

Programme

Thursday May 30, 2024

09:00 **Welcome Coffee & Registration**

10:00 **Opening remarks**

Dr Peter DUBRUEL
(UGENT, Ghent, Belgium)

10:10 **Anniversary – BPG history**

Prof. Eric GOETHALS (UGENT, Ghent, Belgium)
Prof. Louis PITET (UHASSELT, Diepenbeek, Belgium)

10:39 **Session 1**

Session Chair

Prof. Dr Filip DU PREZ
(UGENT, Ghent, Belgium)

10:40 **From Lignin Derived Building Blocks to Covalent Adaptable Networks and Recyclable Materials (IL01)**

Prof. Katrien BERNAERTS
(MAASTRICHT UNIVERSITY, Geleen, The Netherlands)

11:20 **Controlling the Relaxation Dynamics of Polymer Networks by Combining Associative and Dissociative Dynamic Covalent Bonds (OC01)**

Mr Aleix COSTA CORNELLÀ
(VRIJE UNIVERSITEIT BRUSSEL, Brussels, Belgium)

11:35 **Reprocessability and Chemical Recyclability of Polyurethane Foams Using Beta-Amino Esters (OC02)**

Ms Hiba KASSEM
(UGENT, Ghent, Belgium)

11:50 **Sustainable Non-Isocyanate Polyurethane Thermoset Foam's Design: Harnessing the Power of Supercritical CO₂ as a Blowing Agent (OC03)**

Ms Katherine GOUVEIA
(UNIVERSITY OF MONS, Mons, Belgium)

12:05 **Raveling New Mechanisms for Polyurethane Formation: Complex Formation and Solvent Effects (OC04)**

Ing Lynn TROSSAERT
(UGENT, Zwijnaarde, Belgium)

12:20 **Sandwich Lunch, Exhibition and BPG General Assembly**

13:19 **Session 2**

Session Chair

Dr Johan LOCCUFIER
(AGFA GEVAERT NV, Mortsel, Belgium)

13:20 **Enhancement of Lithium Ion Conductivity on Amphiphilic Liquid-Crystalline Block Copolymer by Electric Field Alignment (OC05)**

Mr Isaac ALVAREZ MOISES
(UCLOUVAIN, Louvain-la-neuve, Belgium)

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- 13:35 Diketopyrrolopyrrole-Based Push-Pull Conjugated Polymers for Fully Transparent Organic Photovoltaics (OC06)**
Ms Kaat VALKENEERS
(UHASSELT, Hasselt, Belgium)
- 13:50 Development of Superplasticizers for Alkali-Activated Concrete (OC07)**
Ms Phanumat LATSRISAENG
(UGENT, Ghent, Belgium)
- 14:05 Competition of Timescales in Polymer Processing: Crystallization and Diels-Alder Crosslinking (OC08)**
Mr Jelle DE CEULAER
(KU LEUVEN, Leuven, Belgium)
- 14:20 On-line Near InfraRed Spectroscopy Using Artificial Intelligence to Monitor Oligomer Synthesis in Real-Time (IL02)**
Dr Dirk BONTINCK
(ALLNEX BELGIUM, Drogenbos, Belgium)
- 15:00 Exhibitor Presentations**
- 15:10 Coffee Break & Exhibition**
- 15:59 Session 3**
- Session Chair**
Dr Dirk BONTINCK
(ALLNEX BELGIUM, Drogenbos, Belgium)
- 16:00 Hydrogel-Based Patch Entrapping Commensal Bacteria Secreting Beneficial Molecules for Skin (OC09)**
Ms Louise DUPONT
(UCLOUVAIN, Louvain-la-Neuve, Belgium)
- 16:15 Biocompatible Non-Isocyanate Polyurethane Elastomers for Blood-Contacting Biomedical Applications (OC10)**
Ms Anna PIERRARD
(ULIÈGE, Liège, Belgium)
- 16:30 Modification of Hybrid Hydrogel Scaffolds for Cartilage Repair (OC11)**
Mr Sander DRIESEN
(UHASSELT, Hasselt, Belgium)
- 16:45 Poster Session A (odd numbers) & Exhibition**
- 17:45 Poster Session B (even numbers) & Exhibition**
- 18:45 End of the programme**
- 20:00 Conference Dinner**
- 22:00 BPG Party**

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Friday May 31, 2024

09:00 **Registration**

09:29 **Session 4**

Session Chair

Prof. Richard HOOGENBOOM
(UGENT, Ghent, Belgium)

09:30 **Polymerization with Real Time MWt and Conversion Monitoring in Flow (IL03)**

Prof. David HADDLETON
(UNIVERSITY OF WARWICK, Coventry, United Kingdom)

10:10 **Facile Synthesis of Functional Poly(oxazolidone)s Via Thiol-Ene Click Polymerization (OC12)**

Ms Seyedeh Maliheh RAZAVI-ESFALI
(ULIÈGE, Liège, Belgium)

10:25 **Development of Conjugated Sequence-Defined Macromolecules (OC13)**

Mr Wout MILIS
(KU LEUVEN, Leuven, Belgium)

10:40 **Development of Lignin Derived Semi-Aromatic Polyesters with Tuneable Properties (OC14)**

Mr Tom DE FRENE
(KU LEUVEN, Kortrijk, Belgium)

10:55 **Coffee Break & Exhibition**

11:29 **Session 5**

Session Chair

Prof. Arn MIGNON
(KU LEUVEN UNIVERSITY, Leuven, Belgium)

11:30 **Designing Functional Polymers for 3d/4d (Micro)Printing (IL04)**

Prof. Eva BLASCO
(IMSEAM - HEIDELBERG UNIVERSITY, Heidelberg, Germany)

12:10 **Fabrication of Mechanically Robust Hydrogels for 3d Printing and Injection: the Role of Thiol-Yne/Ene Chemistry and the Network Topology (OC15)**

Ms Mahsa EBRAHIMI
(UHASSELT, HASSELT, Belgium)

12:25 **Synthesis and Characterization of a Triblock-Copolymer Composed of Poly(ϵ -caprolactone) and Poly(L-lactic acid) Processable by Electrospinning and Melt Electrowriting (OC16)**

Mr Jef BREBELS
(KU LEUVEN, Leuven, Belgium)

12:40 **Buffet Lunch & Exhibition**

13:59 **Session 6**

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Session Chair

Prof. Louis PITET
(UHASSELT, Diepenbeek, Belgium)

14:00 Biannual Award Lecture
Injectable Polymeric and Colloidal Building Blocks to Overcome Challenges in Tissue Engineering (AL01)
Prof. Laura DE LAPORTE
(DWI-LEIBNIZ INSTITUTE FOR INTERACTIVE MATERIALS E.V., Aachen, Germany)

14:40 Master award French speaking community

14:55 Master award Dutch speaking community

15:10 Award Ceremony

15:20 Closing Remarks
Prof. Sandra VAN VLIERBERGHE
(UGENT, Ghent, Belgium)