

**Program of EUROINVENT ICIR Conference  
POSTER PRESENTATION**

Palace of Culture Iasi - Voievozilor Hall  
DAY 1 – THURSDAY MAY 17

14.30	Poster Session
	Chairman: Prof.Dr. Nicanor CIMPOESU Prof.Dr. Mohd Arif Anuar MOHD SALLEH
P1.	<b>Pierantonio De LUCA</b> - Preparation and optimization of natural glues based on laricio pine resin
P2.	<b>Vasile Filip SOPORAN</b> - Method of analysis of the topic of doctoral thesis in the field of cast parts production. A case study on the situation in Romania
P3.	<b>Tiberiu Romi LEHENE</b> - Critical thinking on the introduction of digitization within engineering training systems in the manufacturing stage of cast parts
P4.	<b>Darya IVANOVA</b> - Phosphating of Carbon Steels in Solutions Containing Zinc and Zinc – Manganese Phosphates
P5.	<b>Rositza SIMITCHISKA</b> - Corrosion Behavior of Cr–Mn–N and Cr–Ni Stainless Steels, Suggested as Implants
P6.	<b>Adrian LAZARESCU</b> - Parameters Affecting the Mechanical Properties of Fly Ash Based Geopolymer Binders – Experimental Results
P7.	<b>Krisitna GARTSYANOVA</b> - Assessment of Physical-Chemical characteristics of surface water from a key gates of Mesta River: State and Environmental Implications
P8.	<b>Vlad Dragoș DIACONESCU</b> - Risk Identification in a Smart Monitoring System Used to Preserve Artefacts Based on Textile Materials
P9.	<b>Gabriela NEMES</b> - Functionalized Calixarenes used as Coupling Agents for Inorganic/Organic Substrates
P10.	<b>Dragoș Florin MARCU</b> - Experimental characterization of aluminum-based hybrid composites obtained through powder metallurgy
P11.	<b>Eugenia T. Iacob TUDOSE</b> - Spinning disc technology - residence time distribution and efficiency in textile wastewater treatment application
P12.	<b>Marzieh Javadi TOGHCHI</b> - Investigation of Woven Characteristics on Electromagnetic Shielding Behavior
P13.	<b>Vasile BAȘLIU</b> - Research on the use of aqueous systems in the physical modeling of interface processes from refining of liquid steel through vacuum recirculation
P14.	<b>Ana Maria ARCUȘ</b> - Evaluation of the environmental impact of the activities carried out in the area of Murighiol channel Tulcea county
P15.	<b>Mihaela-Claudia GOROVEI</b> - The effect of some key changes in the chemistry of water in relation to copper and brass corrosion control
P16.	<b>Nicoleta SIMIONESCU</b> - The synergistic effect of proteins and reactive oxygen species on electrochemical behavior of 316L stainless steel for biomedical applications
P17.	<b>Lăcrămioara-Raluca BIVOL</b> - Metallographic study of XIX century oklads belonging to Russian icons
P18.	<b>Anca RAVOIU</b> - Metabolic albumin and its effect on electrochemical behavior of titanium implant alloy
P19.	<b>Ioana TATARU</b> - Mixed wooden-concrete piles: a solution for structures located near saltwater lakes
P20.	<b>Ioana Corina MOGA</b> - Materials and technologies used in wastewater treatment
P21.	<b>Raluca JIANU</b> - Wastewater sludge used as material for bricks fabrication
P22.	<b>Cristina COVALIU</b> - Synthesis and technological innovation of applying oxide nanomaterials in wastewater treatment by flotation
P23.	<b>Liliana Rozemarie MANEA</b> - Electrospun membranes for environmental protection
P24.	<b>Adrian SIMION</b> - Simulation of Propagation of Compartment Fire on Building Facades
P25.	<b>Victor GEANTA</b> - Dynamic impact behavior of high entropy alloys used in the military domain
P26.	<b>Ionelia VOICULESCU</b> - Mechanical and Microstructural Characterization of a New Corrosion Resistant Stainless Steel
P27.	<b>Aurora ANTONIAC</b> - Advances in biomaterials for dental applications
P28.	<b>Claudia MILEA</b> - Nanoencapsulated eugenol advanced compounds with addressability in dental medicine
P29.	<b>Bogdan ISTRATE</b> - Topical notions about in vivo analysis for degradable biomaterials with utility in human body
P30.	<b>Wen-Tsai SUNG</b> - Wireless Medical Care based on RFID Positioning System
P31.	<b>Chun-Te LEE</b> - Simple detecting system of Sleep Apnea
P32.	<b>Andrey TYAGUNOV</b> - Influence of Alloying on the Thermal Stability of Model Heat Resistant Compositions

