of elasticity</i>	
	5. T. Rukavina, A. Ibrahimbegovic, I. Kozar <i>Modelling fibers in concrete using the XFEM methodology</i>	

12:15 – 13:45	<b>LUNCH</b>		<b>Cantina</b>
13:45 – 15:00	<b>SESSION D</b>	Chairmen: T. Rukavina, izv.prof.dr.sc. I. Štajduhar	<b>Room P1</b>
	1. A. Vranković, T. Galinac Grbac <i>Preparation for replicating empirical study of a selection method for software reliability growth models</i>		
	2. M. Jardas, K. Ivanić, P. Badurina Tomić <i>Application of "Internet of things" in logistics processes</i>		
	3. S. Grbac Babić, T. Galinac Grbac <i>Community detection for software-systems in evolution</i>		
	4. T. Arrigoni, S. Zelenika, E. Kamenar, T. Schnurrer Luke Vrbanić, K. Lenac <i>Issues in the mechatronics design of a full arm rehabilitation device</i>		
	5. V. Vujnović <i>Muon g-2 experiment: precise measurement which could lead to new physics</i>		
13:45 – 15:00	<b>SESSION E</b>	Chairmen: F. Torbarina, prof.dr.sc.T. Mrakovčić	<b>Room P2</b>
	1. V. Medica-Viola, B. Pavković, V. Mrzljak <i>Coal-fired power plant condenser numerical model for on-condition monitoring</i>		
	2. R. Ljubek, A. Trp, K. Lenić <i>Numerical analysis of shell and tube heat exchanger</i>		
	3. L. Zaharija, V. Travaš <i>Numerical Model of Natural Convection in the Artificial Lake Butoniga</i>		
	4. M. Kirinčić, A. Trp <i>Numerical Analysis of the Influence of Natural Convection on Melting and Solidification of Paraffin</i>		
15:00 – 15:30	<b>COFFEE BREAK</b>		<b>Cantina</b>
15:30 – 16:45	<b>SESSION F</b>	Chairmen: N. Vitali, doc.dr.sc. G. Vukelić	<b>Room P1</b>
	1. S. Kuzma, V. Travaš <i>Physical Model of Discharge Structure at Rječina River near the Zvir Water Source</i>		
	2. S. Baltić, A. Frohner, I. Stimac Grandić <i>Determination of force coefficients for wind force calculation by Computational Fluid Dynamics</i>		
	3. F. Ledić, Z. Čarija, B. Niceno <i>Simulation of the turbulent fluid flow and mixing in a nuclear reactor model – ROCOM</i>		
	4. I. Pejić, V. Travaš <i>A Modern Replica of Darcy Experimental Apparatus &amp; Experimental Study of Infiltration Dynamics</i>		
	5. D. Brusić, V. Travaš <i>A Numerical Study of Kinematic Properties of the Flow inside Hydraulic Jumps</i>		
16:45 – 17:15	<b>KEYNOTE SPEAKER</b> G. Madhale Jadav   <i>BCI communicator - A qualitative and quantitative analysis of the communication interface</i>		<b>Room P1</b>
17:15 – 17:25	<b>CONFERENCE CLOSING</b>		<b>Room P1</b>