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**CONFERENCE ON MATERIAL SCIENCE & ENGINEERING**  
**MAY 19-21, 2016, GALATI, ROMANIA**

## Technical Program UgalMat 2016

**Thursday, May 19, 2016**

Time	Event	Location
<b>14<sup>00</sup>-20<sup>00</sup></b>	Registration and accommodation of guests	Hall D, first floor

**Friday, May 20, 2016**

Time	Event	Location
<b>9<sup>00</sup>-12<sup>00</sup></b>	<b>Registration</b>	Hall D, first floor
<b>9<sup>30</sup>-10<sup>00</sup></b>	<b>Opening Ceremony</b>  <b>Viorica MUŞAT</b> – Conference Chair <b>Iulian Gabriel BÎRSAN</b> – Rector, "Dunarea de Jos" University of Galati <b>Ionel BORŞ</b> – Country Manager, Arcelor Mittal Galati <b>Rodrigo MARTINS</b> – New University of Lisbon, Portugal <b>Iulian RIPOŞAN</b> – Politehnica University of Bucharest, Romania <b>Wolfgang SAND</b> – Universität Duisburg-Essen, Germany <b>Ştrul MOISA</b> – Ben-Gurion University of the Negev, Beer-Sheva, Israel <b>Marian BORDEI</b> – Dean, Faculty of Engineering, "Dunarea de Jos" University of Galati	D 12
<b>14<sup>30</sup>-15<sup>30</sup></b>	Visit at the <i>Museum of History, Culture and Christian Spirituality of the "Low Danube" Region</i>	141 Domneasca Street, Galați
<b>14<sup>30</sup>-19<sup>00</sup></b>	Visual Art Exhibitions: <ul style="list-style-type: none"><li>• <i>Photography</i></li><li>• <i>Metal sculpture</i></li><li>• <i>Handmade art objects - "Spring colors "</i></li></ul>	Hall D
<b>20<sup>00</sup>-23<sup>00</sup></b>	<b>Gala Dinner</b>	Hotel <i>Galati Centrum</i>

## PLENARY ACTIVITY, Room D 12

First Floor, Building D, Room 12, 111 Domnească Street <b>Session Chairs: Magda LAKATOS–VARSANYI, Lidia BENEÀ</b>	
<b>10<sup>00</sup>-10<sup>25</sup></b>	Rodrigo FERRÃO DE PAIVA MARTINS - New University of Lisbon, Portugal <b>The front edge of materials societal challenges</b>
<b>10<sup>30</sup>-10<sup>55</sup></b>	Magda LAKATOS – VARSANYI - Bay Zoltán Nonprofit Ltd. for Applied Research Engineering Division (BAY-ENG), Budapest, Hungary <b>Electrochemistry in Nanotechnology</b>
<b>11<sup>00</sup>-11<sup>25</sup></b>	Iulian RIPOSAN - Politehnica University of Bucharest, Romania <b>Sulphur, key element in graphite formation in irons, [S in cast irons, friend or enemy? Demystifying the Role of S in Cast Irons]</b>
<b>11<sup>30</sup>-11<sup>55</sup></b>	Wolfgang SAND - Universität Duisburg-Essen, Germany <b>Extracellular polymeric substances mediate biocorrosion / bioleaching</b>
<b>12<sup>00</sup> -12<sup>30</sup></b>	<b>MORNING BREAK, Hall D first floor</b>
First Floor, Building D, Room 12, 111 Domnească Street. <b>Session Chairs: Rodrigo FERRÃO DE PAIVA MARTINS, Iulian RIPOSAN</b>	
<b>12<sup>30</sup>-12<sup>55</sup></b>	Avram NICOLAE - Politehnica University of Bucharest, Bucharest, Romania <b>The ecotechnologies, major route of durable-sustainable development, in the metal materials industry</b>
<b>13<sup>00</sup>-13<sup>25</sup></b>	Daniel MUNTEANU- Transilvania University of Brasov – Romania <b>DLC tribological coatings with embedded piezoelectric thin-film sensor</b>
<b>13<sup>30</sup>-13<sup>55</sup></b>	Ştrul MOISA, Ben-Gurion University of the Negev, Beer-Sheva, Israel <b>From the Bible (as book) to the Nano-Bible (as chip)</b>
<b>14<sup>00</sup>-14<sup>20</sup></b>	Alina Adriana MINEA - Technical University “Gheorghe Asachi” from Iasi <b>A review on thermophysical properties for water based nanofluids and their hybrids</b>
<b>14<sup>20</sup>-15<sup>20</sup></b>	<b>LUNCH, Hall D first floor</b>

