

International Mechatronics Students micro-Conference - 2022

Program

08:30 – 09:30	Registration		Lobby of BGK,		
	<p><i>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: Available On-Line: https://bbb2.banki.hu/b/drn-jtg-ti6-slx</i></p>				
09:30 – 09:45	Welcome speeches		Ground Floor Room 45		
	<p>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, Vehicle Eng., AGVs			Ground Floor 45		
	Session Chair: István Nagy		Lang.	Novel.	Style
10:00 – 10:15	1	W. Davies, M. Jovice: Safety in Woodworking Industries			
10:15 – 10:30	2	B. Kertész, B. Wunderlich: Mechatronics in Aeronautics – The Use of Mechatronics in Commercial Airlines			
10:30 – 10:45	3	Y. Kenzhetayev: Mobile Robot Controlled via VR Head Mounted Device			
10:45 – 11:00	4	Al-M. Yahja: Mechatronics in Vehicle Engineering, Engine Management System			
11:00 – 11:15	5	B.M. M. Mabrook: RFID for People in Universities			
11:15 – 11:30	6	R. Zs. Fülöp, V. Rosic: Mineral Scanning with Space Rovers			
11:30 – 11:45	7	S.H. M. Saed: Mechatronics Education, The „V” and „W” models of Mechatronic Teaching			
11:45 – 12:00	8	S. Cabo: Sensors, Drivers and Actuators Used in Mechatronic Systems			
12:00 – 12:15	9	S. Chanthana: Mechatronics in Vehicle Engineering			
12:15 – 12:30	10	S. Hadarah: Mechatronics			
	The Session is available On-Line: https://bbb2.banki.hu/b/drn-jtg-ti6-slx				
Parallel Session #2 - Mechatronics – Intelligent Systems, Mathematics			1st.Fl. Room 113		
	Session Chair: András Frigyik		Lang.	Novel.	Style
10:30 – 10:45	1	V. Colovic: Time Series Analysis of Air Pollution in Niksic Using ARMA Model			
10:45 – 11:00	2	I.Savic: Analysis of the Concentration of PM2,5 Particles in the Podgorica			
11:00 – 11:15	3	K. Nikolic: Concentration of PM10 Particles in Niksic, using a Linear Polynomial Model (LPM)			
11:15 – 11:30	4	T. Rackovic: ARMA Model Application to Air Pollution Data in Montenegro			
11:30 – 11:45	5	M. Kosovic: Analysis of PM10 and NO2 Particles in Podgorica			
11:45 – 12:00	6	T. Muratovic: Time Series Analysis of Air Pollution in Podgorica Using ARMA Model			
12:00 – 12:15	7	E. Trubljanin: Markov Chain in Time Series Forecasting – (on-line)			
12:15 – 12:30	8	S. Medojevic: Generating Text Using Markov Chains Applied to William Shakespeare’s Poems – (on-line)			
	The Session is available On-Line: https://bbb2.banki.hu/b/drn-k72-ay2-tzr				
Parallel Session #3 – Fuzzy Systems, EV, HEV Vehicles, Drones, Bionics			1st.Fl. Room 111		
	Session Chair: Judit Lukács		Lang.	Novel.	Style
10:30 – 10:45	1	Á. Rácz, M. Herbszt: EV, HEV and PHEV Vehicles: ADAS System, Working Principles, Applications and Categories			
10:45 – 11:00	2	A.M. Jehad: Agriculture Drones			
11:00 – 11:15	3	A.M.J. Khlefa: Agricultural Drones for Normalized Difference Vegetation Index (NDVI)			
11:15 – 11:30	4	G. Bolgárfalvi, L. Bodrogai: Bionics, Hands and Interfaces			

11:30 – 11:45	5	A.Stijepovic, U. Sredovic: Fuzzy Logic in Drone Controls			
11:45 – 12:00	6	R.D. Gómez, E. Calderale: Intelligent Mechatronic Systems, Fuzzy Based Control Systems in Mechatronics			
12:00 – 12:15	7	L. Ccamara: Biometric Sensors, Fingers			
		The Session is available On-Line: https://bbb2.banki.hu/b/drn-oof-cnt-sqi			
12:45 – 13:45 Lunch Break					
13:45 – 14:00	Awarding the best presenters!				Ground Floor Room 45
	Conference Closing Available On-Line: https://bbb2.banki.hu/b/drn-jtg-ti6-slx				

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