

PROGRAM

Thursday, May 4. Subotica Tech,

Event	Room	Time
Registration – Talk with Sponsors	Hall	9:00 - 9:45
Conference Opening Session	A0	10:00 - 10:15
István Nagy - <i>Advanced Mechatronics Education Concept Design at Bánki Faculty of Óbuda University</i>		10:15 - 10:30
Workshop Session	A0	10:30 – 12:15
Robert Kláčak (FANUC Adria) – <i>Working hand in hand: The present and Future of the Industrial and Collaborative Robotics</i>		10:30 - 11:15
Lóránt Horváth (Process Automatika) - <i>PASS The new generation of SCADA</i>		11:15 - 11:45
Zsolt Varga (Dunkermotoren) – <i>Smart motors, the future of servo systems</i>		11:45 - 12:15
Group Photo		12:15
Lunch	Hall	12:30 - 13:30
Conference Session I	206	13:30 - 15:30
Coffee Break	Hall	15:30 - 16:00
Conference Session II	206	16:00 - 18:00
Conference Gala Dinner (Hotel Galleria, Restaurant Panorama)		19:00-24:00

Friday, May 5. Subotica Tech,

Event	Room	Time
Student and Poster Session	Hall	10:00 - 11:00
Lunch and Excursion (Lake Palic)		11:00 – 15:30
Conclusions and Conference Closing Ceremony		14:00

Sponsors and Partners:



Conference Session I

Chair: Dalibor Dobrilovic, Laslo Tarjan	Time
Zoltan Gobor - Finding the convex or non-convex hull of a random number of vertices – simple task?	13:30
Attila Trohak and David Kiss - Development of a go-kart based autonomous vehicle	13:45
Sergiu-Dan Stan, Alin Plesa, Emil Teutan and Mircea Bara - Control and Testing of a New Soft Pneumatic Gripper with Optimised Design for Soft Robotics	14:00
Laszlo Schaffer, Szilveszter Pletl and Zoltan Kincses - Implementation of an FPGA-based actual observer for active suspension control	14:15
Ferenc Farkas, Tamas Molnar - The changing of the landfill gas quality parameters in the function of applied depression	14:30
Stevan Stankovski, Gordana Ostojić, Nikola Djukić, Igor Baranovski and Dragana Oros - Introducing Fieldbus Technology in a Mechatronics Curriculum	14:45
Dijana Karuovic, Dusanka Milanov, Dragica Radosav and Stanoje Ivanović - Site Administration Using Bootstrap	15:00
Peter Sarcevic, Szilveszter Pletl and Zoltan Kincses - Examining the number of required stationary orientations for efficient accelerometer calibration	15:15

Conference Session II

Chair: Zoltan Gobor, Dan Stan	Time
Eugen Cicvarić and Zoran Kunica - The Automation Of The Painting Process	16:00
Zsófia Forgács and Attila Trohák - Preparation of a Machine Vision System's Environment for an Automotive Manufacturing Technology Research	16:15
Szabolcs Földi and Attila Trohák - Energy Efficiency In Continuous Technology	16:30
Dalibor Dobrilovic, Aleksandar Berar, Zeljko Stojanov, Nikola Petrov and Zlatko Covic - Building ESP8266 Wi-Fi module network based on open-source hardware and single-board computers	16:45
Miklós Póth - Comparison of spatial and frequency domain image compression methods	17:00
Attila Trohák, Róbert Simon and Zsófia Forgács - Development of Facility Monitoring System in the Contest of Supervisor Control	17:15
Petar Cisar and Sanja Maravic Cisar - An overview of Android application security	17:30

Poster and Student Section

Chair: József Sárosi, János Simon	Time
Aleksandar Poznić and Boris Stojić - Novel magnetorheological brakes` simulation	10:00
Laslo Tarjan, Ivana Senk, Branislav Tejic, Dragana Oros and Igor Baranovski - Simulation of Hall sensor based localization in a production process	
Sandor Csikos, Szabolcs Balassa and Jozsef Sarosi - Fuzzy Control of an Antagonistic System Driven by Pneumatic Muscle Actuators	
Attila Szenci, Szilveszter Fejes, Andrea Raffai and Róbert Pintér : Advanced technologies usage in energetics	
Dražan Kozak, Zoran Vrhovski and Goran Benkek - Automated Warehouse: Student Project within Courses Mechanisms and Microcomputers at the Technical College in Bjelovar	
Janos Simon, Zlatko Čović and Imre Petkovics : Industry 4.0 Based Customized Mass Production Overview	
Róbert Sánta and Igor Fürstner : Comparison of two heat-pump systems -with and without an internal exchanger	
Nenad Medić, Zoran Anisic and Saša Tešić - Survey of some Key Concepts of Industry 4.0 in Manufacturing Companies from Developing Country	
Lászlo Gogolák, Igor Fürstner - Improvement proposals in student projects for prototype technical documentation	
Student work series – Supervisors: József Sárosi, Igor Fürstner, László Gogolák	