## ORAL PRESENTATIONS

### Section I: ADVANCED MATERIALS AND TECHNOLOGIES (TMA 2016)

First Floor, Building D, Room 12, 111 Domnească Street. <b>Session Chairs: Maria NICOLAE, Maria VLAD</b>	
<b>15<sup>20</sup>-15<sup>35</sup></b>	Laurentiu Mardare, Lidia Benea - ”Dunarea de Jos” University of Galati <b>The corrosion behavior of naval steel covered with polymeric paints in seawater</b>
<b>15<sup>40</sup>-15<sup>55</sup></b>	Dumitrascu Valentin Marian, Lidia Benea - ”Dunarea de Jos” University of Galati <b>Enhancing corrosion properties of aluminium anodic formed oxide layer by sealing process</b>
<b>16<sup>00</sup>-16<sup>15</sup></b>	Ilenuța SEVERIN, Maria VLAD - ”Dunarea de Jos” University of Galati <b>Properties of alkali activated ground granulated blast furnace slag based geopolymers</b>
<b>16<sup>20</sup>-16<sup>35</sup></b>	Baitanu Doru Dumitru, Achitei Dragos Cristian, Minciuna Mirabela Georgiana - Technical University “Gheorghe Asachi” from Iasi <b>The aluminisation in powder technology for AISI 304 steel</b>
<b>16<sup>40</sup>-16<sup>55</sup></b>	Moldoveanu Mădălina Georgiana <sup>1,*</sup> , Simionescu Tudor Mihai <sup>1</sup> , Minea Alina Adriana <sup>1</sup> And Dima Adrian <sup>1</sup> - Technical University “Gheorghe Asachi” from Iasi <b>Analytical Technique for Estimating the Termophysical Properties of Hybrid Nanofluids</b>

<b>17<sup>00</sup>-17<sup>45</sup></b>	Marin Florin Bogdan, Potecasu Florentina, Marin Mihaela, Petrica Alexandru - "Dunarea de Jos" University of Galati <b>Automatic grain size determination in microstructures using computer vision algorithm based on SVM</b>
<b>17<sup>20</sup>-17<sup>35</sup></b>	Muna Noori, Hazim Faleh, Mihai Chisamera, Gigel Neagu, Florin Stefanescu, and Eduard Marius Stefan - University Politehnica of Bucharest, Romania <b>Properties of AL-SiCp composites (review)</b>
<b>17<sup>40</sup>-17<sup>55</sup></b>	Hazim Faleh, Muna Noori, Florin Stefanescu, Gigel Neagu, and Eduard Marius Stefan - University Politehnica of Bucharest, Romania <b>Graphite particles composites (review)</b>
<b>18<sup>00</sup>-18<sup>15</sup></b>	Costel Durduc (Roibu), Elena Drugescu -"Dunarea de Jos" University of Galati <b>Optimization of chemical composition for pressure vessel steel grade P460NL2</b>
<b>18<sup>20</sup>-18<sup>35</sup></b>	Ionescu Stefania Mita, Nechita Petronela - "Dunarea de Jos" University of Galati <b>Thermo-insulating panels based on composite structures from vegetal fibres and polymeric matrix</b>
<b>18<sup>40</sup>-18<sup>55</sup></b>	Tonita (Corcotoi) Vasilica Viorica, Maria Vlad, Severin Ilenuta, Andrei Berbecaru - "Dunarea de Jos" University of Galati <b>Chemical and mineralogical composition influence of steelworks dust on agglomerate quality</b>
<b>19<sup>00</sup>-19<sup>15</sup></b>	Elena Scutelnicu, Carmen Catalina Rusu, Bogdan Georgescu, Octavian Mircea, Melat Bormambet - "Dunarea de Jos" University of Galati <b>Mechanical Behaviour of Welded Joints Achieved by Multi-Wire Submerged Arc Welding</b>
<b>19<sup>15</sup>-19<sup>30</sup></b>	Alexandru Mircea Nicolau, Elisabeta Vasilescu, Vlad Gabriel Vasilescu, M. Neacsu - "Dunarea de Jos" University of Galati <b>Experimental study on the stability level assessment of mini-implants for orthodontic anchorages</b>

