

## PROGRAMMA SCIENTIFICO workshop AICIng 2017

**Lunedì 12 giugno**

8:30-9:00	<b>Registrazione</b> presso Auditorium del Politecnico di Milano
9:00-9:20	<p><b>Saluti di benvenuto:</b></p> <p>Prof. <b>Maurizio Masi</b> - Direttore del Dipartimento di Chimica, Materiali e Ingegneria Chimica "G. Natta" (<i>Politecnico di Milano</i>)</p> <p>Prof.ssa <b>Chiara Castiglioni</b> - Coordinatore del Dottorato di Ingegneria dei Materiali (<i>Politecnico di Milano</i>)</p> <p>Prof. <b>Alessio Frassoldati</b> - Coordinatore del Dottorato in Chimica Industriale e Ingegneria Chimica (<i>Politecnico di Milano</i>)</p> <p>Prof. <b>Salvatore Failla</b> – Presidente AICIng (<i>Università degli Studi di Catania</i>)</p>
9:20-10:00	<b>Conferenza Plenaria Prof. Paolo Ferruti</b>
<b>Sessione 1: Chairperson</b> Giuseppina Raffaini	
10:00-10:15	<b>Beatrice Berionni Berna:</b> Corrole-phthalocyanine conjugates: when union is strength for optoelectronics
10:15-10:30	<b>Lorena Anna Ditta:</b> Multifunctional nanogels from e-beam irradiation of PVP aqueous solutions, only
10:30-10:45	<b>Emilia Paone:</b> Selective transfer hydrogenolysis of benzyl phenyl ether promoted by Pd/Fe <sub>3</sub> O <sub>4</sub> catalyst
10:45-11:00	<b>Francesco Distante:</b> Vicinal effect in the Ring Opening Polymerization (ROP) of lactones
11:00-11:30	<i>Coffee Break</i>
<b>Sessione 2: Chairperson</b> Elisa Fasoli	
11:30-11:45	<b>Bianca Gumina:</b> Bio-ethanol production from crystalline cellulose promoted by the heterogeneous PdFe catalyst
11:45-12:00	<b>Arianna Rossetti:</b> Synthesis of Novel Bispidine Ligands and their Coordination Polymers
12:00-12:15	<b>Roberto Sole:</b> Smart Materials for Active Packaging
12:15-12:30	<b>Francesca Baldassarre:</b> Development and prospects of nanostructured smart systems for crop protection

12:30-12:45	<b>Ivan Pietro Oliveri:</b> Synthesis, aggregation properties, and computational investigation on a series of bis(salicylaldiminato)zinc(II) Schiff-base complexes varying the bridging diimine
12:45-13:00	<b>Andrea Savoldelli:</b> Poly-acrolein microspheres functionalized with cobalt corroles for chemical sensor applications
13:00-14:30	<i>Pranzo presso l'Auditorium del Politecnico di Milano</i>
<b>Sessione 3: Chairperson Franca Castiglione</b>	
14:30-14:45	<b>Veronica Ambroggi:</b> Light-triggered release of natural active agents from polymeric nanocapsules
14:45-15:00	<b>Irene Vassalini:</b> Polycarbonate/Carbon Nanotube/TiO <sub>2</sub> Composite Photoactuators for Chemical Application
15:00-15:15	<b>Vincenzina Barbera:</b> Domino reaction for the controlled functionalization of sp <sup>2</sup> carbon allotropes
15:15-15:30	<b>Emanuela Mastronardo:</b> Synthetic strategies for tailoring the performances of Carbon/Mg(OH) <sub>2</sub> materials for thermochemical heat storage application
15:30-15:45	<b>Mario Branchi:</b> Poly(phenylene sulfide sulfone), polymer electrolyte with improved oxidation stability for redox flow battery applications
15:45-16:15	<i>Coffee Break</i>
<b>Sessione poster: Chairperson Davide Tessaro</b>	
16:15-17:15	<b>Presentazioni Flash su Poster</b>
17:15-18:30	<b>Sessione Poster</b>
20:00	<b>Cena Sociale al "Birrificio Lambrate" – via Golgi, 60</b>

