



8th International Conference on Innovations, Recent Trends
and Challenges in Mechatronics, Mechanical Engineering
and New High-Tech Products Development

MECAHITECH'16
International Conference
Bucharest, Romania
September 8th-9th, 2016



Technical sponsor



Co-Sponsors

Location: CAPITOL Hotel, Royal Room, Calea Victoriei 29, 1st District, Bucharest, Romania

PRELIMINARY AGENDA

Thursday, September 8th, 2016

09.00-09.30	Welcoming Coffee
09.00-09.30	Welcoming Participants and Registration
10.00-10.15	Opening speech; participants remarks Gheorghe Gheorghe, General Manager INCDMTM
10.15-13.00	Moderator: Jose Machado, Mech. Eng., PhD, University of Minho, School of Engineering, Mechanical Engineering Department, PORTUGAL
10.20-10.35	THE STUDY OF SLIDER CRANK MECHANISM USING MATLAB AND SCILAB Ioan S. Șorlei, Adriana Elena Cernat, Ciprian Ion Rizescu , Dana Rizescu - University of POLITEHNNICA Bucharest, Romania
10.35-10.50	GRAPHICAL USER INTERFACE FOR OPTOMETRISTS Dana Rizescu, Ciprian Ion Rizescu , Aurelian Ovidius Trufasu - University of POLITEHNNICA Bucharest, Romania
10.50-11.05	SKID STEER MOBILE ROBOT PATH TRACKING WITH CONTROL GAIN ADJUSTMENT BY YAW RATE COMPENSATION Pornporm Boonporm - Suranaree University of Technology, Thailand
11.05-11.20	MECHATRONIC SYSTEM USED FOR IMPROVING THE TEMPERATURE EFFICIENCY INSIDE A SMART HOUSE, Spânu Alina Rodica, Besnea Daniel, Pascu Titi - University of POLITEHNNICA Bucharest, Romania
11.20-11.35	Alina Spânu
11.35-11.50	Alina Spânu
11.50-12.05	DESIGN AND REALIZATION OF THE INSTRUMENT FOR MEASURING BUILDING MATERIAL DEFORMATION IN ENVIRONMENTAL CHAMBER Hadraba Daniel, Sovjak Radoslav, Jan Hosek - Czech Technical University, Czech Republic
12.05-12.20	HUMAN INDUCED VIBRATION ON CONCRETE SLABS THAT SUPPORT HIGH PRECISION EQUIPMENT SENSITIVE TO VIBRATION Mihai Zdrafcu , Cornel Marin – University VALAHIA Targoviste
12.20-12.35	SOME EXPERIMENTAL RESULTS OF VIBROACOUSTICAL DIAGNOSIS FOR INDUSTRIAL EQUIPMENT IN LUKOIL REFINERY Ionel Rusa , Cornel Marin - University VALAHIA Targoviste
12.35-12.50	NANOPOWDERS IN RAPID PROTOTYPING FOR 3D PRINTING OBJECTS THROUGH SELECTIVE LASER SINTERING TECHNOLOGIES Nastase-Dan Ciobota , Gheorghe Ion Gheorghe – INCDMTM Bucharest, Romania
12.50-13.00	PARAMETERS MONITORING MODULE FOR WIRELESS SENSOR NETWORK - A WLAN-BASED APPROACH Sorin Sorea, Paul Nicolae Ancuta , Constantin Anghel, Gheorghe I. Gheorghe – INCDMTM Bucharest, Romania
13.00-14.00	Lunch Break
14.00-16.30	Moderator: Rochdi el Abdi, Mech. Eng., PhD, Larmaur, Université de Rennes, FRANCE
14.00- 14.20	FINANCIAL AND SWOT ANALYSIS FOR A PILOT MODEL OF A TTO FROM RENITT Alexandra Hadăr, Alexandru Marin , Mihnea Costoiu, Laura Boanță, Irina Cișmașu - University of POLITEHNNICA Bucharest, Romania
14.20-14.40	INNOVATIVE MODULAR STRUCTURE OF PWM CONTROLLED MICRO VALVE USED FOR DIRECTION CONTROL Mihai Avram, Despina Duminiță , Constantin Bucșan - University of POLITEHNNICA Bucharest, Romania
14.40-15.00	OPTICAL COMPONENTS BASED ON METAMATERIALS THAT IMPROVE THE IMAGE QUALITY IN THE INFRARED SPECTRAL RANGE Constantin Marin , Gheorghe Ion Gheorghe, Octavian Dontu - University of POLITEHNNICA Bucharest, Romania
15.00-15.20	APPLICATION OF LEAN APPROACHES AND TECHNIQUES IN AN AUTOMOTIVE COMPANY, L. Reis, M. L. R. Varela, J. M. Machado , J. Trojanowska - School of Engineering, University of Minho, Guimarães, Portugal
15.20-15.40	INTEGRATED PLATFORM FOR REAL-TIME CONTROL AND PRODUCTION AND PRODUCTIVITY MONITORING AND ANALYSIS G. G. Vieira, M. L. R. Varela, G. D. Putnik, J. M. Machado , J. Trojanowska – University of Minho, Guimarães,



