



Polymer processing with resulting morphology and properties: feet in the present and eyes at the future

An International Conference celebrating the (352)nd birthday of Giuseppe Titomanlio
Salerno 15-17 October 2015

<http://www.polymertechnology.it/gt70>

| Thursday October 15th 2015 | | | | |
|----------------------------|-------|---------------------|-----------------------|--|
| 14:00 | 15:00 | Registration | | |
| 15:00 | 15:30 | Opening | | |
| 15:30 | 16:00 | Keynote | Marrucci Giuseppe | Polymer rheology vs. Polymer Processing. Disappointment or love? |
| 16:00 | 16:15 | S01-59 | Agassant J.F. | A personal perspective on the use of modelling simulation for polymer melt processing |
| 16:15 | 16:30 | S01-69 | Barresi Antonello | Simulation of macromolecule self-assembly in solution: a multiscale approach |
| 16:30 | 16:45 | S01-7 | Huang Chao-Tsai | Dynamic Penetration Behavior of Core-material in Multi-Cavity Co-Injection Molding |
| 16:45 | 17:00 | S01-34 | Ianniruberto Giovanni | Parallel superposition flows of monodisperse entangled polymer solutions |
| 17:00 | 17:15 | S01-14 | Jansen K.M.B. | Residual stresses in injection molded products |
| 17:15 | 17:30 | S01-53 | Doghieri Ferruccio | Nonequilibrium EoS prediction for Swelling and Plasticization of Glassy Polymers by Vapor Sorption |
| 17:30 | 18:00 | Poster | | |
| 18:00 | 20:00 | Welcome | | |

| Friday October 16th 2015 | | | | |
|--------------------------|----------------------------------|----------------|-------------------------|---|
| 08:30 | 09:00 | Opening | | |
| 09:00 | 09:30 | Keynote | Nicolas Luigi | New Challenges in Composite Materials Research: from the Macro to the Nano Scale |
| 09:30 | 09:45 | S01-17 | Cakmak Miko | Field Assisted "Z" orientation of Nanophases to Produce Functional films using a Novel Roll to roll manufacturing platform |
| 09:45 | 10:00 | S01-22 | Hsiao Benjamin | Breakthrough Water Purification Technologies based on Nanofibrous Membranes |
| 10:00 | 10:15 | S01-24 | Maffettone Pier Luca | Particle manipulation through polymer solutions in microfluidic processes |
| 10:15 | 10:30 | S01-10 | Guarino Vincenzo | Electrohydrodynamic techniques to design instructive biomaterials for tissue engineering and drug delivery applications |
| 10:30 | 10:45 | S01-51 | Pontes Antonio | Laser welding process in PP molding parts: Evaluation of seam performance |
| 10:45 | 11:00 | S01-29 | Holzer Clemens | Research in manufacturing of micro-structured injection molded polymer parts |
| 11:00 | 11:30 | Coffee | | |
| 11:30 | 11:45 | S01-82 | Grizzuti Nino | Ordered mesophases of iPP-b-PE block copolymers |
| 11:45 | 12:00 | S01-9 | Gahleitner Markus | Crystallinity-Based Product Design: Utilizing the Polymorphism of Isotactic PP Homo- and Copolymers |
| 12:00 | 12:15 | S01-75 | Di Girolamo Rocco | Tailoring the properties of polymers via formation of a mesophase |
| 12:15 | 12:30 | S01-27 | Menyhárd Alfréd | Supermolecular Structures Formed In Isotactic Polypropylene In The Presence Of Soluble Nucleating Agents |
| 12:30 | 12:45 | S01-23 | Haudin Jean-Marc | An Analysis Of Transcrystallinity In Polymers |
| 12:45 | 13:00 | S01-5 | Piccarolo Stefano | What makes polymer crystallization depend on time |
| 13:00 | 14:30 | Lunch | | |
| 14:30 | 14:45 | S01-26 | Fulchiron René | Migration of insecticide molecules in a polymer filament obtained by melt spinning: influence of the fiber processing steps |
| 14:45 | 15:00 | S01-68 | Kulichikhin Valery | Novel approaches to fiber spinning process from polymer solutions |
| 15:00 | 15:15 | S01-72 | Liu Shih-Jung | Electrospun nanofibrous poly(lactide)/chitosan mats for the filtration of metal ions |
| 15:15 | 15:30 | S01-63 | Turng Lih-Sheng | Fabrication of Triple Layered Vascular Scaffolds by Combing Electrospinning, Braiding, and Thermally Induced Phase Separation |
| 15:30 | 15:45 | S01-36 | Delva Laurens | The upcycling of post-industrial PP/PET waste streams through in-situ microfibrillar preparation |
| 15:45 | 16:00 | S01-94 | Jayaraman Krishnamurthy | Masterbatch Additives for Processing Films from Polypropylene |
| 16:00 | 16:30 | Coffee | | |
| 16:30 | 16:45 | S01-74 | Lafleur Pierre | Effect of Chain Structure on PLA Film Blowing Process |
| 16:45 | 17:00 | S01-28 | Sterzynski Tomasz | Polyhedral oligomeric silsesquioxanes as modifiers of polyoxymethylene structure |
| 17:00 | 17:15 | S01-81 | Verney Vincent | Wood fibre (bio)composites : an hydrophobic/hydrophilic fight |
| 17:15 | 19:00 | Poster | | |
| 19:30 | Dinner and Happy birthday | | | |

