

## Conference Program

### Sunday, June 3, 2012

- 17:00-19:30    **Registration**  
20:00            **Welcome Party**

### Monday, June 4, 2012

- 08:00-8:45    **Registration**  
08:45-09:00   **Opening (G. Galli)**

**Chair: N.R. Cameron**

- 09:00-09:30   **IL1**    **E.L. Thomas**, J.H. Lee  
*Periodic Bicontinuous Polymer/Air Nanostructures: From Metamaterials to Extreme Mechanics*
- 09:30-10:00   **IL2**    **G. Guerra**, C. Daniel, C. D'Aniello, P. Rizzo, V. Venditto, O. Tarallo  
*Nanoporous-Crystalline Polymers*
- 10:00-10:20   **OC1**    **T. Budtova**, S. Berthon-Fabry, R. Sescousse, B. Simon  
*Nanoporous Carbons from Cellulose Aerogels as "Green" Templates for Electrochemical Applications*
- 10:20-10:40   **OC2**    L. Boarino, P. Delaporte, M. De Leo, D. Grojo, M. Laus, **G. Panzarasa**, K. Sparnacci  
*Mesoporous Silica Membranes by Self-Assembled Polymeric Nanosphere-Mediated Laser Ablation*

- 10:40-11:00   Coffee Break

**Chair: E.L. Thomas**

- 11:00-11:20   **OC3**    **F.A. Rasoul**, D.K. Wang, D.J.T. Hill, A.K. Whittaker  
*Novel Hydrogels Prepared from Amphiphilic Macromers with Porosity Controlled by in-situ Polymerization-Induced Phase Separation*
- 11:20-11:40   **OC4**    S. Scaglione, L. Coluccino, M. Vassalli, I. Schizzi, **P. Stagnaro**  
*Design, Realization and Multi-Level Characterization of Alginate-Based Scaffolds for Osteochondral Tissue Repair*
- 11:40-12:00   **OC5**    **C. Rudaz**, R. Courson, S. Etienne-Calas, T. Budtova  
*Ultra-light and Porous Polysaccharide-Based Materials*
- 12:00-12:20   **OC6**    **C. Daniel**, S. Longo, G. Guerra  
*Monolithic Polymer Aerogels With Crystalline Nanopores*
- 12:20-12:40   **OC7**    **M.P. Tsyurupa**, V.A. Davankov  
*Hypercrosslinked Polystyrene of Intrinsic Microporosity: From Design to Application*
- 12:40-14:30   Lunch
- 14:30-15:30   **POSTER SESSION I, P1-P25**

**Chair: A. Bismarck**

- 15:30-16:00 **IL3** **N.R. Cameron**, D.W. Johnson, S. Caldwell, E. Lovelady, S.D. Kimmins, C.M. Seyfert  
*Functional Porous Polymers by Emulsion Templating*
- 16:00-16:20 **OC8** **M.S. Silverstein**, I. Gurevitch, N. Cohen  
*Emulsion-Templated Polymer Systems from Nanoparticle Pickering Emulsions*
- 16:20-16:40 **OC9** **M. Sušec**, S. Clark Ligon, R. Liska, P. Krajnc  
*Photostructured Microcellular Polyesters from High Internal Phase Emulsions*
- 16:40-17:00 **OC10** **N. Graeber**, A. Bismarck  
*Impact of Surfactants and Internal Phase Ratios on the Mechanical Properties of PolyL/M/HIPES*
- 17:00-17:20 Coffee Break
- 17:20-17:40 **OC11** **S. Kovacic**, P. Krajnc, C. Slugovc  
*Ring Opening Metathesis Polymerization of Dicyclopentadiene in High and Medium Internal Phase Emulsions*
- 17:40-18:00 **OC12** **P. Viswanathan**, S. Chriasatitsin, A. Engler, G. Battaglia  
*Functionalization of PolyHIPE Matrices for Stem Cell Differentiation*
- 18:00-18:20 **OC13** **F. Audouin**, M. Fox, R. Larragy, B3. O'Connor, A. Heise  
*Design of New Highly Functional Polymer Grafted PolyHIPES for Protein Immobilization*
- 18:20-19:20 **POSTER SESSION I, P1-P25**

**Tuesday, June 5, 2012**

**Chair: P.J. Mesini**

- 09:00-09:30 **IL4** L.L. Ching Wong, S. Barg, A. Menner, E. Saiz, **A. Bismarck**  
*Graphene Oxide Macroporous Polymer Foam Nanocomposites Synthesised via Emulsion Templating*
- 09:30-10:00 **IL5** **H. Deleuze**, C. Forgacz, M. Birot  
*Preparation of Emulsion-Templated Macroporous Materials from a Renewable Source*
- 10:00-10:20 **OC14** **D.W. Johnson**, M. Didsbury, E. Lovelady, S. Caldwell, S.A. Przyborski, J.J.Wu, N.R. Cameron  
*Photo-“Click” Thiol-Ene Derived PolyHIPEs as Biodegradable Three Dimensional Cell Culture Scaffolds*
- 10:20-10:40 **OC15** **A. Menner**, Q. Jiang, A. Bismarck  
*Emulsion Templated Membranes for Micro- and Ultrafiltration*
- 10:40-11:00 Coffee Break

