

EUROINVENT ICIR 2017

International Conference on Innovative Research

May 25th to 26th, 2017
Iasi – Romania – Palace of Culture

Organized by:

- ▲ Romanian Inventors Forum
- ▲ Faculty of Materials Science and Engineering, The “Gheorghe Asachi” Technical University of Iasi, Romania
- ▲ ARHEOINVEST Platform, Alexandru Ioan Cuza University of Iasi
- ▲ Centre of Excellence Geopolymer and Green Technology (CEGeoGTech), Universiti Malaysia Perlis (UniMAP)
- ▲ Malaysian Research & Innovation Society (MyRIS)

With support of:

- ▲ School of Fundamental Science, Universiti Malaysia Terengganu



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Palace of Culture Iași
25-27 MAY 2017



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Program of EUROINVENT ICIR Conference

ORAL PRESENTATION

Palace of Culture Iasi - Henri Coanda Hall

DAY 1 – THURSDAY MAY 25	
9.00	Participants registration
11.00	EUROINVENT Opening Ceremony
12.00	ICIR Opening Ceremony
	KEYNOTE SPEAKER SESSION Chairman: Prof.Dr.Eng. Petrica VIZUREANU Prof.Dr. Mohd Mustafa AI Bakri ABDULLAH Prof.Dr. Che Mohd Ruzaidi GHAZALI Prof.Dr. Ion SANDU
12.10	Keynote Speaker – Iulian ANTONIAC <i>Innovation In Biomaterials Field: Biodegradable Metals</i>
12.40	Keynote Speaker – Nor Aieni MOKHTAR <i>Innovation Research: From Laboratory to Community</i>
13.10	Keynote Speaker – Ionel I MANGALAGIU <i>Five and Six Member Ring Azaheterocycles: Synthesis And Applications</i>
13.40	Tenaris Silcotub – Company Presentation
14.00	LUNCH - Restaurant - Hotel Ramada
	Session 1 Chairman: Prof.Dr. Rodica Mariana ION Prof.Dr. Noorina Hidayu JAMIL
15.00	Cristina-Mădălina TOMA - A Recovery Process of Active Cathode Paste from Spent Li-Ion Batteries
15.15	Laurentiu MARIN - Research on Lessening of the Bonding Effects Between the Metallic and Nonmetallic Surfaces Through the Graphite Films
15.30	Khairunnisa ZULKIFLY – Review of Geopolymer Behaviour In Thermal Environment
15.45	Geanina Laurenția TIRON – Characterization of polysulfone membranes prepared with thermally induced phase separation technique
16.00	Florina ELEFTERIE – Tri Aeronautical Requirements for Inconel 718 Alloy
16.15	Kseniya SHMAKOVA - Influence of Melt State on the Properties of Nickel-based Powders for Wear-Resistant Coat
16.30	COFFEE BREAK
16.45	Laurentiu MARDARE - Development of Anticorrosive Polymer Nanocomposite Coating for Corrosion Protection in Marine Environment
17.00	Kerol Anuar MAT AMIN - The physical and mechanical properties of gellan gum films incorporated Manuka honey as wound dressing materials
17.15	Eliza DANAILA – The Effect of Normal Force on Tribocorrosion Behavior of Ti-10Zr Alloy and Porous TiO₂-ZrO₂ Thin Film Electrochemical Formed
17.30	Dragos Teodor BRAN - Aeronautical Industry Requirements for Titanium Alloys
17.45	Ioan Alexandru GARNET – Experimental Equipment for Damping Capacity Analyze of High or Low Internal Friction Metallic Materials
18.00	End of Conference Day