| Saturday October 17th 2015 | | | | |
|----------------------------|-------|---------------------|--------------------------|---|
| 08:30 | 09:00 | Opening | | |
| 09:00 | 09:30 | Keynote | Bartolo Paulo JDS | The role of Bio Additive Manufacturing in regenerative medicine |
| 09:30 | 09:45 | S01-126 | Ica Manas-Zloczower | Synergistic Effects of Carbon Nanotubes and Graphene in Thermoplastic Polyurethane Nanocomposites |
| 09:45 | 10:00 | S01-52 | Park Chul | Effects of Uniaxial and Biaxial Orientation on Fiber Percolation in Conductive Polymer Composites |
| 10:00 | 10:15 | S01-76 | Covas José | Morphology Evolution during Manufacture and Extrusion of Polypropylene/Graphite Nanoplates Composites |
| 10:15 | 10:30 | S01-55 | Xia Hesheng | Structure Controlling of Graphene for Rubber Composites |
| 10:30 | 10:45 | S01-61 | Russo Pietro | Thermoplastic polyurethane/graphene nanocomposites: the effect of graphene oxide on morphological and functional properties |
| 10:45 | 11:00 | S01-73 | Kenig Samuel | Structure Evolution During Injection Molding Of Fiber And Nano Reinforced Polymers |
| 11:00 | 11:30 | Coffee | | |
| 11:30 | 11:45 | S01-57 | Sarti Giulio | Predictive calculations of gas solubility and permeability in glassy polymeric membranes: an overview |
| 11:45 | 12:00 | S01-62 | Iannace Salvatore | Processing and Properties of Multiscale Cellular Thermoplastic Fiber Reinforced Composite (CellFRFC) |
| 12:00 | 12:15 | S01-41 | Menner Angelika | Printed macroporous polymers with complex structures and shapes |
| 12:15 | 12:30 | S01-66 | Mauri Roberto | Non-equilibrium surface tension |
| 12:30 | 12:45 | S01-79 | Brucato Valerio | Optical characterization of phase transitions in pure polymers and blends |
| 12:45 | 13:00 | S01-30 | Canevarolo Sebastião | Development of an immiscible polymer/polymer/nanoparticle system in order to study the location of silica nanoparticles at polymer/polymer interface by quantitative optical microscopy |
| 13:00 | 14:30 | Lunch | | |
| 14:30 | 15:00 | Keynote | Coates Phil | The importance of temperature fields in process structuring of polymers in precision micromoulding |
| 15:00 | 15:15 | S01-11 | Cavallo Dario | Probing polymer crystallization at processing-relevant cooling rates with synchrotron radiation |
| 15:15 | 15:30 | S01-8 | Mykhaylyk Oleksandr | Effect of Molecular Weight Distribution and Processing Conditions on Flow-Induced Nucleation and Crystallization in Polymers |
| 15:30 | 15:45 | S01-25 | Schick Christoph | Experimental Test of Tammann's Nuclei Development Approach in Crystallization of Macromolecules |
| 15:45 | 16:00 | S01-80 | Di Lorenzo Maria Laura | The Irreversible Tetragonal to Trigonal Transformation in Random Butene-1/Ethylene Copolymers |
| 16:00 | 16:30 | Coffee | | |
| 16:30 | 16:45 | S01-50 | Martin Peter | Structure Property Development of aPET during Large Strain, Solid Phase Polymer Processing |
| 16:45 | 17:00 | S01-43 | Caelers Harm | Deformation and Failure kinetics of iPP polymorphs |
| 17:00 | 17:15 | S01-100 | Esposito Corcione Carola | Cure Reaction of Epoxy Resins catalyzed by Graphite-Based Nanofillers |
| 17:15 | 17:30 | S01-83 | Di Maio Ernesto | Gas foaming as an imprinting technique |
| 17:30 | 17:45 | Poster Award | | |
| 17:45 | 18:00 | Closing | | |