## Section II: CASTING, FROM TECHNIQUE RIGORS TO ART (ARTCAST 2016)

First Floor, Building D, Roon 11, 111 Domnească Street. <b>Session Chairs: George Sorin PURCARU, Cătălin FETECĂU</b>	
<b>15<sup>20</sup>-15<sup>40</sup></b>	Irina VILCIU - Universitatea Ecologica din Bucuresti <b>Stainless steel - product of jewelry art</b>
<b>15<sup>40</sup>-16<sup>15</sup></b>	Strul MOISA - Ben-Gurion University of the Negev, Beer-Sheva, Israel <b>Solomon's Temple: a hypothesis for the technological process reconstitution of the "Sea of copper"</b>
<b>16<sup>15</sup>-16<sup>30</sup></b>	Ana DONIGA - "Dunarea de Jos" University of Galati <b>Spring colors - exhibition of handmade art objects</b>
<b>16<sup>35</sup>-17<sup>00</sup></b>	George Sorin PURCARU - Universitatea de Arte George Enescu Iași <b>Materials in sculpture</b>
<b>17<sup>00</sup>-17<sup>25</sup></b>	Olga Pintilie <sup>1</sup> , Marius Zaharia <sup>2,*</sup> , Adelina Cosma <sup>2</sup> , Alina Butnaru <sup>3</sup> , Manuela Murariu <sup>4</sup> , Gabi Drochioiu <sup>2</sup> , Ion Sandu <sup>1,5*</sup> - <sup>1, 2</sup> , <sup>3</sup> Al. I. Cuza University of Iași, <sup>4</sup> Petru Poni Institute of Macromolecular Chemistry, <sup>5</sup> ARHEOINVEST Interdisciplinary Platform, Laboratory of Scientific Investigation and Conservation of Cultural Heritage, Al. I. Cuza University of Iasi <b>Effect of heavy metals on the germination of wheat seeds: enzymatic assay</b>
<b>17<sup>30</sup>-17<sup>50</sup></b>	Beatrice Tudor, Anisoara Ciocan - "Dunarea de Jos" University of Galati <b>Achieving of the decorative glass objects by thermoforming</b>
<b>17<sup>55</sup>-18<sup>20</sup></b>	Gheorghe Buluc - Technical University "Gheorghe Asachi" from Iasi Iulia Florea, Romeu Chelariu, Ioan Carcea <b>Microstructure and wear resistance of FeNiCrMnCu high entropy alloy</b>
<b>18<sup>20</sup>-18<sup>45</sup></b>	Beatrice Tudor <sup>1</sup> , Bogdan Florea <sup>2</sup> , Elena Paraschiv <sup>3- 1</sup> Universitatea Dunarea de Jos Galati, <sup>2</sup> Politehnica University Bucureti, <sup>3</sup> Colegiul National de Arta Dinu Lipati Bucuresti <b>Bronze into the art casting</b>