**Program of EUROINVENT ICIR Conference
ORAL PRESENTATION**

Palace of Culture Iasi –Voievozilor Hall

DAY 2 – FRIDAY MAY 26	
10.00	Session 2 Chairman: Prof.Dr. Lidia BENEĂ Prof.Dr. Nor Aieni MOKHTAR
10.00	Invited Speaker – Rodica-Mariana ION <i>Micro-encapsulated porphyrins and phthalocyanines – New formulations in photodynamic therapy</i>
10.30	Invited Speaker – Anca Daniela RAICIU <i>Gemotherapy and Phytoterapy – Applications in Complementary Therapies</i>
11.00	Nicoleta IFTIMIE - Wireless Sensors for Wind Turbine Blades Monitoring
11.15	Iulian RIPOȘAN – <i>Technique Incorporating Cooling & Contraction / Expansion Analysis to Illustrate Shrinkage Tendency in Cast Irons</i>
11.30	Ikmal Hakem AZIZ - <i>Correlation of the Processing Parameters in the Formation of Granulated Ground Blast Furnace Slag Geopolymer</i>
11.45	Leandru Gheorghe BUJOREANU – <i>Multifunctional Modules with Thermally Adjustable Axial Movement Obtained via High-Speed High Pressure Torsion from FeMnSiCr Shape Memory Alloy</i>
12.00	Magdalena V LUNGU - <i>Development and Investigation of Tungsten Copper Sintered Parts for Using in Medium and High Voltage Switching Devices</i>
12.15	Remus DOBRA - <i>Investigation of Bucket Wheel Excavator Lattice Structure Internal Stress in Harsh Environment through a Remote Measurement System</i>
12.30	Valentin Marian DUMITRASCU – <i>Corrosion Behavior of Aluminum Oxide Film Growth by Controlled Anodic Oxidation</i>
12.45	Yuriy BURENNIKOV - <i>Mechatronic Hydraulic Drive with Regulator, Based on Artificial Neural Networks</i>
13.00	COFFEE BREAK / INDIVIDUAL LUNCH
14.00	Session 3 Chairman: Prof.Dr. Che Mohd Ruzaidi GHAZALI Prof.Dr.Eng. Petrica VIZUREANU
14.00	Invited Speaker – Mohd Arif Anuar MOHD SALLEH <i>Development of Robust Lead-free Solder Joints for Harsh Environment Electronic Applications</i>
14.30	Invited Speaker – Sultan T. Abu-Orabi ALADWAN <i>Scientific Research and Higher Education in the Arab World</i>
15.00	Adriana SAVIN - <i>Electromagnetic Nondestructive Evaluation of Tubes using Data Mining Procedure</i>
15.15	Remus DOBRA - <i>Designing and Implementation a Lab Testing Method for Power Cables Insulation Resistance Testing According with STAS 10411-89, SR EN ISO/CEI/7025/2005</i>
15.30	Marcin NABIALEK - <i>The Structure and Properties of Rapid Cooled Iron Based Alloy</i>
15.45	Adrian LAZARESCU - <i>The effect of alkaline activators ratio on the strength of fly ash based geopolymer paste</i>
16.00	COFFEE BREAK
16.15	Mihail Aurel TITU - <i>Using Quality Management Methods in Knowledge-Based Organizations. An Approach to the Application of the Taguchi Method to the Process of Pressing Tappets into Anchors</i>
16.30	Virgilius VASILACHE - <i>Decreasing the Functioning Consumptions of Plastics Injection Moulding Machines</i>
16.45	Dewi Suriyani Che HALIN - <i>Synthesis and Characterization of TiO2/SiO2 Thin Film via Sol-Gel Method</i>
17.00	Marius Gabriel ZAHARIA - <i>Electro-chemical behavior of low carbon steel under H2S influence</i>
17.15	Violeta Otilia POTOLINCA – <i>Fungal Degradation of Pyridine-based Polyether Polyurethane</i>
17.30	Ioana C.SAKI - <i>New Bond Coat Materials Processed via Different Routes</i>
17.45	Oana NECULAI - <i>Thermal Analysis of a Structural Solution for Sustainable, Modular and Prefabricated Buildings</i>
18.00	Conference Closure and Awards Ceremony
19.00	Cocktail dinner - Restaurant – HOTEL MOLDOVA