8th International Conference on Innovations, Recent Trends
and Challenges in Mechatronics, Mechanical Engineering
and New High-Tech Products Development

MECAHITECH'16
International Conference
Bucharest, Romania
September 8th-9th, 2016



Location: CAPITOL Hotel, Royal Room, Calea Victoriei 29, 1st District, Bucharest, Romania

	Portugal
15.40-16.00	Codrut Darie
End of first conference day	

Friday, September 9th, 2016	
08.30	Welcoming Coffee
09.00-13.00	Moderator: Jose Machado, Mech. Eng., PhD, University of Minho, School of Engineering, Mechanical Engineering Department, PORTUGAL
09.30-09.50	SPECIALIZED EQUIPMENT FOR CALIBRATION IN-LINE APPLIANCES FOR TESTING PHYSICAL PARAMETERS OF WATER QUALITY Dumitru Vlad, Diana Mura Badea, Valentina Daniela Bajenaru – INCDMTM Bucharest, Romania
09.50-10.10	PLUG-IN CONNECTORS AGING AND IN SITU DIAGNOSTIC TOOL FORCE MEASUREMENT IMPLEMENTATION Hans Essone Obame, Rochdi El Abdi , Nouredine Benjemâa, Erwann Carvou - Université de Rennes, France
10.10-10.30	BENCHMARKING STUDY CONCERNING TO CAPITALIZATION OF RESEARCH RESULTS FROM INCDMTM ECONOMIC AGENTS OF MECHATRONICS Diana Badea , Florin Teodor Tanasescu, Gh. Stefanescu, Dumitru Vlad, Valentina Bajenaru – INCDMTM Bucharest, Romania
10.30-10.50	MECHANICAL STRUCTURES FOR CUBESAT TYPE NANOSATELLITES WITH EXTENSIBLE SOLAR PANELS Mihai Totu , Gh. Ion Gheorghe, Octavian Dontu, Daniel Comeaga - University of POLITEHNICA Bucharest, Romania
10.50-11.10	ELECTROMAGNETIC MULTIFUNCTIONAL STAND FOR MEMS APPLICATIONS Cristian Necula , Gh. Gheorghe, Viorel Gheorghe, Daniel C. Comeaga, Octavian Dontu - University of POLITEHNICA Bucharest, Romania
11.10-11.30	COMPRESSIVE BEHAVIOR OF NANOFERITE MODIFIED EPOXY RESINS C.Munteniță , I. Graur, A. Boboc, C. Ungureanu, V. Bria - Dunărea de Jos” University of Galati, Romania
11.30-11.50	MODELING AND COMPARISON OF REINFORCED CONCRETE ELEMENTS UNDER SHEAR FORCE ACCORDING TO ALBANIAN NORMATIVE Igli Kondi, Julian Ksharaj, Irakli Premti - Polytechnic University of Tirana, Albany
11.50-12.10	FOSTERING ECO-INNOVATION IN SMEs THROUGH BRIDGING RESEARCH, EDUCATION AND INDUSTRY Ileana Hamburg, Gabriel Vladut , Emma O’Brien - IPA CIFATT Craiova, Romania
12.10-12.30	INTEGRAL INNOVATION George Teodorescu , Gabriel Vladut - Danubius Academic Consortium, Köln, Germany
12.30-13.00	End of Conference. Closing remarks
	Networking activities

Notes:

- (1) You can also register at any time during the conference.
- (2) Certificate of Participation can be collected at registration.