



Bunsen-Kolloquium 2010

Kinetics of Radical Polymerization: The Foundation of Novel Materials and Processes

Thursday 8 April

- 13:00** **Registration**
- 14:00 – 14:15** **Philipp Vana: Opening remarks**
- 14:15 – 15:45** **Session 1**
Chairman: Philipp Vana
- 14:15** **Greg Russell (University of Canterbury)**
Termination Rate Coefficients for Radical Homopolymerization of Methyl Methacrylate and Styrene at Low Conversion - Revisiting an Old Problem with New Eyes
- 14:45** **Christopher Barner-Kowollik (Universität Karlsruhe)**
Radical Appraisal: From Photochemistry to Spin Trapping
- 15:15** **Sabine Beuermann (Universität Potsdam)**
New insights into methacrylate radical polymerizations in ionic liquids
- 15:45 – 16:30** **Coffee break**
- 16:30 – 18:00** **Session 2**
Chairman: Christopher Barner-Kowollik
- 16:30** **Alex van Herk (TU Eindhoven)**
The acrylate mystery
- 17:00** **Jürgen Rühle (Universität Freiburg)**
On the mechanism of the formation of polymer brushes through surface initiated polymerization
- 17:30** **Diethelm Johannsmann (TU Clausthal)**
Functional Coatings Produced by Electrochemically Induced Polymerization
- 18:00** **Poster session**

19:30
Buffet Dinner at the Institute of Physical Chemistry

19:45
Transfer to Speaker's Dinner

20:00
Speaker's Dinner at the "Kartoffelhaus"

Friday 9 April

- 09:00 – 11:00** **Session 3**
Chairman: Igor Lacik
- 09:00** **Klaus-Dieter Hungenberg (BASF Ludwigshafen)**
The Importance of Process Models for Polymer Products and Processes
- 09:30** **Bernadette Charleux (CNRS Lyon)**
Nitroxide-mediated copolymerization: from theory and kinetic analysis toward new materials
- 10:00** **Markus Busch (TU Darmstadt)**
Product-Design in High-Pressure-Polymerization-Technology
- 10:30** **Johannes Barth (Universität Göttingen)**
New insights into radical polymerization kinetics via SP-PLP-EPR
- 11:00 – 11:30** **Coffee break**
- 11:30 – 13:00** **Session 4**
Chairman: Greg Russell
- 11:30** **Robin Hutchinson (Queens University)**
A PLP/SEC Study of Solvent Effects in Free-radical Copolymerization of Styrene and Methacrylates
- 12:00** **Thomas Junkers (Universität Hasselt)**
Radical Appraisal: Complex reactions in acrylate polymerizations
- 12:30** **Igor Lacik (SAV Bratislava)**
Propagation kinetics of N-vinyl formamide in aqueous solution
- 13:00** **Philipp Vana: Poster prize and concluding remarks**

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