**Program of EUROINVENT ICIR Conference
POSTER PRESENTATION**

Palace of Culture Iasi - Voievozilor Hall

DAY 2 – FRIDAY MAY 26	
14.00	Poster Session Chairman: Prof.Dr. Nicanor CIMPOESU Prof.Dr. Mohd Arif Anuar MOHD SALLEH
	P1 - M.D. STANCIU, H.D. TEODORESCU, et al. - <i>The Assessing of the Failure Behavior of Glass/Polyesteric Composites Subject to Quasi Static Stresses</i>
	P2 – C. CROITORU, A. PASCU, et al. - <i>Obtaining and characterization of polyolefin-filled calcium carbonate composites modified with stearic acid</i>
	P3 – V. SAMUILA, V.F. SOPORAN, et al. - <i>Hierarchical modeling of professional skills in the field of castings manufacture engineering</i>
	P4 – M.M. VESCAN, V.F. SOPORAN, et al. - <i>The engineering of circular economy institutionalization at the level of castings manufacture</i>
	P5 – R.M. FLOREA - <i>AlMg/AlN obtaining through thermodynamics combined with experimental investigation</i>
	P6 – I.F. BURLACU, G. DEAK, et al. - <i>Greening solutions applicable in the tailing ponds Tăușari and Boșneag, Moldova Nouă</i>
	P7 – G. SLAMNOIU, O. RADU, et. al - <i>Efficient use of AUVs in maritime environment</i>
	P8 – G. SLAMNOIU, O. RADU, et al. - <i>Risk factors detection for strategic importance objectives in littoral areas</i>
	P9 – I.C. ROATA, A. PASCU, et al. - <i>Thermal spraying of CuAlFe powder on Cu5Sn alloy</i>
	P10 – A. PASCU, E.M. STANCIU, et al. - <i>Pulsed Laser Cladding of Ni Based Powder</i>
	P11 – F.D. DUMITRU, M.A. MONCEA, et al. - <i>Durability Assessment through Laboratory Testing of A Geotextile used in Danube Hydrotechnical Works</i>
	P12 – V. GEANTA, T. CHERECHEȘ, et al. - <i>Simulation of Impact Phenomena on the Composite Structures Containing Ceramic Plates and High Entropy Alloys</i>
	P13 – I. VOICULESCU, V. GEANTA, et al. - <i>Microstructural Characterization of Metallic Alloys Obtained by Levitation Technique</i>
	P14 – M. RISTEIU, R. DOBRA et al. - <i>Designing a validation method for remote measurements dedicated to investigation of bucket wheel excavator lattice structure internal stress in harsh environment</i>
	P15 – D. PREDRAG, C. HUTANU, et al. - <i>High accuracy investigation of microwave absorption in polymer electrical components on motherboard of computers</i>
	P16 – A. SOARE, I. CSAKI, et al. - <i>New Bond Coat Materials Processed via Different Routes</i>
	P17 – E.M. STANCIU, A. PASCU, et al. - <i>CMT welding of low carbon steel thin sheets</i>
	P18 – I. AGAPE, L. GAIGINSCHI, et al. - <i>The Analysis of an Internal Combustion Engine breakdown – Case Study</i>
	P19 – S. STOLERIU, S. ANDRIAN, et al. - <i>Evaluation of Resin-Resin Interface in Direct Composite Restoration Repair</i>
	P20 – G. IOVAN, S. STOLERIU, et al. - <i>SEM evaluation of surrounding enamel after finishing of composite restorations- preliminary result</i>
	P21 – A. TYAGUNOV, E. BARYSHEV et al. - <i>Investigation of Electrical Resistivity of Ni- Cr-Al Alloys in Liquid and Solid State</i>
	P22 – F.F. ZAINAL, S.F.M. AMLI et al. - <i>Corrosion Studies of Fly Ash and Fly Ash-Slag Based Geopolymer</i>
	P23 – I.S. MOHAMAD, S.S. ISMAIL et al. - <i>ZnO Photoanode Effect on the Efficiency Performance of Organic Based Dye Sensitized Solar Cell.</i>
	P24 – T.C. HAO, N. MUHAMMAD et al. - <i>Surface Topographical Modification of Coronary Stent: A Review</i>
	P25 – A.A. KADIR, N.A. SARANI et al. - <i>Study on Fired Clay Bricks by Replacing Clay with Palm Oil Waste: Effects on Physical and Mechanical Properties</i>
	P26 – I. MIROSHNICHENKO, I. PARINOV - <i>Scientific Ground of a New Optical Device for Contactless Measurement of the Small Spatial Displacements of Control Object Surfaces</i>
	P27 - C. CROITORU*, I.C. ROATA, et al. - <i>Ionic Liquid Surface Treatment of Calcite for Improved Compatibility with Polyolefin Matrix</i>
	P28 - C.D. CIRSTEA, E. POVDEN-KARADENIZ, et al. - <i>Thermokinetic Simulation of Precipitation in NiTi Shape Memory Alloys</i>
	P29 - L. BENEĂ, E. DANAILA - <i>Development of Electrodeposited Zn/Nano-TiO2 Composite Coatings with Enhanced Corrosion Performance</i>
	P30 - G. GURAU, C. GURAU, et al., <i>A Versatile Method for Nanostructuring Metals, Alloys and Metal Based Composite</i>
	P31 - E. SABAREANU, <i>Assessment and Rehabilitation Issues Concerning Existing 70's Structural Stock</i>
	P32 - A. SIMION, H. DRAGNE - <i>Testing Method for External Cladding Systems - INCERC Romania</i>
18.00	Conference Closure and Awards Ceremony-