



2nd International Conference of
MECHATRONICS & CYBER-MIXMECHATRONICS

«**ICOME CYME**»

SEPTEMBER, 6th – 7th 2018 / Bucharest, Romania



VENUE: Minerva Hotel, Hyla and Maya Hall, 2-4 Gheorghe Manu St., 1st District, Bucharest, Romania

AGENDA

Thursday, September 6th, 2018

10.00-10.30	Welcoming Coffee
10.00-10.30	Welcoming Participants and Registration
Plenary session 1	
10.30-11.00	Opening speech; participants remarks (Himalaya Hall) <i>Prof. Dr.h.c. PhD Eng. Gheorghe Gheorghe, General Manager INCDMTM</i>

Parallel Sessions

Parallel Sessions Round 1 (Hyla Hall)		Parallel Sessions Round 1 (Maya Hall)	
11.00 – 13.00	<i>Moderator: Jose Machado, Mech. Eng., PhD, University of Minho, School of Engineering, Mechanical Engineering Department, PORTUGAL</i>	11.00 – 13.00	<i>Moderator: Bogdan Gramescu, Mech. Eng., PhD, University "Politehnica" of Bucharest, Mechatronics and Precision Mechanics Department, ROMANIA</i>
11.00-11.20	Additive Technologies and Materials for Realization of Elastic Elements Daniel Besnea, Dana Rizescu, Ciprian Rizescu , Elena Dinu, Victor Constantin, Edgar Moraru	11.00-11.20	Effect of Vibration Frequency on Mechanical Behavior of Automotive Sensor Rochdi El Abdi , Julien Labbé, Florence Le Strat, Erwann Carvou
11.20-11.40	Experimental Results of Turbo-Aggregate Vibroacoustic Diagnosis Obtained with Vibro-Expert System for One Turbo Aggregate in Lukoil Refinery Cornel Marin, Ionel Rusa	11.20-11.40	Current State of Anthropometric Parameters Measurement with Relevance for Advanced Lens Optometric Compensation George Baboianu , Constantin Nitu and Constantin Daniel Comeaga
11.40-12.00	A Review of Fault Diagnosis in Mechatronics Systems Daniel Cordoneanu and Constantin Nițu	11.40-12.00	Modelling the Tibial Bone Using CAD Techniques, Starting From the 3D Scan Model Mihai-Constantin Balașa, Simona Mihai , Viviana Filip, Alexis-Daniel Negrea, Gheorghiuța Tomescu
12.00-12.20	Automated System for Remote Defect Inspection Lopot František, Daniel Hadraba, Petr Kubový, Jan Hošek	12.00-12.20	Analytical and Experimental Studies on Wear Behaviour of Cast and Heat Treated AlSi12CuMgNi and AlZn6MgCu Matrix Composites Reinforced with Ceramic Particles, Under Sliding Conditions Ileana Nicoleta Popescu, Ivona Camelia Petre and Veronica Despa
12.20-12.40	Intelligent Mechatronics and Cyber-Mechatronics Ecosystems Developed in "ECOSIN- MECATRON" Research Infrastructure Gheorghe I. Gheorghe	12.20-12.40	Intelligent Hydraulic Power Generating Group Mihai Avram , Valerian-Emanuel Sârbu, Alina-Rodica Spânu and Constantin Bucșan



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12.40-13.00	<p>Researches Regarding the use of Additive Technologies in the Construction of Water Aeration Elements Octavian Dontu, Moga Corina Ioana, Beatrice Tănase, Nicolae Băran, Gheorghe I. Gheorghe, Edgar Moraru</p>	<p>Study on the Current State of Research in the Field of Artificial Clamping Systems Using Astringent Electroadhesion Technology Mihai-Nicolae Popescu and Mihai Avram</p>
13.00-14.00	Lunch Break	
14.00 – 16.00	<p>Parallel Sessions Round 2: (Hyla Room) <i>Moderator: Bogdan Gramescu, Mech. Eng., PhD, University "Politehnica" of Bucharest, ROMANIA</i></p>	<p>Parallel Sessions Round 2: (Maya Hall) <i>Moderator: Rochdi el Abdi, Mech. Eng., PhD, Larmaur, Université de Rennes, FRANCE</i></p>
14.00-14.20	<p>Mechatronic System for the Promotion of Physical Activity in People with Motor Limitations Leandro Pereira, José Machado, Vítor Carvalho, Filomena Soares and Demétrio Matos</p>	<p>Applications of Additive Technologies in the Food Industry Daniel Besnea, Octavian Dontu, Victor Constantin, Alina Spanu, Ciprian Rizescu, Edgar Moraru</p>
14.20-14.40	<p>Applications of Additive Technologies in Realization of Customized Dental Prostheses Edgar Moraru, Daniel Besnea, Octavian Dontu, Gheorghe I. Gheorghe, Victor Constantin</p>	<p>Ankle-Knee Rehabilitation System Amin S Abdullah Abdullah, Cristian Gabriel Alionte and Constantin Nitu</p>
14.40-15.00	<p>Pipe Leakage Detection Using Humidity and Microphone Sensors – A Review Ahmed Sachit Hashim, Bogdan Grănescu, Constantin Nițu</p>	<p>The New INCMDMT Research Center for Intelligent Mechatronic Systems used for Securing Objectives and Intervention Gheorghe Popan and Dorin Angelescu</p>
15.00-15.20	<p>Pipe Cracks Detection Methods – A Review Ahmed Sachit Hashim, Bogdan Grănescu and Constantin Nițu</p>	<p>Design and Analysis for Motors Control of a 4-DOF Parallel Robot Tudor Catalin Apostolescu, Georgeta Ionascu, Silviu Petrache, Lucian Bogatu and Laurentiu Adrian Cartal</p>
15.20-15.40	<p>Researches on the Measurement of the Dissolved Oxygen Concentration in Stationary Waters Gheorghe I. Gheorghe, Octavian Donțu, Nicolae Băran, Ioana Corina Moga, Mihaela Constantin, Eugen Tămășanu</p>	<p>Mechatronics and Cyber-Mixmechatronics, Base of Industry 4.0 Development in Romania Gheorghe I. Gheorghe</p>
Plenary session 2		
15.40-16.30	<p>Conclusions, closing remarks, discussions regarding future collaborations. End of conference</p>	

Notes:

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