

LIST OF LECTURES

- L-01 Vlachopoulos, J., Polychronopoulos, N.D. **Rheology of Wood Plastic Composites Extrusion.** *McMaster University, Canada & Polydynamics Inc., Canada*
- L-02 Liparoti, S., Sorrentino, A., Speranza, V., Pantani, R., Titomanlio, G. **Structuring Injection Molding Parts with Fast Mold Temperature Evolution.** *University of Salerno, Italy & Institute for Polymers, Composites and Biomaterials, Italy*
- L-03 Bek, M., Emri, I. **A Breakthrough in Impact and Vibration Isolation.** *University of Ljubljana, Slovenia*
- L-04 Mitsoulis, E. **55 Years of the K-BKZ Constitutive Relation in Polymer Rheology and Processing.** *National Technical University of Athens, Greece*
- L-05 Omastová, M. **Polymeric Nanocomposites with Advanced Properties.** *Polymer Institute, Slovak Academy of Sciences, Slovakia*
- L-06 Pérez-González, J., Marín-Santibañez, B.M., Rodríguez-González, F. **Rheo-PIV for the Analysis of the Extrusion of Molten Polymers.** *Instituto Politécnico Nacional, México*
- L-07 Möglinger, B., Kehret, L., Steinhaus, J., Hausnerová, B. **Effects of Glass Particle Content on Time Dependent Ion Viscosity Measured by DEA.** *University of Applied Sciences Bonn-Rhein-Sieg, Germany & Tomas Bata University in Zlín, Czech Republic*
- L-08 Li, Y. **Silica-Based Nanohybrids and Their Biomedical Applications.** *East China University of Science and Technology, China*
- L-09 De Santis, F., De Meo, A., Pantani, R. **Morphology of PLA Micromolded Parts.** *University of Salerno, Italy*
- L-10 Wang, Ch., He, Y., Cheng, Q., Sába, P., Li, Ch. **Polyaniline Based Composite Nanostructures on Carbon Cloth for High-Performance Supercapacitor Electrodes.** *East China University of Science and Technology, China & Tomas Bata University in Zlín, Czech Republic*
- L-11 Filip, P. **Modelling of Non-Monotonous Course of Shear Viscosity.** *Academy of Sciences of the Czech Republic, Czech Republic*
- L-12 Verney, V. **Controlled vs. Uncontrolled Degradation of Polymer Materials: What Else?** *Université Clermont Auvergne, France*
- L-13 Kádár, R. **Flow-Field Filler Interaction for Enhanced Polymer Nanocomposite Properties.** *Chalmers University of Technology, Sweden*
- L-14 Zatloukal, M. **Applied Rheology for Understanding Flow Instabilities in Production of Polymeric Films and Nanofibers.** *Tomas Bata University in Zlín, Czech Republic*
- L-15 Hausnerová, B. **Approaches to Powder Injection Moulding Optimization.** *Tomas Bata University in Zlín, Czech Republic*

LIST OF POSTERS

- P-01** Askanian, H., Muranaka de Lima, D., Commereuc, S., Verney, V. **Optimization of 3D Printing Process Parameters.** *Université Clermont Auvergne, France*
- P-02** Barborik, T., Zatloukal, M. **Effect of Die Exit Stress State, Deborah Number, Extensional Viscosity, Heat Transfer and Crystallization on the Neck-in Phenomenon in Polymeric Flat Film Production.** *Tomas Bata University in Zlín, Czech Republic*
- P-03** Capáková, Z., Skopalová, K., Truong, T.H., Humpolíček, P., Kašpárková, V., Pacherník, J., Minařík, A. **Stem Cell Differentiation on Conducting Polyaniline.** *Tomas Bata University in Zlín, Czech Republic*
- P-04** Capáková, Z., Humpolíček, P., Kašpárková, V., Pacherník, J., Stejskal, J. **Biocompatibility of Novel Electrically Conductive Scaffolds.** *Tomas Bata University in Zlín, Czech Republic & Masaryk University, Czech Republic & Academy of Sciences of the Czech Republic, Czech Republic*
- P-05** Cvek, M., Mrlík, M., Sedlačík, M. **Magnetorheological Behavior of Poly(2-Isopropenyl-2-Oxazoline)-Grafted Magnetic Particles in Physiological Solution.** *Tomas Bata University in Zlín, Czech Republic*
- P-06** Di Martino, A., Trusova, M.E., Sedlařík, V. **Poly(lactide)-Gadolinium Nanoparticles as Diagnostic and Therapeutic Tool.** *Tomas Bata University in Zlín, Czech Republic & Tomsk Polytechnic University, Russian Federation*
- P-07** Drábek, J., Zatloukal, M., Martyn, M. **High Shear Rate Rheology of Branched Polypropylenes.** *Tomas Bata University in Zlín, Czech Republic & University of Bradford, UK*
- P-08** Fei, H., Babkova, T., Kazantseva, N.E., Saha, N., Moučka, R., Vilčáková, J., Sába, P. **Flexible Supercapacitors for Energy Storage Devices.** *Tomas Bata University in Zlín, Czech Republic*
- P-09** Harea, D., Zednik, J., Sedlařík, V. **Luminescent Characteristic of 1,8-naphthalimide Fluorescent Chemosensor.** *Tomas Bata University in Zlín, Czech Republic & Charles University, Czech Republic*
- P-10** Jasenská, D., Maráková, N., Capáková, Z., Kašpárková, V., Humpolíček, P. **Colloidal Polyaniline Dispersions Stabilized with Biopolymers.** *Tomas Bata University in Zlín, Czech Republic*
- P-11** Jurča, M., Bandera, I., McFarlane, T., Foulger, S.H., Vilčáková, J., Kazantseva, N., Sába, P. **Dielectric Spectroscopy of Methacrylate Polymers with Pendant Carbazole Groups.** *Tomas Bata University in Zlín, Czech Republic & Clemson University, U.S.A.*
- P-12** Kimmer, D., Vincent, I., Lovecká, L., Kovářová, M., Chmelenský, J. **Nanostructured Filtration Materials.** *Tomas Bata University in Zlín, Czech Republic*

