

CONFERENCE PROGRAMME

8:30-9:00	REGISTRATION & refreshments	FACULTY HALL	
9:00-9:15	CONFERENCE OPENING	P1-P2	
9:15-9:45	KEYNOTE SPEAKER D. Sc. Marko Perčić Characterization of Parameters Influencing Friction in the Nanometric Domain	P1-P2	
10:00 – 11:30	SECTION 1A ROOM P1	SECTION 1B	ROOM P2
	CHAIRMEN: Martin Zlatić & Valentina Šutalo	CHAIRMEN: Jug Drobac & Ana Grbčić	
	Schira, Sagaseta: <i>Estimation of the dynamic reaction coefficients and single-degree-of-freedom factors</i>	Kirinčić, Trp: <i>Numerical analysis of the influence of baffles on heat transfer and pressure drop in a shell-and-tube heat exchanger</i>	
	Canjuga, Alvir, Martinić, Prikratki, Kinkela, Franulović: <i>Steering system for RRC6 parts analysis and testing</i>	Plantak, Đurin: <i>Analysis and improvement of existing sizing methods of the hybrid system “Mini hydropower plant-solar photovoltaic system”</i>	
	Liović, Franulović, Kozak: <i>Modeling of elastoplastic behaviour of additive manufactured titanium alloys</i>	Torbarina, Lenić, Bonefačić: <i>Thermodynamic analysis of air source compression heat pump</i>	
	Dundović, Marković, Franulović, Vrcan: <i>Evaluation of photoelastic methods for stress analysis on additively manufactured models</i>	Bigor, Đurin: <i>Insight into design and shapes of the fish passages and entrance protection construction at micro hydro power plants</i>	
	Jović, Tijan: <i>The role of electronic transportation management systems in maritime transport sector</i>	Batista, Trp: <i>Optimization of fin-and-tube heat exchanger by response surface methodology and genetic algorithm</i>	
11:30-12:00	CLEANING BREAK		
12:00-13:30	SECTION 2A ROOM P1 & refreshments	SECTION 2B	ROOM P2 & refreshments
	CHAIRMEN: Mateo Kirinčić & David Liović	CHAIRMEN: Dunja Legović & Ivana Pranjić	
	Drobac, Štimac Grandić: <i>Checking the limit state of vibrations on two pedestrians’ bridges in Rijeka</i>	Krišković, Mohović R, Ivče, Mohović Đ., Rudan: <i>Optimization of vessel mooring system at container terminals in circumstances when the length of quay is equal to the length of the vessel</i>	
	Tomec, Jelenić: <i>Beam analysis: a geometrically exact static and a linear dynamic three-dimensional case</i>	Babeli, Hess: <i>Capacity planning at the container terminal of the port of Rijeka as multiphase service process</i>	
	Zlatić, Čanađija: <i>Novel methods of describing mechanical behaviour through machine learning</i>	Njegovan, Šutalo: <i>Exploitation of high-speed ships in domestic voyages</i>	
	Nikolić, Štajduhar, Čanađija: <i>Aluminum microstructure inspection using deep learning: a conventional neural network approach toward secondary dendrite arm spacing determination</i>	Grbčić, Hess: <i>Passengers’ seasonal distribution analysis at Croatian airports</i>	
	Vizentin, Vukelić: <i>Compressor pressure vessel failure investigation</i>	Brezac: <i>SOLAS 2020 implementation in shipbuilding software</i>	

13:30-14:00	CLEANING BREAK			
14:00-15:30	SECTION 3A & refreshments	ROOM P1	SECTION 3B & refreshments	ROOM P2
	<p>CHAIRMEN: Goran Mauša & Marin Grbac</p> <p>Hrzić, Štajduhar: <i>Deep learning approach for ulna and radius bones fracture segmentation on pediatric X-ray images</i></p> <p>Bašić-Šiško: <i>Compressible micropolar fluid flow – solvability of the model</i></p> <p>Škifić, Zelenika: <i>Forearm and wrist active rehabilitation device</i></p> <p>Bazina, Kamenar, Zelenika: <i>Upper limb mechatronics rehabilitation device</i></p> <p>Kabashi, Bajoku: <i>Repair principles for corrosion-damaged reinforced concrete structures</i></p>		<p>CHAIRMEN: Ivan Volarić & Karla Babeli</p> <p>Baressi Šegota, Anđelić, Mrzljak, Car: <i>Fault detection in robotic manipulators using support vector machines</i></p> <p>Musuljin, Smolčić, Car: <i>Bladder cancer recognition using sift and surf features</i></p> <p>Štifanić, Miočević, Car: <i>Forecasting stock index movement using stationary wavelet transform and long short-term memory network</i></p> <p>Lorencin, Španjol, Gršković, Car: <i>Diagnostic of bladder cancer using hybrid neural networks based on edge detectors</i></p> <p>Liverić, Štic, Smokvina Hanza, Iljkić: <i>Corrosion behaviour of annealed 42CrMo4 steel</i></p> <p>Randić, Pavletić: <i>Measuring of the geometry parameters of the butt weld surface</i></p>	
15:30	CONFERENCE CLOSING			

The papers presented at the 4th My First Conference are available at the following web site:

<https://mfc.uniri.hr/book-of-abstracts/>

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