

Program of the 2nd INTERNATIONAL WORKSHOP ON DENDRIMERS AND HYPERBRANCHED POLYMERS

Monday, November 23

- 8:30-9:00** *Welcome, registration*
- 9:00-9:15** *Opening remarks*
- 9:15-9:50** **Tatiana Birshtein** (IMC RAS, Saint-Petersburg, Russia)
Layered Structure of Planar Dendron Brushes
- 9:50-10:25** **Oleg Borisov** (CNRS, Pau, France)
Dendron Polymer and Polyelectrolyte Brushes: Structure, Elastic and Tribological Properties
- 10:30-11:00** *Refreshment break*
- 11:00-11:30** **Sergei Egorov** (University of Virginia, USA)
Star Polymers Confined in a Nanoslit: A Simulation Test of Scaling and Self-Consistent Field Theories
- 11:30-12:00** **Denis Markelov** (University of Saint-Petersburg, Russia)
Formation of a "Hollow" Interior in Copolymer Dendrimers
- 12:00-12:30** **Markus Koch** (IPF and TU, Dresden, Germany)
Nonequilibrium Properties of Branched Polymer Brushes
- 12:30-14:00** *Lunch*
- 14:00-14:35** **Jens-Uwe Sommer** (IPF and TU, Dresden, Germany)
Neutral and Charged Dendrimers with Flexible Spacers: Computer Simulations and Mean-Field Theory.
- 14:35-15:10** **Alexey Lyulin** (Eindhoven University of Technology, The Netherlands)
Brownian Dynamics Simulations of Hyperbranched Polymers
- 15:10-15:45** **Walter Burchard** (University of Freiburg, Germany)
Some Principles on Structural Properties of Hyperbranched Polymers Including Excluded Volume Interactions
- 15:45-16:15** *Refreshment break*
- 16:15-16:45** **Mircea Galiceanu** (UFAM, Manaus, Brazil)
Dynamics of Scale-Free Polymer Networks
- 16:45-17:15** **Martin Wengenmayr** (IPF and TU, Dresden, Germany)
Monte Carlo Studies on Dendrimers with Modified End Groups
- 18:00** *Conference dinner*

Tuesday, November 24

- 8:30-09:00** **Welcome**
- 9:00-09:30** **Albena Lederer** (IPF and TU, Dresden, Germany)
Hyperbranched Polymers: Branching Degree Variation and Dendronization for Studying Conformation and Segmental Distribution
- 09:30-10:00** **Elena Kramarenko** (University of Moscow, Russia)
Rheological Properties of Nonfunctional Derivatives of Hyperbranched Polycarbosilanes
- 10:00-10:30** **Wouter Vogel** (Delft University of Technology, The Netherlands)
Hyperbranched Thermally Curable All-aromatic High Performance Polymers
- 10:30-11:00** **Refreshment break**
- 11:00-11:30** **Natalia Domracheva** (Kazan Physical-Technical Institute, Russia)
New Magnetic Nanostructures Based on Metallodendrimers
- 11:30-12:00** **Marius Hofmann** (University of Bayreuth, Germany)
Molecular Dynamics in Poly(propylene imine) Dendrimer Melts Studied by ¹H Field-Cycling NMR and Rheology
- 12:00-12:30** **Christian Friedrich** (University of Freiburg, Germany)
Effect of Hydrogen Bonds on Thermorheological Properties of Hyperbranched Polyglycerol Melts
- 12:30-14:00** **Lunch**
- 14:00-14:30** **Hartmut Löwen** (University of Düsseldorf, Germany)
Ferrogels Viewed as Branched Polymers with Magnetic Crossings
- 14:30-15:00** **Jaroslav Ilnytskyi** (ICMP NASU, Lviv, Ukraine)
Bulk Self-Assembly of Decorated Nanoparticles and Liquid Crystal Dendrimers under Illumination
- 15:00-15:30** **Nikolay Izmailyan** (Yerevan Physics Institute, Armenia)
Magnetic Properties of a Two Layer Dendrimer Structure
- 15:30-16:00** **Refreshment break**
- 16:00-16:30** **Alexey Polotsky** (IMC RAS, Saint-Petersburg, Russia)
Conformational Transitions in an End-Grafted Chain Admixed to a Star Brush
- 16:30-17:00** **Khrystyna Haydukivska** (ICMP NASU, Lviv, Ukraine)
Lattice Models of Directed and Semiflexible Polymers in Anisotropic Environment
- 17:00-17:20** **Concluding remarks**