### Section III: UGALMat Nano6

First Floor, Building D, Room 13, 111 Domnească Street. <b>Session Chairs: Viorica MUSAT, Gheorghe GURAU</b>	
<b>15<sup>20</sup>-15<sup>45</sup></b>	Lidia Benea - "Dunarea de Jos" University of Galati <b>Electrochemical techniques applied to surface modifications of materials to improve the properties for industrial and medical applications</b>
<b>15<sup>50</sup>-16<sup>15</sup></b>	Eliza Danaila, Lidia Benea - "Dunarea de Jos" University of Galati <b>Tribocorrosion issues in industrial and biomedical applications of materials</b>
<b>16<sup>20</sup>-16<sup>45</sup></b>	Herbei Elena Emanuela <sup>a</sup> , Michael Jank <sup>b</sup> , Susanne Oertel <sup>b</sup> , Laurentiu Frangu <sup>c</sup> , Viorica Musat <sup>a</sup> a, c-"Dunarea de Jos" University of Galati, Domneasca Street, 47, RO-800008, Galati, Romania, b-Fraunhofer Institute for Integrated Systems and Device Technology IISB, Erlangen, Germany <b>The influence of electrodes deposition on the interface and dielectric characteristics of polymer gate for thin films transistors</b>
<b>16<sup>50</sup>-17<sup>15</sup></b>	Constantin Spanu <sup>a</sup> , Viorel Panaite <sup>a,b</sup> , Viorica Musat <sup>a</sup> , Florentina Potecasu <sup>a</sup> - a- "Dunarea de Jos" University of Galati, b- Bureau Veritas Romania Controle International Galati, <b>Surface microhardness and friction coefficient of epoxy coating modified with metal oxide nanoparticles</b>
<b>17<sup>20</sup>-17<sup>45</sup></b>	Viorica Mușat, Mariana (Bușilă) Ibănescu, Dana Tutunaru <sup>2</sup> , Florentina Potecașu- "Dunarea de Jos" University of Galati <b>Fe-doped ZnO nanoparticles: structural, morphological, antibacterial and photocatalytic characterization</b>
<b>17<sup>50</sup>-18<sup>35</sup></b>	Liana Anicai, Stefania Costovici, Aurora Petica, Danut Balan, Marius Enachescu - University Politehnica of Bucharest, Romania <b>Comparative investigation of HER on NiMo alloy coatings electrodeposited from aqueous and DES based electrolytes</b>
<b>18<sup>40</sup>-19<sup>00</sup></b>	Stefania Costovici, Liana Anicai, Teodor Visan - University Politehnica of Bucharest, Romania <b>The influence of additives on the cu electrodeposition involving deep eutectic solvents</b>

### POSTER SESSION

#### Section I: ADVANCED MATERIALS AND TECHNOLOGIES (TMA 2016)

First Floor, Hall D, 111 Domnească Street.	
<b>2016-1</b>	Anisoara Ciocan, Beatrice Tudor - "Dunarea de Jos" University of Galati <b>Effect of secondary vacuum treatment on performance characteristics of A516 Grade 65 carbon steel</b>
<b>2016-2</b>	Ionel Iacob, Ionel Chirica; Elena-Felicia Beznea - "Dunarea de Jos" University of Galati <b>Fatigue Life Estimation of a Layered Composite Plate</b>
<b>2016-3</b>	Bogdan Ionut Lupu, Elena-Felicia Beznea, Ionel Chirica - "Dunarea de Jos" University of Galati <b>Buckling and ultimate strength assessment of ship hull layered composite panels</b>
<b>2016-4</b>	Papadatu Carmen Penelopi - "Dunarea de Jos" University of Galati <b>Improvement of the properties through the modeling and optimization of the cooling regimes applied to a laminated steel</b>
<b>2016-5</b>	Papadatu Carmen Penelopi, Bordei Marian - "Dunarea de Jos" University of Galati <b>Experiment and prediction model regarding the behavior of the nitrided layer during a wear process</b>
<b>2016-6</b>	Luigi Mistodie, Carmen Catalina Rusu, Elena Scutelnicu -"Dunarea de Jos" University of Galati <b>Study on anti-corrosive coating of welded pipelines</b>
<b>2016-7</b>	Laurentiu Ardeleanu, Constantin Bratu, Ioan Marginean - University Politehnica of Bucharest <b>Effects of salt treatment and casting process for aluminum alloy used in fabrication of metal moulds</b>