## Martedì 13 giugno

<b>Sessione 4: Chairperson Giancarlo Terraneo</b>	
9:00-9:15	<b>Luca Catalano:</b> Engineering Crystalline Supramolecular Rotors via Halogen Bonding
9:15-9:30	<b>Matteo Busato:</b> Structural and Thermodynamic Properties of Transition Metal Ions in Room Temperature Ionic Liquids (RTILs)
9:30-9:45	<b>Andrea Fiorati:</b> Cellulose based materials: from environmental application to controlled drug release
9:45-10:00	<b>Gabriele Tarquini:</b> Lithium polysulfide catholyte for lithium–sulfur batteries
10:00-10:15	<b>Roberto Grisorio:</b> Molecular Tailoring of Phenothiazine-Based Hole-Transporting Materials for High-Performing Perovskite Solar Cells
10:15-10:30	<b>Renato Pelosato:</b> Iron doping and Ba deficiency in $\text{NdBaCo}_2\text{O}_{5+\delta}$ Cathodes for IT-SOFCs
10:30-11:00	<i>Coffee Break</i>
<b>Sessione 5 : Chairperson Lucio Melone</b>	
11:00-11:15	<b>Laura Piperno:</b> Study of two different Artificial Pinning strategies in $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ films deposited by Metal Organic Decomposition method
11:15-11:30	<b>Giuseppina Luciani:</b> Ceramic templated melanin nanostructures: a novel synthesis approach to bio-functional hybrid materials
11:30-11:45	<b>Flavia Bollino:</b> Chemical characterization of organic-inorganic hybrids synthesized via sol gel for the biomedical field
11:45-12:00	<b>Alessandra Vitale:</b> Photocured siloxane polymers for genomic microfluidic applications
12:00-12:30	<b>Premiazioni e chiusura lavori</b>

## SESSIONE POSTER

- **FP1 Bernardi, Andrea** Master curves for the mechanical reinforcement of diene elastomers with  $sp^2$  carbon allotropes
- **FP2 Vergaro, Viviana** A preliminary in vivo evaluation of  $CaCO_3$  nanocrystals for drug delivery
- **FP3 Maiolo, Daniele** Self-Assembled Bio-Reducible Hybrid Supraparticles
- **FP4 Ragusa, Andrea** Engineered NanoDrugs for the Treatment of Parkinson Disease
- **FP5 Petroselli, Manuel** Aerobic Oxidation catalyzed by N-hydroxy compounds: New frontiers in industrial and biological applications
- **FP6 Gurian, Elisa** New solid SERS substrates in bioanalytics
- **FP7 Trovato, Valentina** Humidity/temperature sensing cotton fabric based on MWCNTs hybrid coating
- **FP8 Rainer, Alberto** Engineering functional skeletal muscle networks by tailoring matrix stiffness and geometrical confinement
- **P09 Allegretti, Chiara** Lignin-based nanofillers for bio-based thermoplastic polymer nanocomposites
- **P10 Bursi, Elena** Investigations on activating solutions from waste and by-products treatment for geopolymerization
- **P11 Casalegno, Mosè** Charge separation at organic photovoltaic interfaces: a coarse-grained quantum chemical view
- **P12 Chronopoulou, Laura** Biosynthesis of injectable peptide hydrogels for biotechnological applications
- **P13 Crotti, Michele** Multienzymatic and Stereoselective preparation of 2,3-Disubstituted Tetrahydrofurans: The Roasted Meat Aroma Synthesis
- **P14 Curcio, Efrem** Membrane-based crystallization of biomolecules
- **P15 Del Sole, Roberta** Molecularly Imprinted Solid Phase Extraction as a novel approach for radiopharmaceutical products purification
- **P16 Faura Munoz, Georgina** Synthesis of  $Fe_3O_4@SiO_2$ -DFO Nanoparticles for Lanthanide(III) recovery
- **P17 Leonardi, Gabriella** Synthesis of pyrrole derivatives of serinol for functionalization of carbon allotropes
- **P18 Pandolfi, Fabiana** BMIm Acetate as Carbene Source: an Electrochemical Evidence

- P19 **Pennetta**, Chiara Amino- and guanidinoglycoside based vectors for cell transfection
- P20 **Pugliese**, Andrea Anisotropic diffusion in PEO-LiTFSI-Pyr<sub>14</sub>TFSI ternary systems: <sup>1</sup>H microimaging NMR study
- P21 **Rossi**, Bianca Aerogels of enzymatically oxidized galactomannans: versatile delivery systems of antimicrobial compounds and enzymes
- P22 **Suranna**, Gian Paolo Truxene-based Hole Transporting Materials for Perovskite Solar Cells: Direct vs Inverted Configuration Devices
- P23 **Tentori**, Francesca Calcium alginate: a powerful tool in technological upgrade for biocatalytic reactions. Immobilization of *Acetobacter aceti* in 1,3-diols oxidation
- P24 **Vitiello**, Giuseppe On the morphological, structural and charge transfer properties of F-doped ZnO: a spectroscopic investigation