

PROGRAM of BYPoS 2007

MONDAY, 20th August

16⁰⁰ OPENING CEREMONY

J. Kronek
Conference chairman
J. Rychlý
Director of Polymer Institute SAS
M. Omastová
Representative of Slovakia in EPF

Chairperson: M. Omastová (Slovakia)

16³⁰ ML-1 *L. Matějka (Czech Republic)*
Hybrid Organic-Inorganic Polymer Nanocomposites.

17²⁰ CL-1 *M. Bertoldo (Italy)*
The Effect of Polymer Morphology on Barrier and Mechanical Properties of Polyolefin/MMT Nanocomposites.

18³⁰ WELCOME PARTY

TUESDAY, 21st August

Chairperson: L. Matějka (Czech Republic)

09⁰⁰ CL-2 *M. Mičušík (Slovakia)*
Carbon Nanotubes - Polypropylene Composites: Preparation and Properties.

09²⁰ CL-3 *S. Gaudin (France)*
Influence of Wood Species and Clones on Rheological Properties of Wood (Biodegradable) Polymer Composites.

09⁴⁰ CL-5 *P. Skalková (Slovakia)*
Preparation and Study of LDPE/Biopolymers Blends.

10⁰⁰ CL-6 *D. Mošková (Slovakia)*
Rheological Study of Silicate Network Structure from MMT Suspensions to Polymer Melts.

10²⁰ CL-7 *H. Zois (Greece)*
Structure - Properties Relationship of Metal - Filled Polymer Composites.

10⁴⁰ *Coffee Break*

Chairperson: J. Rychlý (Slovakia)

- 11⁰⁰ **CL-8** *R. Moučka (Czech Republic)*
Dielectric Properties of Magnetic Polymer Composites.
- 11²⁰ **CL-9** *A. Lopatin (Czech Republic)*
Carbonyl Iron Polymer Composite Microwave Absorbers.
- 11⁴⁰ **CL-10** *T. Nedelčev (Slovakia)*
Silane Based Materials for the Immobilization of Biomaterials.
- 12⁰⁰ **CL-11** *J. Kronek (Slovakia)*
New Macroinitiators for Cationic Polymerization of 2-oxazolines.

12²⁰ – 14⁰⁰ **Lunch**

Chairperson: J. Mosnáček (Slovakia)

- 14¹⁰ **ML-2** *A. Dworak (Poland)*
Stimuli Responsive Macromolecules–Their Synthesis,
Characterization and Applications.
- 15⁰⁰ **CL-12** *P. Weda (Poland)*
Synthesis and Characterization of Thermosensitive Nanoparticles
Based on Poly(N-isopropylacrylamide) Template.
- 15²⁰ **CL-13** *J. Bočková (Czech Republic)*
Collagen Modification of UHMWPE for Biomedical Applications.

15⁴⁰ **Coffee Break**

Chairperson: A. Dworak (Poland)

- 16⁰⁰ **CL-14** *O. Petrášek (Czech Republic)*
Cross-linked Collagen Hydrogel-Like Films Modified by Addition
of Synthetic Copolymers Based on PEG, PLGA and ITA.
- 16²⁰ **CL-15** *A. Sloviková (Czech Republic)*
Preparation and Modification of Collagen Based Porous Scaffolds
for Tissue Engineering.
- 16⁴⁰ **CL-16** *L. Vojtová (Czech Republic)*
Injectable Resorbable Adhesives for Bone Repair Application.
- 17⁰⁰ **CL-17** *J. Jaňovková (Slovakia)*
Hybrid Silicahydrogels as Appropriate Matrices for Direct Enzyme
Encapsulation.

Chairperson: L. Vojtová (Czech Republic)

- 17²⁰ **CL-18** *L. Kalinovská (Slovakia)*
Biological Studies of Ofloxacin - Releasing Biodegradable
Chitosan - Based Microspheres.
- 17⁴⁰ **CL-19** *Z. Kroneková (Slovakia)*
Alginate Gels, Preparation and Optimalization of Mechanical
Properties.
- 18⁰⁰ **CL-20** *J. Úlehlová (Slovakia)*
Chitosan-Based Biodegradable Membrane.

WEDNESDAY, 22nd August

Chairperson: N. Billingham (United Kingdom)

- 09⁰⁰ **ML-3** *P. Cifra (Slovakia)*
Importance of Molecular Simulations for Polymer Systems.
- 09⁵⁰ **CL-21** *D. Račko (Slovakia)*
The Free Volume Microstructure from Computer Simulations – A
Straightforward Method for the Free Volume Determination and
Analysis.
- 10¹⁰ **CL-22** *J. Židek (Czech Republic)*
Prediction of Dissipated Energy in One Loading - Unloading Cycle:
Materials in Dry and Swollen State.
- 10³⁰ **Coffee Break**

Chairperson: M. Bertoldo (Italy)

- 11⁰⁰ **CL-23** *M. Jamróz-Piegza (Poland)*
Stable Polyether Nanogels - Preparation and Characterization.
- 11²⁰ **CL-24** *M. Libera (Poland)*
Low and High Molar Mass Initiators for Polyoxazoline Synthesis -
Determination of the Synthesis Conditions and Characterization.
- 11⁴⁰ **CL-25** *B. Mendrek (Poland)*
Synthesis and Characterization of 3,4 and 6 Armed Poly(t-butyl
acrylate) Stars With Aliphatic Cores.
- 12⁰⁰ **CL-26** *K. Mravčáková (Slovakia)*
Properties and Morphology of Polypyrrole Prepared Using Cerium
Sulfate.
- 12²⁰ – 14⁰⁰ **Lunch**

14³⁰ *Trip to the Cerveny Kamen Castle and to the Driny Cave or Individual program*

18³⁰ *BARBEQUE*

THUERSDAY, 23rd August

Chairperson: P. Cifra (Slovakia)

09⁰⁰ **ML-4** *N. Billingham (UK)*
Biodegradable Plastics – What are the Options?

09⁵⁰ **CL-27** *F. Hassouna (France)*
Photochemical Behaviour of Poly(N-Vinylpyrrolidone) in Aqueous Solution and in Solid State.

10¹⁰ **CL-28** *B. Husár(Slovakia)*
Synthesis, Photoperoxidation and Crosslinking of Styrene Copolymer with Pendant Benzil Moieties.

10³⁰ *Coffee Break*

Chairperson: M. Danko (Slovakia)

11⁰⁰ **CL-29** *J. David (Czech Republic)*
Novel Flexible Polyurethane Foams Modified with Biomass Polyols.

11²⁰ **CL-30** *O. Smrtka (Czech Republic)*
Synthesis of Silsesquioxane Nanocomposites.

11⁴⁰ **CL-31** *L. Učňová (Slovakia)*
PLP-SEC Study Into Free Radical Polymerization of the Ionized Form of Methacrylic Acid.

Chairperson: J. Kronek (Slovakia)

12⁰⁰ **CL-32** *H. Švajdlenková (Slovakia)*
Electron Spin Resonance (ESR) and Positron Annihilation Lifetime Spectroscopy (PALS) Characterization of Polymers: Poly(isobutylene).

12²⁰ **CL-33** *J. Peleška (Czech Republic)*
Kinetic Investigation of Nickel Diimine Catalyzed Hex-1-ene Polymerization: Effect of Cocatalyst.

12⁴⁰ **CL-34** *M. Kawalec (Poland)*
E1cB - Unknown Degradation Mechanism of Poly(3-hydroxybutyrate)s. Quantitative Approach.

13⁰⁰ **CLOSING CEREMONY**