

International Mechatronics Students micro-Conference – Program

10:00 – 11:00	Registration		Lobby of BGK,
11:00 – 11:10	Welcome speech <i>prof. Dr. Pál Rácz</i>		Room 252
	Parallel Morning Session - 1 Session Chair: <i>dr. E. Tóth-Laufer</i>		Room 145
11:10 – 11:30	1	Smart Home (home automation) <i>Béla Bartha, Gábor Sándor</i>	
11:30 – 11:50	2	Exoskeletons <i>Dóra Balogh, Andrew Andraws, Szilárd Tuloki</i>	
11:50 – 12:10	3	Robotic Prostheses <i>Márk Tábori</i>	
12:10 – 12:30	4	Motion Tracking Applied to Serious Games <i>Manuella Soares de Andrade, Moura Leite</i>	
12:30 – 12:50	5	Biomechatronics in Our Bodies <i>Ádám Suták, Ádám Agócs</i>	
12:50 - 13:10	6	Biomechatronics <i>Dániel Lippai, Sándor Szőke</i>	
	Parallel Morning Session - 2 Session Chair: <i>dr. I. Nagy</i>		Room 252
11:10 – 11:30	1	Mechatronics in Vehicle Engineering-1 <i>Péter Lengyel, Bálint Radócz</i>	
11:30 – 11:50	2	Mechatronics in Vehicle Engineering-2 <i>Botond Dobos, Róbert Schrikk</i>	
11:50 – 12:10	3	Mechatronics in Vehicle Engineering-3 <i>Lucas Neves Silva, Jean Carlos Brocco</i>	
12:10 – 12:30	4	ROBOTINO, Camera Picture Processing <i>Lucas MEscuita Diniz, Henrique Venga Cardoso</i>	
12:30 – 12:50	5	ROBOTINO's Obstacle Detection Improvement <i>Joao Luiz de Aquino, Freitas Lopes</i>	
12:50 – 13:10	6	ROBOGUIDE – an Introduction to Simulation Program and Teach Pendant <i>Marília Cavalcanti, Clayton Souza</i>	
Lunch and Fresh Break			Room 252
	Parallel Afternoon Session - 1 Session Chair: <i>dr. P. Rácz</i>		Room 145
14:10 – 14:30	1	Microprocessors, HW of Microprocessors & Microcontrollers <i>Bendegúz Katona, Bence Örlös</i>	
14:30 – 14:50	2	Sensors Actuators Used in Mechatronics <i>Tamás Faitli, Ádám Dávid</i>	
14:50 – 15:10	3	Ultrasonic Sensor Sensing Scanning by Microcontroller <i>Gustavo Rodrigo, Kerkhoff Assmann, Marcelo Vansovsky de Melo</i>	
15:10 – 15:30	4	Welding Robot Sensors <i>Joao Vitor Martins Rodrigues Pereira, Ricardo do Amaral Oliveira</i>	
15:30 – 15:50	5	Conveyor Control Project <i>Máté István Putcz</i>	
15:50 – 16:10	6	Soft Robotics <i>Andor Bánhidly</i>	
16:10 – 16:30	7	How Photocopiers Works <i>Mátyás Varga</i>	

	Parallel Afternoon Session - 2 Session Chair: A. Dineva		Room 252
14:10 – 14:30	1	Nano-Mechatronics László Senkár	
14:30 – 14:50	2	Multirate / Multistage Digital Signal Processing Aldair Silva, Halesson Szymanski	
14:50 – 15:10	3	Iris Recognition Alex Henrique Coutinho Santos, Victoria Regina Mentoca	
15:10 – 15:30	4	Programming of Yamaha Robot-Arm Through LabView Átila Weis, Felipe Pessoa	
15:30 – 15:50	5	Analog to Digital Converters in Mechatronic Systems Máté Friedrich, Daniel Bagdy	
15:50 – 16:10	6	Painting Robots in the Car Industry Péter Malík	
16:10 – 16:30	7	Robot Grippers Douglas Daniel Elias Santos, Camille Carlos Carvalho	
16:15 – 16:30	Closing Ceremony		Room 252