

International Mechatronics Students micro-Conference - 2021

Program

09:00 – 10:00	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).</i> <i>Conference laptops using Microsoft Office 10 and Win10 SW- package</i> The conference is also available ON-LINE in form of Video-Bridge between Óbuda University and University of Montenegro: https://bigblue.banki.hu/b/drn-fd5-xvc-tkd</p>				
10:00 – 10:15	Welcome speech		Ground Floor Room 45		
	<p>Conference Committee, Representative of Obuda University, Representative of University of Montenegro (on-line).</p>				
10:15 – 10:30	Introduction		Ground Floor Room 45		
	<p>Session Chair: István Nagy</p> <p>István Nagy: Mechatronics at Óbuda University, Past, Present and Future</p>				
10:30 – 10:40 Morning Coffee Break					
Parallel Session #1 – Mechatronics - Robotics			Ground Floor 45		
	Session Chair: István Nagy		Lang.	Novel.	Style
10:40 – 10:55	1	M. Rašković; I. Knežević; N. Pudar; L. Mrdović: Torque Measurement Using Code Discs and Optical Forks on Ship's Propeller Shafts			
10:55 – 11:10	2	V. Danrley; G. Arias: Fire-fighting Robots			
11:10 – 11:25	3	A. Soualhia; Ch. Ranim: Surgery Robots			
11:25 – 11:40	4	B. Marosvölgyi; M. Z. Turán: Sensors and Actuators on the Mars Rovers			
11:40 – 11:55	5	E. Bayanbileg; A. Stan: Mechatronics in the Airport			
11:55 – 12:10	6	I. Mwenesi: Mechatronics in Aeronautics, Space-X, Mars and the Future			
	The Session is available ON-LINE: https://bigblue.banki.hu/b/drn-fd5-xvc-tkd				
Parallel Session #2 - Mechatronics – Intelligent Systems			1st.Fl. Room 110		
	Session Chair: András Frigyük		Lang.	Novel.	Style
10:40 – 10:55	1	Y. Kenzhetayev: Development of Facial Recognition Algorithm			
10:55 – 11:10	2	Cs. Kónya: Missing Laser Sensor Data Calculation Using Adaptive Neuro-Fuzzy Inference System in Matlab			
11:10 – 11:25	3	K. Haber, I. Nagy: Numeric and Neural Network Solution to the Problem of Inverse Kinematics in Robotics			
11:25 – 11:40	4	E. Ugur; N. Raesa: Brain Computer Interface (BCI) - The Future of Prosthetics			
11:40 – 11:55	5	K. Fábrián: Fuzzy Logic in Mobile Autonomous Robot Systems			
11:55 – 12:10	6	The Session is available ON-LINE: https://bigblue.banki.hu/b/drn-gtt-02l-r44			
Parallel Session #3 – Vehicle Engineering			1st.Fl. Room 111		
	Session Chair: Róbert Szabolcsi		Lang.	Novel.	Style
10:40 – 10:55	1	S. M. Worku; T. Szakács: Modelling of Automatic Car Braking System Based on Fuzzy Logic Controller			
10:55 – 11:10	2	M. A. Asres; T. Szakács: An Embedded Fuzzy Logic Application for Density Traffic Control in Urban Environment			
11:10 – 11:25	3	R. V. Sallay; J. Z. Lakos: Human Eye sensors Used in Vehicle Engineering			
11:25 – 11:40	4	A. Abdel—Wahab; N. Khalifa: Electronic Control Unit (ECU) and Wheel Speed Sensor (ABS)			
11:40 – 11:55	5	S. Chanthana: Mechatronics in Vehicle Engineering			
11:55 – 12:10	6	The Session is available ON-LINE: https://bigblue.banki.hu/b/drn-3pl-kkh-man			
12:10 – 12:40 Lunch Break					
12:40 – 13:00	Awarding the best presenters!				Ground Floor Room 45
	Conference Closing				

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