

BPG 2010 - Annual Meeting of the Belgian Polymer Group

Programme

Tuesday May 25, 2010

09:00 **Registration**

10:00 **Opening Remarks**

Session 1

Session Chair

Dr Dirk BONTINCK
(CYTEC SURFACE SPECIALTIES, Drogenbos, Belgium)

10:10 **The Use of Numerical Simulation in Polymer Processing and Plastic Parts Design: from Flow Analysis to Micro Mechanics and Structural Analysis**

Prof. Vito LEO
(SOLVAY, Brussels, Belgium)

11:00 **Flow-induced Crystallization of Particle-containing Polymers from Low to Processing Speeds**

Ms Michelle D'HAESE
(KULEUVEN, Heverlee, Belgium)

11:20 **Glucose-responsive Layer-by-layer Microcapsules : A Potential Route to Self-regulated Insulin Delivery**

Mr David ALAIMO
(ULG, CERM, Liège, Belgium)

11:40 **Complex Particle Architectures Via a Tubing-needle Based Simple Microfluidic Setup**

Mr Muhammed Talha GOKMEN
(GHENT UNIVERSITY, Ghent, Belgium)

12:00 **Sandwich Lunch**

Session 2: Award Session

Session Chair

Prof. Dirk VANDERZANDE
(UNIVERSITY OF HASSELT, Hasselt, Belgium)

13:00 **Biannual BPG Award 2010 to prof. dr. Ulrich S. Schubert
Introduction**

Prof. Jean-François GOHY
(UCLOUVAIN, Louvain-la-Neuve, Belgium)

Award Lecture: Engineering Functional Macromolecules

Prof. Ulrich SCHUBERT
(UNIVERSITY OF JENA, Jena, Germany)

14:00 **BPG Award for Master thesis**

14:20 **Coffee Break**

BPG 2010 - Annual Meeting of the Belgian Polymer Group

Programme

Session 3

Session Chair

Prof. Alain JONAS
(UCL, Louvain-la-Neuve, Belgium)

- 15:00 Metallo-supramolecular Diblock Copolymers Based on Heteroleptic Cobalt(III) and Nickel(II) Bis-Terpyridine Complexes**
Mr Clément MUGEMANA
(UCL, Louvain-la-Neuve, Belgium)
- 15:20 Solving the Problem of the Bis(acetylacetonato)cobalt(II)-mediated Radical Polymerization of Acrylates**
Ms Marie HURTGEN
(ULG, Liège, Belgium)
- 15:40 Exploring the Dithiocarbamate Precursor Route: Observation of a Base Induced Regioregularity in PPV derivatives**
Dr Joke VANDENBERGH
(UHASSELT, Diepenbeek, Belgium)
- 16:00 Poster Session 1**
- 17:15 Poster Session 2**
- 16:00 Career Session**
- 18:30 Council Meeting (for BPG members only)**
- 20:00 Cocktail - Dinner with BPRI award ceremony**
- 22:00 BPG Party**

BPG 2010 - Annual Meeting of the Belgian Polymer Group

Programme

Wednesday May 26, 2010

08:00 Breakfast

Session 4

Session Chair

Prof. Vito LEO
(SOLVAY, Brussels, Belgium)

09:00 Multi-Scale Modeling of Nano and Fiber Reinforced Polymers

Dr Roger A. ASSAKER
(E-XSTREAM ENGINEERING S.A., Louvain-la-Neuve, Belgium)

09:50 Novel Bionanocomposites : How Polyester-graft-cellulose nanowhiskers Can Enhance Materials Performances?

Ms Anne-Lise GOFFIN
(UMONS, MONS, Belgium)

10:10 Characterisation of the Nanofiller Dispersion in Poly(e-caprolactone) Nanocomposites

Mr Nick WATZEELS
(VUB, Brussel, Belgium)

10:30 Coffee Break

Session 5

Session Chair

Prof. Benoît CHAMPAGNE
(FUNDP, Namur, Belgium)

11:00 Electrospun Polyamide 6 Nanofibres for the Use in Water Filtration

Mr Sander DE VRIEZE
(GHENT UNIVERSITY, Ghent, Belgium)

11:20 Polypropylene/clay Nanocomposites by Water Assisted Extrusion

Ing Dimitri ROUSSEAUX
(UCL, Louvain-la-Neuve, Belgium)

11:40 Structure and Stability of Semi-enzymatically Synthesized Amylose-lipid Complexes

Ms Joke PUTSEYS
(KULEUVEN, Heverlee, Belgium)

12:00 Lunch

Session 6

Session Chair

Prof Christine JEROME
(ULG, Liège, Belgium)

BPG 2010 - Annual Meeting of the Belgian Polymer Group

Programme

13:30 The Occurrence of Magnetism in Purely Organic, Neutral Conjugated Polymers

Mr Steven VANDELEENE
(KULEUVEN, Heverlee, Belgium)

13:50 Potential of Curing Time Reduction of Photopolymerizable Dental Resins

Mr Julian LEPRINCE
(UCL, Louvain-La-Neuve, Belgium)

14:10 Rapid Prototyping of 3D Structures from Biodegradable Polyesters, an Optimization Process

Mr Tim DESMET
(GHENT UNIVERSITY, Gent, Belgium)

14:30 Coffee Break

Session 7

Session Chair

Dr Peter DUBRUEL
(UGENT, Ghent, Belgium)

14:50 Probing the Interfacial Properties of Molecular Films on Solid Surfaces through the Analysis of their Vibrational Second Order Nonlinear Optical Response

Dr Francesca CECCHET
(FUNDP - UNIVERSITY OF NAMUR, Namur, Belgium)

15:10 Directional Crystallization in Polyethylene Oxide Thin Films Induced by a Thermal Gradient

Mr Gabin GBABODE
(ULB, Bruxelles, Belgium)

15:30 Theoretical Models for Polymers-CNTS Interactions

Dr Andrea MINOIA
(MATERIA NOVA ASBL, Mons, Belgium)

Closing Session

15:50 Award Ceremony for Best oral Presentations and Poster Presentations

16:00 Closing remark