

CRP Meeting 2009 - Belgian-German bi-national conference

Full Programme

Thursday September 17, 2009

- 09:00** **Registration/Coffee**
- 10:30** **Welcome of the participants**
- 10:45** **Thiol-ene Click Chemistry, Catalytic Chain Transfer Polymerization in Conjunction with SET-living Radical Polymerization**
David HADDLETON
(UNIVERSITY OF WARWICK, Coventry, United Kingdom)
- 11:30** **Alpha, Omega End Group Functionalization of RAFT Polymers**
Peter ROTH
(UNIVERSITY OF MAINZ, Mainz, Germany)
- 11:50** **Synthesis of Novel Block Copolymers via Cobalt-Mediated Radical Polymerization (CMRP) and Isoprene-Assisted Radical Coupling reaction (IARC)**
Antoine DEBUIGNE
(ULIÈGE, Liège, Belgium)
- 12:10** **Azurin-Poly(N-Isopropylacrylamide) Conjugates–Synthesis and Application**
Nadine ROSENBERGER
(UNIVERSITY OF MÜNSTER, Münster, Germany)
- 12:30** **Lunch**
- 13:30** **Reversible Addition Fragmentation Chain Transfer Polymerization (RAFT): from RAFT Agent Design to the Industrial Production of Block Copolymers**
Mathias DESTARAC
(UNIVERSITÉ PAUL SABATIER, Toulouse, France)
- 14:00** **Orthogonal Modification of Solid Substrates**
Leena NEBHANI
(UNIVERSITÄT KARLSRUHE, Karlsruhe, Germany)
- 14:20** **Polymer Brushes Prepared by Surface-photoinitiated RAFT Polymerization: Mechanistic Study and Application in Smart Adhesion**
Xuesong JIANG
(UNIVERSITY OF GÖTTINGEN, Göttingen, Germany)
- 14:40** **Amphiphilic Block Versus ‘Block-like’ Copolymers Prepared by ATRP: Synthesis, Micellization and Pigment Stabilization**
Bart DERVAUX
(UGENT, Ghent, Belgium)
- 15:00** **Clickable, Biocompatible and Fluorescent Nanoparticles for Intracellular Delivery and Optical Imaging**
Markus MÜLLNER
(UNIVERSITY OF BAYREUTH, Bayreuth, Germany)
- 15:20** **Coffee break**
- 16:00** **Controlled Synthesis of All-acrylic Block Polyelectrolytes: Formation of Polyelectrolyte Complex Nanoparticles as Drug Vector**

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Magali VACHAUDEZ
(UMONS, Mons, Belgium)

16:20 Controlled Radical Polymerization: How to Choose Between ATRP, NMP & RAFT: What is Reliable from an Industrial Point of View?

Laurence COUVREUR
(ARKEMA, COLOMBES, France)

16:50 Round-table-discussion: Is CRP useful in Industry? Pro's versus Contra's

17:30 Poster session

20:00 Conference dinner

21:30 BEGE Party

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- 08:45 Will Living Radical Polymerization end the Monopoly of PEG ?**
Bert KLUMPERMAN
(STELLENBOSCH UNIVERSITY, Stellenbosch, South Africa)
- 09:30 Kinetic Studies of Surface Initiated Atom Transfer Radical Polymerization in the Synthesis of Magnetic Fluids**
Andreas KAISER
(UNIVERSITÄT KARLSRUHE (TH)/UNIVERSITÄT DÜSSELDORF, La Wantzenau, France)
- 09:50 Kinetic Simulations as a Tool for Optimization of Atom Transfer Radical Polymerization Conditions**
Dagmar D'HOOGHE
(GHENT UNIVERSITY, Zwijnaarde (Ghent), Belgium)
- 10:10 RAFT in High Pressure Polyethylene Synthesis**
Marion ROTH
(TU DARMSTADT, Darmstadt, Germany)
- 10:30 The Transition From Smart Micelles to Hydrogels of Thermosensitive Block Copolymers**
Anna MIASNIKOVA
(UNIVERSITY OF POTSDAM, Potsdam, Germany)
- 10:50 Coffee break / 2nd poster session**
- 11:50 Atom Transfer Radical Polymerization from the Surface of Self-Assembled Peptide Nanotubes**
Rishikesh GOKHALE
(TU DARMSTADT, Darmstadt, Germany)
- 12:10 Synthesis of Photocleavable Block Copolymers by One-pot Click-ATRP**
Jean-Marc SCHUMERS
(UCL, Louvain-la-Neuve, Belgium)
- 12:30 Functionalized Block Copolymers for the Preparation of Structured and Functional Surfaces**
Jan STADERMANN
(LEIBNIZ INSTITUTE OF POLYMER RESEARCH, Dresden, Germany)
- 12:50 Lunch**
- 13:50 In Situ Modification of Polymeric Micellar Aggregates Using Click Chemistry in Aqueous Solution**
Zoya ZARAFSHANI
(FRAUNHOFER INSTITUTE FOR APPLIED POLYMER RESEARCH, Potsdam, Germany)
- 14:10 One-step Preparation of Supramolecular Telechelics Using Advanced Initiators for Nitroxide-mediated Polymerization**
Ulrich MANSFELD
(FRIEDRICH-SCHILLER-UNIVERSITY JENA, Jena, Germany)
- 14:30 Hyphenated Characterization Techniques for Polymer Analysis: From SEC-ESI-MS to 2D HPLC/SEC Chromatography**
Jana FALKENHAGEN
(FEDERAL INSTITUTE FOR MATERIALS RESEARCH & TESTING, Berlin, Germany)
- 15:00 Analysis of Polymers Synthesized by Controlled Free Radical Polymerization using GPC/SEC**

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Ben MACCREATH
(VARIAN/PL, Shropshire, United Kingdom)

15:20 Polymers Made for Surfaces for Switching Physico-Chemical Properties: Synthesis and Characterization

Daniela HELD
(PSS, Mainz, Germany)

15:40 Awards and closing ceremony

16:00 End of conference