# EUROINVENT ICIR 2018

## International Conference on Innovative Research

**May 17<sup>th</sup> to 18<sup>th</sup>, 2018**  
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 CEGeoTech, Universiti Malaysia Perlis (UniMAP)**

**With support of:**

- ▲ **School of Fundamental Science, Universiti Malaysia Terengganu**
- ▲ **International Federation of Inventors' Associations - IFIA**
- ▲ **World Invention Intellectual Property Associations – WIIPA**

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DAY 1 – THURSDAY MAY 17	
9.00	Participants registration
11.00	<b>EUROINVENT Opening Ceremony</b>
12.00	<b>ICIR Opening Ceremony</b>
	<b>KEYNOTE SPEAKER SESSION</b> Chaiman: Prof.Dr. Petrica VIZUREANU Prof.Dr. Mohd Mustafa Al Bakri ABDULLAH Prof.Dr. Ion SANDU
12.10	<b>Keynote Speaker – Hanafi ISMAIL</b> <i>Development and Performances of Bio-Fillers Filled Eco Polymer Composite</i>
12.40	<b>Keynote Speaker – Silviu GURLUI</b> <i>Laser Spectroscopy Techniques in Nano-Technology and Environmental Scienc</i>
13.10	<b>Keynote Speaker – Andriana SURLEVA</b> <i>Innovation In Technology And Materials Based On Analytical Chemistry Data</i>
13.40	<b>LUNCH - Restaurant COSMOPOLITAN - Hotel Ramada</b>
15.00	<b>Session 1</b> Chaiman: Prof.Dr. Rodica Mariana ION Prof.Dr. Ionelia VOICULESCU
15.00	<b>Invited Speaker – Dan ELIEZER</b> <i>Materials Performance In Hydrogen Environments-</i>
15.20	<b>Invited Speaker – Nor Aida ZUBIR</b> <i>Graphene Oxide-Iron Oxide Nanocomposites for Dye Contaminated Wastewater Remediation</i>
15.40	<b>Daria ILIEVA</b> - Approach to quantification of trace hazardous metals in barite mine wastes with ICP-OES
15.55	<b>Laurentia Geanina TIRON</b> - Research on Hydrophilic Nature of Polyvinylpyrrol done on Polysulfone Membrane Filtration
16.10	<b>Ovidiu NEMES</b> - Research on Recycling Mixed Wastes Based on Fiberglass and Organic Resins
16.25	<b>Melkie TADESSE</b> - Tactile Comfort Evaluation of Conductive Knitted Fabric Using KES-FB
16.40	<b>Kseniya SHMAKOVA</b> - Influence of Alloying on the Thermal Stability of Model Heat Resistant Compositions
17.00	<b>COFFEE BREAK</b>
17.15	<b>Session 2</b> Chaiman: Prof.Dr. Lidia BENEAA Prof.Dr. Noorhafiza MUHAMMAD
17.15	<b>Mulat ABTEW</b> - Investigating Tensile Behaviours Of Multi-Layer 3D Warp Interlock Fabrics For Technical Applications
17.30	<b>Laura HROSTEA</b> - Optical and Morphological Properties of P3HT and P3HT: PCBM Thin Films used in Photovoltaic Applications
17.45	<b>Alina Bianca POP</b> - Technical Parameters Modeling of a Gas Probe Foaming Using an Active Experimental Type Research
18.00	<b>Liyana JAMALUDIN</b> - The Influence of Pre-Heated Treatment to Improve Adhesion Bond Coating Strength of Fly Ash Based Ceramic
18.15	<b>Stefan Catalin PINTILIE</b> - Research regarding membrane filtration capacity of water collected from Siret River
18.30	<b>Alexandru BURCU Ș.</b> - Antioxidant, Anti-inflammatory, and Antibacterial Potential of Different Drinks Based on Matcha Tea
18.45	<b>Nicoleta IFTIMIE</b> - Enzyme Biosensing Based on Zinc Oxide Nanostructures as Active Surface
19.00	<b>End of Conference Day</b>

