

## International Mechatronics Students *micro*-Conference

### Program

09:00 – 10:00	<b>Registration</b>		Lobby of BGK,
	<i>During the registration the presentations should be copied to the Laptop to be used for presentation (or you can use own Laptop). (Conference laptop using Microsoft Office 10 and Win10 SW- package)</i>		
10:00 – 10:10	<b>Welcome speech</b> <b>Conference Committee,</b> <b>István Nagy</b>		Room Gr.Fl. 45
10:10 – 10:30	<b>Plenary Session</b> Session Chair: <b>prof. Dr. László Pokorádi</b>		Room Gr.Fl. 45
	<b>J. Maczenkó: Industry 4.0 and its challenges, regarding PLC Technology</b> <b>Plenary Session</b>		
	<b>10:30 - 10:45 Coffee Break</b>		
	<b>Morning Session</b>		
	Session Chair: <b>Dr. István Nagy</b>		
10:45 – 11:00	1	<b>S. Kocak: MATLAB SIMULATION OF FUZZY RULE-BASED AIR CONDITIONER CONTROL</b>	
11:00 – 11:15	2	<b>A.Algarab; P.A.J.Kwabena: THE ADVANTAGES AND DISADVANTAGES OF FIBER OPTIC CABLES</b>	
11:15 – 11:30	3	<b>O.Brigán; V.L. Asztahov; Zs Hajdu: BIO-MECHATRONICS, BIONICS focused on the human Ear and Hands</b>	
11:30 – 11:45	4	<b>B. Beszéds: Error Prediction in High Reliable Off-grid Power Management Systems</b>	
11:45 – 12:00	5	<b>T. Tóth: Range extension with Solar Panel</b>	
12:00 – 12:15	6	<b>A.E. Fekete; D.Matis: BIO MECHATRONICS, BIONICS with examples</b>	
12:15 – 12:30	7	<b>Z. Krajcsík; Z. Szakács: MECHATRONICS IN VEHICLE ENGINEERING: PERFORMANCE AND SAFETY</b>	
12:30 – 12:45	8	<b>P.A.J. Kwabena: NANO MEDICINE</b>	
	<b>12:45 – 13:15 Lunch Break</b>		
	<b>Afternoon Session</b>		
	Session Chair: <b>Tóthné dr. Edit Laufer</b>		
13:15 – 13:30	1	<b>M. Al-Bkri : MEMS application in vibrations analysis</b>	Room Gr.Fl. 45
13:30 – 13:45	2	<b>B. Szpisják: Basics to exoskeleton</b>	
13:45 – 14:00	3	<b>Y. Moukdad; R. Moukdad: Actuators used in Mechatronic Systems</b>	
14:00 – 14:15	4	<b>A. Jaiswal: A Drum playing Robot</b>	
14:15 – 14:30	5	<b>A. Olufemi; P. Szemes: Autonomous control of greenhouse using Labview</b>	
14:30 – 14:45	6	<b>B. Dániel: BIO-MECHATRONICS, BIONICS - prostheses</b>	
14:45 – 15:00	7	<b>B. Valcsák: GEOMETRIC DETERMINATION OF INVERSE KINEMATIC OF PARALLEL ROBOTS</b>	
	<b>15:00 – 15:15 Coffee Break</b>		
	<b>Closing Ceremony</b>		
	<b>Awarding of the best presenter!</b>		
	<b>Conference Closing</b>		