

International Mechatronics Students micro-Conference - 2024

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 <i>Video-Bridge</i> between Óbuda University, and/or VTS Subotica, UDG Montenegro:</i></p>				
09:30 – 09:45	Welcome speeches		2nd Floor Room j200		
	<p>Available On-Line: https://bbb2.banki.hu/b/drn-jx4-rrn-ewd Conference Committee, Representative of Obuda University, Optionally: Representative of University Donja Gorica, Montenegro (on-line). Other Representatives, e.g.: VTS Subotica.</p>				
		09:45 – 10:00 Morning Coffee Break			
Parallel Session #1 – Mechatronics, Bionics, AGVs, Soft-Computing			2nd Floor j200 a.)		
	Session Chair: Ildikó Molnár		Lang.	Novel.	Style
10:00 – 10:15	1	Molnár, B.M. Tóth: Wiring Harness design for Formula Student Race-car with Cost-effective Tools			
10:15 – 10:30	2	J.L.M. Duval, S. Ebrar: Development of a Connected Badge Reader System Using Raspberry Pi, RFID, and Remote IoT			
10:30 – 10:45	3	L. Ladics, N Regdony: Mechatronics in Vehicle Engineering: Applications in EV, HEV Vehicles			
10:45 – 11:00	4	D. Zhengisbekov: EV, HEV Vehicles			
11:00 – 11:15	5	A. Gutnik, A. Shaimukhamet: Mechatronic Systems in Car			
11:15 – 11:30	6	E. Vidhaj: Mechatronics in Airlock Systems			
11:30 – 11:45	Coffee Break (if it is needed)				
11:45 – 12:00	7	P.M. Hörnyék: Mars Rovers, a Historical Survey			
12:00 – 12:15	8	M. Boubaker, J. Oumayma: Aeronautics in Vehicle Engineering			
12:15 – 12:30	9	Anas, A.A. Wael: Mechatronics in the Food Industry: Enhancing Safety, Efficiency, and Sustainability			
12:30 – 12:45	10	Al-Dagreer, T. Erdenebayar: Mechatronics in Aviation: Enhancing Modern Aircraft Systems			
12:45 – 13:00	11	Amanova, M. Nader: Ocean Plastic Collector Robot			
13:00 – 13:15	12	J.Knoll, P. Kamberger: Alternative propulsion Systems for Aircrafts			
Parallel Session #2 - Mechatronics – Intelligent Systems, Bio-mechatronics			2nd Floor j200 c.)		
	Session Chair: István Nagy		Lang.	Novel.	Style
10:00 – 10:15	1	Á.N. Hampton, M. Trifunovic: Mechatronics Systems in Self Balancing Personal Transportation Systems			
10:15 – 10:30	2	A.S.A. Boshra, R. Szarka: The Role of Mechatronics in Submarine Surveillance System and Targeting			
10:30 – 10:45	3	E. Berrou: BCIs: Technical Foundations and Clinical Applications			
10:45 – 11:00	4	H.Q Safa Issam, F.H.M. Abushindi: Data Logging and acquisition in Motorsport through the lens of Mechatronics Engineerings			
11:00 – 11:15	5	S. J. Jingtol, E. Ercin: Automated Quality Control Systems with Machine Vision			
11:15 – 11:30	6	M. Kovjanic, Y.A.F. Massaud: The evolution of Biomechatronics			
11:30 – 11:45	Coffee Break (if it is needed)				
11:45 – 12:00	7	R. Osvai: Nanotechnology Used in Healthcare (Nanomedicine)			
12:00 – 12:15	8	Z.Zs. Jéga-Szabó: Mechatronics of Maritime and River Vehicles			
12:15 – 12:30	9	D. Kubanov, T. Kushmagambetov: Mechatronics in Forestry and Agriculture			
12:30 – 12:45	10	L. Krijgsman, R. Bolatbek: The Role of IoT in Mechatronics:			

		Transforming Modern Engineering			
12:45 – 13:00	11	G. Angjushev: Radio Frequency Communication Protocols			
13:00 – 13:15	12	H. MhD. S. Dana, M. S. Sandy: Mechatronics for a Sustainable Environment			
		The Session is available <i>On-Line:</i> https://bbb2.banki.hu/b/drn-jx4-rrn-ewd			
13:30 – 14:00					
Awarding the best presenters!					
Conference Closing					
<i>Available On-Line:</i> https://bbb2.banki.hu/b/drn-jx4-rrn-ewd					
					2nd Floor Room j200

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