<b>2016-8</b>	Florentina Rotaru (Paraschiv), Ionel Chirica, Elena- Felicia Beznea- "Dunarea de Jos" University of Galati <b>Influence of the honeycomb geometry on the sandwich composite plate behavior</b>
<b>2016-9</b>	Basliu Vasile, Vlad Maria, Gelu Movileanu - "Dunarea de Jos" University of Galati <b>Possibilities of obtaining composite materials with technological role by incorporating granular particles in metal matrix</b>
<b>2016-10</b>	Neacșu M.I., Dobrovici S. - "Dunarea de Jos" University of Galati <b>Mathematical modeling and optimization of carbonitridings fluidized steel OLC 25</b>
<b>2016-11</b>	Neacșu M.I., Dobrovici S. - "Dunarea de Jos" University of Galati <b>Influence on the content of carbon layer depth carbonitrides fluidized steels OLC 15, OLC25 and OLC45</b>
<b>2016-12</b>	Neacșu M.I., Dobrovici S. - "Dunarea de Jos" University of Galati <b>Influence of technological parameters of carbonitridings fluidized parts on surface hardness carbonitride</b>
<b>2016-13</b>	Marcus Maria-Iuliana <sup>a</sup> , Vlad Maria <sup>b</sup> , Mîtiu Mihaela Andreea <sup>a</sup> - "Dunarea de Jos" University of Galati <b>Influence of different galvanic sludge types on the extraction efficiency of chromium ions</b>
<b>2016-14</b>	Gheorghe Gurau, C. Gurau, F. Tolea, M. Valeanu, V. Sampath, L.G. Bujoreanu - "Dunarea de Jos" University of Galati <b>Effect of severe plastic deformation on the structure and magnetic behaviour of an Fe-Mn-Si shape memory alloy</b>
<b>2016-15</b>	Gheorghe Gurau, C. Gurau, M. Banu, L.G. Bujoreanu - "Dunarea de Jos" University of Galati <b>Microstructural evolution in ultrafine grained FeMnSiCr shape memory alloy modules</b>
<b>2016-16</b>	Tamara Radu - "Dunarea de Jos" University of Galati <b>Treatment of the wastewater from the metallic coatings process</b>
<b>2016-17</b>	E.M. Stefan, I. Stefan, M. Chisamera - University Politehnica of Bucharest, Romania <b>Thermal analysis of CaBa-inoculated grey cast iron</b>
<b>2016-18</b>	Florentina Potecasu <sup>a</sup> Octavian Potecasu <sup>a</sup> , Francisco Manuel Braz Fernandes <sup>b</sup> , Petrică Alexandru <sup>a</sup> , Alexandru Alexa <sup>a</sup> - a- "Dunarea de Jos" University of Galati, b- New University of Lisbon, Portugal <b>Obtaining and characterization of Ni-Ti alloys processed through powder metallurgy</b>
<b>2016-19</b>	Florentina Potecasu, Octavian Potecasu, Mihaela Marin, Florin Bogdan Marin, Florica Chicos- "Dunarea de Jos" University of Galati <b>The influence of the deformation degree on the mechanical properties and microstructure of the blanks obtained by tube and wire drawing</b>
<b>2016-20</b>	Ionescu Stefania Mita, Nechita Petronela- "Dunarea de Jos" University of Galati <b>Thermo-insulating panels based on composite structures from vegetal fibres and polymeric matrix</b>
<b>2016-21</b>	Lucica Balint, Gina-Genoveva Istrate- "Dunarea de Jos" University of Galati <b>Thermic treatment effect on the electroless layers characteristics of NI-P-AL2O3 composites</b>
<b>2016-22</b>	Adrian Presura, Ionel Chirica, Elena-Felicia Beznea -"Dunarea de Jos" University of Galati <b>Behavior analysis of a ship structure made out of composite materials</b>
<b>2016-23</b>	Carmen Catalina Rusu, Luigi Renato Mistodie, Elena Scutelnicu - "Dunarea de Jos" University of Galati <b>Modular multi-process welding system used for HSLA materials joining</b>
<b>2016-24</b>	Maria Baciu <sup>1</sup> , Elena-Raluca Baciu <sup>2*</sup> , Ramona Cimpoeșu <sup>1</sup> , Irina Gradinaru <sup>2</sup> <b>Study on Ni-Cr-Mo dental alloy subjected to electrocorrosion in artificial saliva</b>
<b>2016-25</b>	Florentina Potecasu, Mihaela Marin, Octavian Potecasu, Florin Bogdan Marin- "Dunarea de Jos" University of Galati <b>Influence of the iron oxide phases in steam oxidation on the mechanical properties and abrasive wear of sintered iron materials</b>
<b>2016-26</b>	Mihaela Marin, Florentina Potecasu, Octavian Potecasu, Florin Bogdan Marin- "Dunarea de Jos" University of Galati <b>Influence of the pore characteristics on microstructure, mechanical properties and abrasive wear of sintered iron-based alloys subjected to a thermochemical treatment</b>
<b>2016-27</b>	Petrica-Eduard Chirila, Ionel Chirica, Elena-Felicia Beznea, George Solomon -"Dunarea de Jos" University of Galati <b>Damping properties of magnetorheological elastomers</b>
<b>2016-28</b>	Razvan Rosculeț, Catalin Fetecau, Felicia Stan, Tapu Costel -"Dunarea de Jos" University of Galati <b>"Using of 3D printing by the criminologists for facial reconstruction operations"</b>