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DAY 2 – FRIDAY MAY 18	
9.00	<b>Session 3</b> Chaiman: Prof.Dr. Nor Aida ZUBIR Prof.Dr. Adriana SAVIN
9.00	<b>Invited Speaker – Norhafiza MUHAMMAD</b> <i>High Performance and Affordable Coronary Stent</i>
9.20	<b>Invited Speaker – Catalin POPA</b> <i>Application – Tailored Drug Delivery Systems</i>
9.40	<b>Nicolae ENAKI</b> - Optical Metamaterials for Decontamination of Translucent Liquids and Gases
9.55	<b>Dimka IVANOVA</b> - Phosphating of carbon steels in solutions containing zinc and zinc-manganese phosphates
10.10	<b>Brandusa GHIBAN</b> - Corrosion Behaviour In Human Stimulation Media of a High Entropy Titan-Based Alloy
10.25	<b>Lidia BENEAA</b> - Surface Modifications of Materials by Electrochemical Methods to Improve the Properties for Industrial and Medical Applications
10.40	<b>Pierantonio DE LUCA</b> - Synthesis and functionalization of self-bonded pellets of ETS-4 phase by new methodology of preparation
11.00	<b>COFFEE BREAK</b>
11.15	<b>Session 4</b> Chaiman: Prof.Dr. Hanafi ISMAIL Prof.Dr. Andriana SURLEVA Prof.Dr. Petrica VIZUREANU
11.15	<b>Invited Speaker – Georgi CHERNEV</b> <i>Structure and Properties of Sol-Gel Materials Synthesized on the Base of Silicon Precursors and Heteropolysaccharide</i>
11.35	<b>Invited Speaker – Anca Daniela RAICIU</b> <i>Gemmotherapy – A Modern Medicine</i>
12.00	<b>Valentin Marian DUMITRASCU</b> - Evaluation of Sealing Process on the Surface Properties of Nanoporous Aluminum Oxide Layers Electrochemically Growth on 1050 Aluminum Alloy Surface
12.15	<b>Mihail Aurel TITU</b> - The Taguchi Method Application to Improve the Quality of a Sustainable Process
12.30	<b>Adriana SAVIN</b> - Noninvasive Evaluation of Special Alloys for Prostheses using Complementary Methods
12.45	<b>Rodica Mariana ION</b> - Archeometric Concepts and Methods of Protective Treatments for Historical Monument Buildings
13.00	<b>Marcin NABIALEK</b> - Magnetic Properties of Rapid Cooled FeCoB Based Alloys Produced by Injection Molding
13.15	<b>Mohd Fathullah GHAZLI</b> - Effects of Sm <sup>3+</sup> on Luminescent Properties of LiEu(0.55-x)Y0.45 (WO <sub>4</sub> ) <sub>2</sub> Smx Red Phosphor
13.30	<b>Laura OLARIU</b> - Application of FT-IR Classification Method in Silica-Plant Extracts Composites Quality Testing
13.45	<b>Chun-Te LEE</b> - The Best Position of Partition Disk Research on the Energy Saving 2nd Generation Solar Water Heating Tank
14.00	<b>Conference Closure and Awards Ceremony</b>
15.00	<b>DEBATE Economy in the Future. The role of Research and Innovation</b>
19.00	<b>Cocktail dinner - Restaurant – HOTEL CIRIC</b>



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Event organized under the Higher Patronage of Ministry of Research and Innovation  
Held under the 10<sup>th</sup> Edition of EUROINVENT – European Exhibition of Creativity and Innovation