

**Materiali 2016****Forum Nazionale dei Giovani Ricercatori di  
Scienza e Tecnologia dei Materiali  
Ischia Porto, 11-13 Luglio 2016**

Lunedì 11/07/2016		
14:00-15:00	<b>ISCRIZIONE</b>	
15:00-15:15	<b>APERTURA DEI LAVORI</b>	
15:15-16:45	<b>COMUNICAZIONI ORALI</b>	
	O1	<b>Mattia Rapa</b> Functionalized Gold Nanoparticles for Quality Assessment of Extravirgin Olive Oil
	O2	<b>Pietro Camarda</b> Study of ZnO Nanoparticles Synthesized by Pulsed Laser Ablation of a Zn Plate in Water
	O3	<b>Laura Fontana</b> Synthesis and Characterization of Noble Metal Nanoparticles Stabilized with Bifunctional Thiols for Networks Formation
	O4	<b>Sara Mondini</b> Nitrilimine Cycloadditions Catalysed by Iron Oxide Nanoparticles
	O5	<b>Cristina Tiozzo</b> Synthesis of Pd Nanoparticles Stabilized by 1-Hexyl-3-Methylimidazolium Iodide [Hmim][I] and their Catalytic Activity in Mizoroki-Heck Reaction
	O6	<b>Massimo Tawfilas</b> Compatibilization of TiO <sub>2</sub> Nanoparticles into Organic Materials through Grafting from and Grafting to Surface Modification
	O7	<b>Giovanna Testa</b> Gold and Silver Nanoparticles Capped by Charged Thiol: Electrical Characterization of the Interface in Water Solutions
16:45-18:00	<b>SESSIONE POSTER</b>	
18:00-19:15	<b>COMUNICAZIONI ORALI</b>	
	O8	<b>Ivana Miletto</b> Functionalized Mesoporous Silica Nanoparticles as Theranostic Nanoplatform for Optical Imaging and Photodynamic Therapy
	O9	<b>Marianna Barbalinardo</b> Multiscale Fabrication of Biocompatible and Biodegradable Scaffolds for Regenerative Medicine
	O10	<b>Barbara Porsio</b> Microstructured Polymeric/Sugar Systems for Tobramycin Administration in Cystic Fibrosis
	O11	<b>Sara Busatto</b> Nanoscale Characterization of Extracellular Vesicle is Mandatory to Assess their Biological Activity and Biotechnological Exploitation
	O12	<b>Cinzia Scialabba</b> Multi Sensitive Inulin Graft Copolymer Coated SPIONs for Selective Targeting to Tumor Cells
O13	<b>Nicolò Mauro</b> Reduced Grafene Oxide/Doxorubicin Conjugate Nanocomposites for the Selective Photothermal Treatment of Breast Cancer	

**Martedì 12/07/2016 - Mattina**

<b>COMUNICAZIONI ORALI</b>	
<b>09:00-10:30</b>	O14 <b>Alberta Aversa</b> Selective Laser Melting of Aluminum Matrix Nanocomposites
	O15 <b>Andrea Bedon</b> Design and Synthesis of Nanocomposite Electrodes for SOFCs
	O16 <b>Virgilio Genova</b> Preparation and Characterization of Carbon Nanotube Reinforced Aluminum Composites
	O17 <b>Cesare Signorini</b> Mechanical Optimization of Hybrid Matrices in FRP/FRCM Composite Materials for Application in Structural Restoration of Historical Buildings
	O18 <b>Virginia Barbieri</b> Influence of Climate Conditions in the Setting Times of Hybrid Matrix Systems Used for Recovery of Damaged Buildings
	O19 <b>Ramon Bueno Morles</b> CVD Carbon Nano-Coating of Carbon Fiber for Space Materials Protection against Atomic Oxygen
	O20 <b>Pietro Giovanni Cerchier</b> PEO Coating Containing Silver or Copper Particles: Antifouling Properties and Corrosion Resistance of Coated AA7075
<b>10:30-11:00</b>	<b>COFFEE BREAK</b>
<b>COMUNICAZIONI ORALI</b>	
<b>11:00-12:00</b>	O21 <b>Mattia Biesuz</b> Flash Sintering of Alumina
	O22 <b>Jan Hostasa</b> Transparent Ceramics for Laser Applications
	O23 <b>Luca Spiridigliozzi</b> Effect of Flash-Sintering on Gadolinium Doped-Ceria
	O24 <b>Paolo Sassatelli</b> Properties of 3rd Generation HVOF (High Velocity Air Fuel) Sprayed Fe-Based Alloy, WC- and Cr <sub>3</sub> C <sub>2</sub> - Based Hardmetal Coatings
	O25 <b>Giulio Marchese</b> Study of Inconel 625 Alloy Produced by Direct Metal Laser Sintering: Characterization and Heat Treatments Set-Up
<b>12:00-13:00</b>	<b><i>“La figura del Ricercatore universitario nell’attuale contesto normativo” Intervento di Elpidio Romano (rappresentante ARTeD) e tavola rotonda</i></b>
<b>13:00-16:30</b>	<b>PRANZO E TEMPO LIBERO</b>