<b>2016-29</b>	Alexandru Petrica, Boiciuc Simona -"Dunarea de Jos" University of Galati <b>Construction and characterization of a planar magnetron sputtering source</b>
<b>2016-30</b>	Alexandru Petrica, Boiciuc Simona -"Dunarea de Jos" University of Galati <b>The selection and characterization of absorbing coating to laser surface quenching of high-speed steel</b>
<b>2016-31</b>	Marin Florin Bogdan, Potecasu Florentina, Marin Mihaela, Petrica Alexandru -"Dunarea de Jos" University of Galati <b>Automatic grain size determination in microstructures using computer vision algorithm based on SVM</b>
<b>2016-32</b>	Potecasu Octavian, Marin Florin Bogdan -"Dunarea de Jos" University of Galati <b>Design of Automatic Vision-based Inspection System for empty bottles</b>
<b>2016-33</b>	Potecasu Octavian, Alexandra Bucur, Marin Florin Bogdan -"Dunarea de Jos" University of Galati <b>Virtual interactive prototyping based on FBS approach</b>
<b>2016-34</b>	Marin Florin Bogdan, Petrea Ionel, Madalin Deacu -"Dunarea de Jos" University of Galati <b>Computer vision algorithm for collision detection in case of industrial environment</b>
<b>2016-35</b>	Mihaela Marin, Octavian Potecasu, Florentina Potecasu, Alexandru Petrica -"Dunarea de Jos" University of Galati <b>Research regarding the effect of fluidized- bed carburizing on microstructure and wear behavior of sintered alloys</b>
<b>2016-36</b>	Florentina Potecasu, Marin Florin Bogdan, Octavian Potecasu, Mihaela Marin -"Dunarea de Jos" University of Galati <b>Image analysis software for porosity measurements in some powder metallurgy alloys</b>
<b>2016-37</b>	Mihaela Marin, Florentina Potecasu, Tamara Radu -"Dunarea de Jos" University of Galati <b>Corrosion protection of some iron based materials obtained by powder metallurgy</b>
<b>2016-38</b>	Anca-Ionela Istrate, Florin Nastase, Iuliana Mihalache, Florin Comanescu, Raluca Gavrila, Bogdan Bita, Mihai Danila, Vasilica Tucureanu- National Institute for Research and Development in Microtechnologies (IMT - Bucharest), Bucharest, Romania <b>Calcium doped ZnO thin films by sol-gel for applications in microelectronics</b>
<b>2016-39</b>	Cristian Banacu <sup>1</sup> , Bianca Georgiana Olaru <sup>2-1</sup> Bucharest University of Economic Studies, Romania, <sup>2</sup> University of Agronomic Sciences and Veterinary Medicine, Bucharest, Romania <b>The eco-efficiency of recycling the organic waste for agriculture purposes</b>
<b>2016-40</b>	Nelu Cazacu - "Dunarea de Jos" University of Galati <b>Behavior of an experimental model of vertical axis wind turbine (vawt), having a pair of hemispherical cup-shaped blade and centrifugal variable overlapping controled</b>
<b>2016-41</b>	Nelu Cazacu- "Dunarea de Jos" University of Galati <b>Fluidized bed nitrocarburizing applied to ASTM A537 HSLA steel after pulse laser hardening</b>
<b>2016-42</b>	Nelu Cazacu- "Dunarea de Jos" University of Galati <b>Behavior under low wind speeds for a model of vertical axis wind turbine, biomimetic inspired by the seeds of ailanthus altissima</b>
<b>2016-43</b>	Liviu Gurau, Carmela Gurau -"Dunarea de Jos" University of Galati <b>Design of microalloyed steel for wind turbine towers and influence of chemical composition on microstructure and mechanical properties</b>
<b>2016-44</b>	Stela Constantinescu - "Dunarea de Jos" University of Galati <b>Investigation elastic mechanical properties of tin thin films</b>
<b>2016-45</b>	Stela Constantinescu - "Dunarea de Jos" University of Galati <b>The protective niobium carbide coatings obtained by CVD method</b>
<b>2016-46</b>	Claudia Dragna, Adrian Ioana, Nicolae Constantin, Massimo Polifroni, Lucian Păunescu - Politehnica University Bucureti <b>Modeling and optimisation of electric arc furnace (EAF) dedusting system</b>
<b>2016-47</b>	Papadatu Carmen Penelopi, Marian Bordei - "Dunarea de Jos" University of Galati <b>Modeling and optimization of the cooling regimes applied to a laminated steel for elements of metal structures subjected to small requests</b>
<b>2016-48</b>	Adrian Vasiliu, Simion Ioan Balint -"Dunarea de Jos" University of Galati <b>Influence of CaO addition on mineralogy of iron ore sinter</b>
<b>2016-49</b>	Stefan Dragomir, Adrian Vasiliu -"Dunarea de Jos" University of Galati <b>A new vision on integrate system for waste management</b>