**Chair: M. Antonietti**

- 11:00-11:20 **OC16** **H. Bodugoz-Senturk**, D.A. Bichara, D. Ling, C. Gupta, MA. Randolph, O.K. Muratoglu  
*Non-Degradable Porous Poly(Vinyl Alcohol) Hydrogels for Cartilage Tissue Engineering*
- 11:20-11:40 **OC17** **J. Schmidt**, C. Bleschke, D.S. Kundu, S. Blechert, A. Thomas  
*Microporous Polymer Networks as Highly Selective Heterogeneous Asymmetric Organocatalyst*
- 11:40-12:00 **OC18** **X. Qiu**, N. Marroquin Jacobs, W. Wirges, R. Gerhard  
*Ferroelectrets: Internally Charged Polymer Foams for Piezoelectric Sensors*
- 12:00-12:20 **OC19** **P. Rizzo**, G. Guerra  
*Nanoporous Polymeric Films with Chiroptical Properties*
- 12:20-12:40 **OC20** **R. Seyedmahmoud**, A. Rinaldi, A. Rainer, P. Mozetic, S.M. Giannitelli, E. Traversa, S. Licocchia  
*Statistical Process Control of PLLA Electrospun Scaffolds for Tissue Engineering by Means of Full Factorial Design of Experiments*
- 12:40-14:30 Lunch
- 14:30-15:30 **POSTER SESSION II, P26-P50**

**Chair: A.I. Cooper**

- 15:30-16:00 **IL6** **M. Antonietti**  
*Porous Polymers and Porous Carbonaceous Resins for Sustainable Energy Applications*
- 16:00-16:30 **IL7** **P.J. Mesini**, T.-T.-T. Nguyen, N.A. Khan, M. Schmutz  
*Self-Assembled Nanotubes as Templates for Porous Materials*
- 16:30-16:50 **OC21** **B. Brand**, B. De Neuville, G. Storti, M. Morbidelli  
*Monoliths and Micro-Clusters by Reactive Gelation – Synthesis and Flow-Through Behaviour*
- 16:50-17:10 **OC22** W. Meouche, **C. Branger**, I. Beurroies, R. Denoyel, K. Laatikainen, A. Margaillan  
*Ion-Imprinted Polymers: Selective Porous Sorbents for the Recognition of Nickel*
- 17:10-17:30 Coffee Break
- 17:30-17:50 **OC23** **D. Comoretto**, V. Robbiano, G. Canazza, S. Ottonello, M. Aloisio, K. Sparnacci, M. Laus, L. Boarino, G. Zuccheri  
*Artificial Opals by Self-Assembled Core-Shell Microspheres: A Porous System for Tailoring Light-Matter Interaction*
- 17:50-18:10 **OC24** **F. Galeotti**, A. Andicsova, C. Botta  
*Arranging Micropores in a Polymer Film: Breath Figure Approach Towards Different Applications*
- 18:10-18:30 **OC25** **H. Zhang**, J.J. Hernandez Rueda, D.A. Ivanov, X. Zhu, M. Möller  
*Self-Assembly of Amphiphilic Wedge-Shaped Sulfonates: Nanochannel Formation and Ionic Conductivity*
- 18:30-19:30 **POSTER SESSION II, P26-P50**
- 20:00 **Wine & Cheese Party**

**Wednesday, June 6, 2012**

**Chair: G. Guerra**

- 09:00-09:30 **IL8** **A.I. Cooper**  
*Conjugated Microporous Polymers – A New Class of Functional Materials*
- 09:30-10:00 **IL9** **N.B. McKeown**, M. Carta, M. Croad, C.G. Bezzu, R. Malpass-Evans, K.J. Msayib, Y. Rogan  
*Synthesis and Properties of Polymers of Intrinsic Microporosity (PIMS)*
- 10:00-10:20 **OC26** **D. Farrusseng**, J. Canivet, M. Pera-Trrus, S. Aguado  
*Bridging the Gap Between Inorganic and Polymer Microporous Membranes*
- 10:20-10:40 **OC27** **A.G. McDermott**, P.M. Budd, N.B. McKeown, C.M. Colina, J. Runt  
*A Scattering Model for Polymers of Intrinsic Microporosity*
- 10:40-11:00 Coffee Break