- P-13 Kutálková, E., Plachý, T., Osička, J., Cvek, M., Sedlačík, M. **Iron(II) Oxalate Micro-Rods as Promising Material for Electrorheology.** *Tomas Bata University in Zlín, Czech Republic*
- P-14 Lehocký, M. **Progressive Surfaces Applicable in Hematological Area (PSAHA).** *Tomas Bata University in Zlín, Czech Republic*
- P-15 Mikulcová, V., Holčapková, P., Hrabalíková, M., Hurajová, A., Sedlařík, V. **Production of Renewable Antimicrobial Additives for Polymer Modification.** *Tomas Bata University in Zlín, Czech Republic*
- P-16 Minařík, M., Wrzecionko, E., Mráček, A., Minařík, A., Grulich, O., Smolka, P., Mozetič, M., Junkar, I., Sáha, P. **Nanotextured Microporous Polystyrene Surfaces.** *Tomas Bata University in Zlín, Czech Republic & Jožef Stefan Institute, Slovenia*
- P-17 Münster, L., Vícha, J., Klofáč, J., Kucharczyk, P., Masař, M., Kuřitka, I. **Investigation of Stability and Aging of Solubilized Dialdehyde Cellulose.** *Tomas Bata University in Zlín, Czech Republic*
- P-18 Münster, L., Vícha, J., Klofáč, J., Masař, M., Hurajová, A., Kuřitka, I. **Dialdehyde Cellulose as Crosslinking Agent for Poly(vinyl alcohol) Hydrogels.** *Tomas Bata University in Zlín, Czech Republic*
- P-19 Olejník, R., Matyáš, J., Slobodian, P., Daňová, R. **Glass Fibre Silicone Composite Antenna Based on CNTs Decorated by Ag Nanoparticles.** *Tomas Bata University in Zlín, Czech Republic*
- P-20 Ozaltin, K., Lehocký, M., Capáková, Z., Humpolíček, P., Sáha, P. **Cell Adhesive Biomaterials Surface Preparation and Its Interactions with the Cells.** *Tomas Bata University in Zlín, Czech Republic*
- P-21 Polášková, M., Peer, P., Ponižil, P., Čermák, R. **Structure Changes in Poly(Ethylene Oxide) Nanofibrous Web Induced by Thermal Treatment.** *Tomas Bata University in Zlín, Czech Republic & Academy of Sciences of the Czech Republic, Czech Republic*
- P-22 Pummerová, M., Di Martino, A., Sedlařík, V. **Amphiphilic Copolymer for Controlled Release of Herbal Extracts.** *Tomas Bata University in Zlín, Czech Republic*
- P-23 Rejmontová, P., Vajd'ák, J., Humpolíček, P., Kovalčík, A. **Improvement of the Mechanical and Biological Properties of PVA-Based Scaffolds by the Addition of Fractionated Kraft Lignin.** *Tomas Bata University in Zlín, Czech Republic & Brno University of Technology, Czech Republic*
- P-24 Rogowska-Tylman, J., Saha, N., Zaandra, O., Łojkowski, W., Sáha, P. **Novel Approach for Fabrication of Bacterial Cellulose/Nanohydroxyapatite Biocomposites for Bone Tissue Regeneration.** *Polish Academy of Sciences, Poland & Tomas Bata University in Zlín, Czech Republic*
- P-25 Sedlačík, M., Cvek, M., Moučka, R., Sýkorová, L., Bílek, O., Pavlínek, V., Sáha, P. **Electromagnetic Shielding of Elastomers Containing Particles with Enhanced Wettability.** *Tomas Bata University in Zlín, Czech Republic*
- P-26 Ševčík, J., Škoda, D., Jamatia, T., Antoš, J., Urbánek, P., Kuřitka, I. **ZnO Particle Bandgap Engineering for Polymer Nanocomposites as Active Layers in LEDs.** *Tomas Bata University in Zlín, Czech Republic*

- P-27** Slobodian, P., Olejník, R., Matyáš, J. **Glass/Epoxy Composite with Integrated Carbon Nanotubes Network for Self-Strain Sensing Application.** *Tomas Bata University in Zlín, Czech Republic*
- P-28** Slobodian, P., Karakurt, N., Olejník, R. **Thermoelectric Properties of p-type Multiwall Carbon Nanotube Filled Ethylene-Octene Polymer Composites.** *Tomas Bata University in Zlín, Czech Republic*
- P-29** Šuly, P., Mašlík, J., Krčmář, P., Urbánek, P., Kuřitka, I. **Reexamination of Newtonian Fluids Inkjet Printability Assessment Models Using Dimension-less Correlations.** *Tomas Bata University in Zlín, Czech Republic*
- P-30** Válková, P., Stloukal, P., Kucharczyk, P., Sedlařík, V. **Effect of Polyacrylic Acid Addition on Degradation of Polylactide under Abiotic Conditions.** *Tomas Bata University in Zlín, Czech Republic*