**Martedì 12/07/2016 - Pomeriggio**

<b>COMUNICAZIONI ORALI</b>	
<b>16:30-18:20</b>	O26 <b>Maria Ludovica Casnedi</b> Generalised Fractal Model for Predicting Absorption Properties of Porous Materials
	O27 <b>Mattia Negroni</b> Molecular Rotors in Porous Materials
	O28 <b>Jacopo Perego</b> Confined Polymerization in Porous Materials
	O29 <b>Francesca Ferrari</b> Development of a Self Healing Polymer from Cyclic Butylene-Terephthalate
	O30 <b>Andrea Bernardi</b> Glycidyl Methacrylate Grafting from Cellulose to Nano Cellulose: Preparation and Properties
	O31 <b>Miriam Scoti</b> Stress Induced Crystallization in Ethylene-Propylene-Diene Terpolymers
	O32 <b>Andrea Zendrini</b> Plasmonic Exosomes for Enhanced Monitoring of Monoclonal Gammopathies
	O33 <b>Gabriella D'escamard</b> Fast Calorimetry of Polystyrene at Different Molecular Weights
	O34 <b>Matteo Ferrari</b> Experimental Study of Radiation Damage of Elastomeric Materials Used in Accelerators for the Production of Radioactive Ion Beams
<b>18:20-18:35</b>	<b>PAUSA</b>
<b>COMUNICAZIONI ORALI BREVI</b>	
<b>18:35-19:35</b>	SO1 <b>Carmen Cavallo</b> On the Thermal and Thermodynamic (In)Stability of Methylammonium Lead Halide Perovskites
	SO2 <b>Claudio Cason</b> Gold Alloys Hardening: Effect of Composition and Heat Treatment on Mechanical Properties of Gold Alloys
	SO3 <b>Sergio Lorenzi</b> Relationship Between Microstructure and Corrosion Resistance of Aluminium Alloy Produced by Selective Laser Melting
	SO4 <b>Stefano Mori</b> Low Temperature Titania Coatings for Corrosion Protection
	SO5 <b>Rosa Taurino</b> Antibacterial Functionalization of PVC by Chitosan Addition for Agricultural Application
	SO6 <b>Alessandra Mobili</b> What if We Use Biomass Ashes to Activate One-Part Geopolymers?
	SO7 <b>Tiziana Fuoco</b> Biodegradable and Thiol Functionalized Aliphatic Copolyesters
	SO8 <b>Nicola Gargiulo</b> Environmentally Sustainable Synthesis of a Zeolitic Adsorbent for Effective CO <sub>2</sub> Capture
	SO9 <b>Alessia Quitadamo</b> Use of Industrial Waste Paper as Filler in Thermoplastic Matrix Composite
	SO10 <b>Marco Consumi</b> Novel Extended-Released Formulation of Monascus Fermented Rice Extract (RYR)
	SO11 <b>Jacopo Donnini</b> Study of Advanced Cement-Based Composites with Enhanced Functional Properties
	SO12 <b>Michele Petrecca</b> Magnetic Nanoparticles: from Powders to Final Products

**Mercoledì 13/07/2016**

<b>COMUNICAZIONI ORALI</b>	
<b>09:00-10:30</b>	O35 <b>Silvia Beretta</b> Anodised Titanium and Localised Corrosion Resistance
	O36 <b>Luca Pezzato</b> Corrosion Resistance Properties of PEO Coated AZ91 Alloy After Sealing With Lanthanum-Containing Solutions
	O37 <b>Laura Paglia</b> Synthesis and Characterization of Electroless Ni-P Alloys for Anti-Wear and Anti-Fouling Coatings
	O38 <b>Alberto Garbujo</b> Study on Highly Doped Mn-Based Perovskite as Catalyst for Automotive Exhaust Gas
	O39 <b>Matteo Compagnoni</b> Flame Synthesized Catalysts for Hydrogen-Enriched Syngas Production by Low Temperature Steam Reforming
	O40 <b>Emanuela Mastronardo</b> Functionalized Carbon Based Hybrid Materials for MgO/H <sub>2</sub> O/Mg(OH) <sub>2</sub> Chemical Heat Pump for the Recovery of Medium Temperature Waste Heat
	O41 <b>Elsa Quartapelle Procopio</b> Dinuclear Tricarbonyl Re(I) Complexes: New Efficient Electrocatalytic Systems for CO <sub>2</sub> Reduction
<b>10:30-11:00</b>	<b>COFFEE BREAK</b>
<b>COMUNICAZIONI ORALI</b>	
<b>11:00-12:30</b>	O42 <b>Irene Vassalini</b> Paper-Based Smart Interfaces: Controlling Information Storage by Chemically Activated Oscillations
	O43 <b>Daniele De Felicis</b> 2.5D Pattern Realization for Ion Nanolithography Using Focused Ion Beam Nanomachining Technics
	O44 <b>Denis Gentili</b> Micro and Nanostructuring of Functional Materials by Stamp-Assisted Techniques
	O45 <b>Michele Mauri</b> Simple, Versatile, Inexpensive: Proton (TD)NMR for the Study of Materials
	O46 <b>Lorenza Carabba</b> Thermal Properties of Fly Ash Based Geopolymers Containing Refractory Powder
	O47 <b>Laura Ricciotti</b> Preparation and Characterization of New Fly Ash Geopolymer-Epoxy Composites
	O48 <b>Francesco Messina</b> Influence of Curing Temperature on Mechanical Properties of Alkali Activated Binders for Precast Concrete Applications
<b>12:50-13:00</b>	<b>Premiazione "Migliore presentazione" e "Miglior poster"</b>
<b>13:00-14:30</b>	<b>Pranzo</b>
<b>14:30-16:30</b>	<b>Sessione plenaria Forum Giovani Ricercatori e Convegni AIMAT-SIB</b>
<b>20:30</b>	<b>Cena sociale</b>