**Chair: N.B. McKeown**

- 11:00-11:20 **OC28** **M.H. Bojdys**, A.I. Cooper  
*Designing Porosity in Functional Organic Materials*
- 11:20-11:40 **OC29** **E.M. Maya**, E. Verde, El Rangel R., F. Sánchez, Á. E. Lozano, J.G. De La Campa  
*Functionalized Porous Polymers by Direct Polymer Nitration/Reduction*
- 11:40-12:00 **OC30** J. Jeromenok, W. Böhlmann, **J. Weber**  
*Microporous Polymers from a Natural Resource and Their Use for Carbon Dioxide Capture*
- 12:00-12:20 **OC31** K. Helfs, A.I. Cooper, **A. Trewin**  
*Exploring the Structural Energy Landscape of Ultra Microporous Framework Materials*
- 12:20-12:40 **OC32** **K. Zhang**, F. Vilela, M. Antonietti  
*Surface Area Control of Conjugated Microporous Polymers*
- 12:40-14:30 Lunch
- 14:30-15:30 **POSTER SESSION III, P51-P73**

**Chair: H. Deleuze**

- 15:30-16:00 **IL10 U. Wiesner**  
*Porous Block Copolymer-Based Systems: From Design to Properties and Applications*
- 16:00-16:30 **IL11 M. Ulbricht**  
*Stimuli-Responsive Porous Membranes*
- 16:30-16:50 **OC33** F. Guo, A. Berthold, L. Schulte, L. Li, K. Sagar, **S. Ndoni**  
*Nanoporous Polymers with Controlled Morphology, Composition and Permeability*
- 16:50-17:10 **OC34 B. Le Droumaguet**, C. Zlotea, M. Latroche, M. Guerrouache, B. Carbonnier, D. Grande  
*Design and Synthesis of Hybrid Materials Based on Porous Polymers and Metallic Nanoparticles*
- 17:10-17:30 Coffee Break
- 17:30-17:50 **OC35 P. Tyagi**, D. Quemener, D. Bouyer, A. Deratani, T. Nt Phan, D. Gimes, D. Bertin, S. Iagerge  
*Elaboration of Self-Healing Porous Nanomaterials*
- 17:50-18:10 **OC36 J. Ph. Piel**, C. Defranoux  
*Characterisation of Porous Polymer Materials by Ellipsometric Porosimetry Technique*
- 18:10-18:30 **OC37 C. Tripisciano**, A. Leistner, I. Linsberger, A. Leistner, D. Falkenhagen, V. Webber  
*Effect of Anticoagulation on the Adsorption of Critical Coagulation Factors by Polymers with Different Charge and Porosity*
- 18:30-19:30 **POSTER SESSION III, P51-P73**
- 20:00 **Social Dinner**

**Thursday, June 7, 2012**

**Chair: U. Wiesner**

- 09:00-09:30 **IL12** **M. Monleón Pradas**  
*Porous Polymer Structures for Guided Tissue Regeneration*
- 09:30-09:50 **OC38** P. Escale, S.R.S. Ting, L. Rubatat, M. Save, M. Stenzel, **L. Billon**  
*Honeycomb Structured Porous Films Based on Glycopolymers for Lectin Recognizable Biomaterials*
- 09:50-10:10 **OC39** **M.-P. Tran**, J.-M. Thomassin, M. Alexandre, C. Detrembleur  
*Determination of the Relationship Between Morphology and Electrical Conductivity of Polymer/Carbon Nanotube Nanocomposite Foams*
- 10:10-10:30 **OC40** D.J. Van Houten, **D.G. Baird**  
*Generation of Low-Density High Performance Poly(Arylene Ether Sulfone) Porous Foams Using a Benign Processing Technique*

10:30-11:00 Coffee Break

**Chair: M. Ulbricht**

- 11:00-11:20 **OC41** **D. Costa**, A.J.M. Valente, M.G. Miguel, J. Queiroz  
*A Therapeutical Strategy Combining the Delivery of Genes and Anticancer Drugs*
- 11:20-11:40 **OC42** **A. Savnik**, J. Jancar, N.L. Krajnc, A. Podgomic, A. Strancar  
*Measuring Monoliths' Mechanical Properties*
- 11:40-12:00 **OC43** **C.T. Yavuz**, Y. Jung, M. Atilhan  
*Covalent Organic Polymers (COPs) for Enhanced CO<sub>2</sub> Adsorption and Water Treatment*
- 12:00-12:20 **OC44** B.F. Urbano, **B. L. Rivas**  
*Polymer-Clay Nanocomposites Resins: Effect of Montmorillonite on Metal Ion Uptake Properties*
- 12:20-12:40 **Closing Session**
- 12:40-14:30 Lunch