**Section III: UGALMat Nano6**  
**NANOTECHNOLOGIES AND FUNCTIONALS MATERIALS**

<b>2016-50</b>	Vlad Gabriel Vasilescu, Elisabeta Vasilescu - "Dunarea de Jos" University of Galati <b>High biocompatibility alloys used in oral implants</b>
<b>2016-51</b>	Laurentia Andrei, Marius Vasie, Ana Cristescu, Bogdan Cristescu -"Dunarea de Jos" University of Galati <b>Alternative and Additive Manufacturing for the Noncircular Gears Prototypes</b>
<b>2016-52</b>	Lavinia Tofan <sup>a</sup> , Rodica Wenkert <sup>b</sup> , Carmen Paduraru <sup>a</sup> – <sup>a, c</sup> "Gheorghe Asachi" Technical University of Iasi, Romania, <sup>b</sup> Soroka University Medical Center, Beer-Sheva, Israel <b>Applicability of natural hemp fibers as sorbent for Ni(II) ions from aqueous solutions</b>
<b>2016-53</b>	Relu-Marian Dumitru, Florin Stefanescu, Gigel Neagu, Alexandru Ploscaru University Politehnica of Bucharest <b>Properties and applications of hybrid metal matrix composites aluminium-alumina-graphite</b>
<b>2016-54</b>	Alexandru Ploscaru, Florin Stefanescu, Gigel Neagu, Relu-Marian Dumitru - University Politehnica of Bucharest <b>Modelling of particles distribution in the liquid aluminium-alumina composites</b>
<b>2016-55</b>	Abdelghani Boucheham , Ahcene Karaali, Yassmina Keriti - Université des Frères Mentouri - Constantine, Algérie <b>Effect of thermal oxidation temperature on the corrosion behavior of Ti6Al4V alloys for dental application</b>
<b>2016-56</b>	Abdelghani Boucheham , Ahcene Karaali, Amar Manseri - Université des Frères Mentouri - Constantine, Algérie <b>Elaboration of titania nanotubes on Ti6Al4V substrate by electrochemical anodization for dental application</b>
<b>2016-57</b>	Tamara Radu - "Dunarea de Jos" University of Galati <b>Obtaining of the Ni-P coatings on steel strips</b>

**Saturday, 21 May 21, 2016**

<b>Time</b>	<b>Event</b>	<b>Location</b>
<b>8<sup>30</sup>-9<sup>30</sup></b>	<b>Presentation of works, on sections Conclusions, Closure of the works</b>	Faculty of Engineering, 111 Domneasca Street, Building M, Room AN 007
<b>9<sup>30</sup>-11<sup>30</sup></b>	<b>Short trip by ship on the Danube</b>	Bd. Marii Uniri, Danube promenade, near the "Vega" hotel

**organized by**  
**Department of Material Science and Engineering,**  
**Faculty of Engineering,**  
**"Dunarea de Jos" University of Galati, Romania**

