

International Mechatronics Students micro-Conference - 2023**Program**

08:30 – 09:30	Registration		Lobby of BGK,		
	<p>During the registration the presentations should be copied to the Laptops to be used for presentations (or you can use own Laptop). Conference laptops using Microsoft Office 10 and Win10 SW- package The conference is also available ON-LINE in form of Video-Bridge between Óbuda University and University of Montenegro:</p>				
09:30 – 09:45	Welcome speeches		2nd Floor Room j200		
	<p>Available On-Line: https://bbb2.banki.hu/b/drn-5mu-v84-rwm Conference Committee, Representative of Obuda University, Representative of University Donja Gorica, Montenegro (on-line). Other Representatives</p>				
09:45 – 10:00 Morning Coffee Break					
Parallel Session #1 – Mechatronics, Bionics, AGVs, Soft-Computing			2nd Floor j200 a.)		
	Session Chair: István Nagy		Lang.	Novel.	Style
10:00 – 10:15	1	Réka V. Sallay, A. Őszki: Brainwaves in Biometric Identification: A Theoretical Framework			
10:15 – 10:30	2	B. Csóka, D. K. Kovjanic: Mechatronics systems in Rollercoasters			
10:30 – 10:45	3	R. Alsalti, L. Ghanam: BRAIN INTERFACES AND ITS APPLICATION IN BIONIC PROSTHESIS			
10:45 – 11:00	4	L. Lichtenstein, D. Hoffmann: Navigating the Depths and Beyond: Robotics and Autonomous			
11:00 – 11:15	5	H. Safarpour, A. Burabayeva: Comparing Neural Network and Genetic Algorithm			
11:15 – 11:30	6	S. Rasulov, A. Yusubov: Convolution Calculation and CNN			
11:30 – 11:45	7	K. Mikhaeil, R.A. Bameftah: Convolutional Neural Networks (CNNs): Revolutionizing Image Analysis			
Parallel Session #2 - Mechatronics – Intelligent Systems, Bio-mechatronics			2nd Floor j200 c.)		
	Session Chair: András Frigyük On-Line Session		Lang.	Novel.	Style
10:00 – 10:15	1	D.S. Miguel, R.F.C. Miguel: MOST MODERN SENSORS AND ACTUATORS USED IN FIELD VEHICLES			
10:15 – 10:30	2	M. Wittrock, M. Dunkelberg: CURRENT TECHNOLOGIES AND IMPROVEMENTS TO SLEEP WARNING SYSTEM IN VEHICLE			
10:30 – 10:45	3	E. Gjeka: Application of Random Walk			
10:45 – 11:00	4	S. Medojevic: Stochastic Models of Intracellular Transport			
11:00 – 11:15	5	E. Trubljanin: Evaluating and Enhancing Spine Deformity Detection Models			
11:15 – 11:30	6	T. Tornai, I. Fürstner: Servo motor control possibilities using serial and ethercat communication			
11:30 – 11:45	7	T. Rackovic: Monte Carlo Methods and Application in Bioinformatics			
	The Session is available On-Line: https://bbb2.banki.hu/b/drn-5mu-v84-rwm				
Parallel Session #3 – EV, HEV Vehicles, Drones,			2nd Floor j200 b.)		
	Session Chair: Ildikó Molnár		Lang.	Novel.	Style
10:00 – 10:15	1	L. Vovdenko, D. Dravetz: Electric Vehicle Conversions			
10:15 – 10:30	2	G. Creamer: A Modular Chassis for a New Age of Automobiles			
10:30 – 10:45	3	A. Bagoudinova, G. Ganbat: Internal Navigational System in Aircraft			
10:45 – 11:00	4	A. Davutgeldi: Industrial Robot Arm			
11:00 – 11:15	5	C. Assim & Ibrahim, M.S. Mamadou: MECHATRONICS IN			

		AGRICULTURE (SMART SYSTEM OF IRRIGATION)			
11:15 – 11:30	6	J. Schouten, G. Jacobs, B. Derks: Automated Guided Vehicle in Logistic			
12:00 – 13:00 Lunch Break					
13:00 – 13:30	Awarding the best presenters!				2nd Floor Room j200
	Conference Closing				
<i>Available On-Line: https://bbb2.banki.hu/b/drn-5mu-v84-rwm</i>					

The presentations are evaluated, based on. Lang-**language**; Novel-**novelty** and **Style** of presentation. The evaluations are between: **1-100**