

BPG 2005 - Annual Meeting of the Belgian Polymer Group

Programme

Thursday May 19, 2005

- 08:30** **Registration and welcome coffee**
Poster setting and room check in
- 10:15** **Opening remarks**
- 10:30** **1st session**
- 10:30** **Invited Plenary Lecture:**
Bulk and Water Self-Assembly of Polypeptide-Based Block Copolymers
Prof. Sébastien LECOMMANDOUX
(LCPO, ENSCBP-BORDEAUX INP, Pessac, France)
- 11:20** **Nanoporous Thin Films from Self-Assembled Metallo-Supramolecular Block Copolymers**
Prof. Charles-André FUSTIN
(UCLOUVAIN, Louvain-la-Neuve, Belgium)
- 11:40** **Advanced Polymer Architectures with Stimuli-Responsive Properties**
Ms Katrien BERNAERTS
(UGENT, GENT, Belgium)
- 12:00** **Novel Radial "All Acrylate" Block Olymers: Synthesis, Morphology, and Mechanical Properties**
Ms Mélanie JEUSETTE
(UMH, MONS, Belgium)
- 12:30** **Lunch**
- 14:00** **2nd session**
- 14:00** **Invited Plenary Lecture:**
Combinatorial Techniques Applied to Polymer Science
Prof. Ulrich SCHUBERT
(EINDHOVEN UNIVERSITY OF TECHNOLOGY, Eindhoven, The Netherlands)
- 14:50** **Thin Film Rupture: From Elastic Fractures to Viscous Fingering**
Mr Sylvain GABRIELE
(UMH, Mons, Belgium)
- 15:10** **Ab Initio Investigation of the Stereochemistry Effects on ¹H and ¹³C NMR Chemical Shifts of Poly (vinyl chloride) Oligomers**
Mr Philippe D'ANTUONO
(FUNDP, NAMUR, Belgium)
- 15:30** **Coffee break**

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- 16:00** **3rd session**
- 16:00** **Prediction of the Sound Transmission Loss in Laminated Glass Panels**
Dr Patrice ROOSE
(CYTEC SURFACE SPECIALTIES, Drogenbos, Belgium)
- 16:20** **Diffusion Filtered 1H nmr Spectroscopy as a Simple Tool to Aid the Complete nmr Structural Analysis of Methacrylate endcapped orthoesters and its degradation products**
Prof. José MARTINS
(UGENT, GENT, Belgium)
- 16:40** **ATRP of Aminated Methacrylates: a Route to Effective Antimicrobial Surfactants, Coatings and Additives**
Ms Sandrine LENOIR
(ULG, LIEGE, Belgium)
- 17:00** **Coffee break**
- 17:00** **Poster session and Exhibition**
- 18:00** **BPG-Council Meeting**
- 20:00** **Banquet and BPG Party**

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Friday May 20, 2005

- 08:00** **Breakfast**
- 09:00** **4th session**
- 09:00** **Invited Plenary Lecture:
Crystallization of Polymers in Thin Films**
Dr Günter REITER
(INSTITUT DE CHIMIE DES SURFACES ET INTERFACES, MULHOUSE, MULHOUSE, France)
- 09:50** **Development of a Nano-Biosensor: Physical and Chemical Characterization of Protein Modified Layers and Anti-Fouling Surfaces**
Dr Francesca CECCHET
(UCL, Louvain-la-Neuve, Belgium)
- 10:10** **Oriented Crystallization of Polymers Confined in Nano-Trenches**
Dr Zhijun HU
(UCL, LOUVAIN-LA-NEUVE, Belgium)
- 10:30** **Thermal Stability and Degradation Pathway of Poly(vinylacetate) and Poly(ethylene-co-vinylacetate) in Combination with Halogen-Free Intumescent Flame Retardants**
Mr Bart RIMEZ
(VUB, BRUSSELS, Belgium)
- 10:50** **Coffee break**
- 11:30** **5th session**
- 11:30** **Opto-Electronic Characterisation of Various PPV and PTV-Derivatives**
Ms Sofie FOURIER
(UHASSELT, DIEPENBEEK, Belgium)
- 11:50** **Degradable Pluronic® f127-Based Hydrogels**
Mr Ives SWENNEN
(UGENT, GHENT, Belgium)
- 12:10** **Synthesis and Properties of New Chiral Donor-Embedded Polybinaphthalenes for Nonlinear Optical Applications**
Ms Leen DE GROOF
(KULEUVEN, LEUVEN, Belgium)
- 12:30** **Lunch**
- 14:00** **6th session**
- 14:00** **Biodegradable Starch/Polyester Melt-Blends by Reactive Extrusion**

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Prof. Jean-Marie RAQUEZ
(UMONS, Mons, Belgium)

14:20

HR-MAS NMR as a Tool for Monitoring the Catalytic Process in the Ring Opening Polymerization Reaction of ϵ -Caprolactone

Mr Kevin POELMANS
(VUB, Brussels, Belgium)

14:40

BPG-Best Final Work Award 2005 Oral Communications

14:40

Development of Thermo-Responsive Coatings via UV-Crosslinkable LCST-Polymers

Mr Stijn D'HOLLANDER
(UGENT, Gent, Belgium)

14:40

Synthesis of Amphiphilic Poly- ϵ -Caprolactone-Graft-Poly(Ethylene Glycol) Copolymers by Michael-Type Addition and their Use as Nanoparticles stabilizers

Ms Kathy VAN BUTSELE
(ULG, LIEGE, Belgium)

15:00

Best Oral Presentation and Poster Awards Concluding remarks

15:30

Concluding remarks