

Programme

Monday May 22, 2023

09:00 **Welcome Coffee & Registration**

09:50 **Opening Remarks**

Session 1

Session Chair

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

10:00 **Solide Polymer Electrolytes for Lithium Metal Batteries (IL01)**

Prof. Didier GIGMES
(AIX-MARSEILLE UNIVERSITY, Marseille, France)

10:40 **Introducing Vitrimers in Solid Polymer Electrolytes for High Performance Li-metal Batteries (OC01)**

Ms Carla BARAKAT
(UCLouvain, Louvain-la-neuve, Belgium)

11:00 **Sequencing Synthetic Macromolecules: from Dedicated Software Tools to Depolymerisation (OC02)**

Mr Matthieu SOETE
(UGENT, Gent, Belgium)

11:20 **Does Structure Really Matter? Visualization, Implications and Avoidance of Homocoupling in Organic Semiconducting Polymers (OC03)**

Mr Jochen VANDERSPIKKEN
(UHASSELT, Diepenbeek, Belgium)

11:40 **Poly(oxazolidone)s as the Next Generation of Non-isocyanate Polyurethanes: A Novel Approach toward Recyclable Advanced Materials (OC04)**

Mr Thomas HABETS (ULIEGE, Liege, Belgium)
(SANOFI-AVENTIS DEUTSCHLAND GMBH)

12:00 **Sandwich Lunch, Exhibition and BPG General Assembly**

Session 2

Session Chair

Prof. Sophie DEMOUSTIER-CHAMPAGNE
(UCLouvain, Louvain-la-Neuve, Belgium)

13:30 **Spatiotemporal Control of Enzyme-Assisted Self-Assembly: from Catalytic Flow Reactors to the Microstructuration of Hydrogels (IL02)**

Prof. Loic JIERRY
(INSTITUT CHARLES SADRON, Strasbourg, France)

14:10 **Tough Pegdma Hydrogels via Thiol-Ene Chemistry for 3D Printing and Tissue Engineering (OC05)**

Ms Mariana ARREGUIN CAMPOS
(UHASSELT, Hasselt, Belgium)

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- 14:30 Production of Porous PLLA Scaffold via Peg Removal from 3D-Printed Blends (OC06)**
Mr Quentin PAPELOER
(UCLOUVAIN, Louvain-la-Neuve, Belgium)
- 14:50 Development of Biopolymer-based Ink Formulations for Liver Tissue Engineering (OC07)**
Mr Nathan CARPENTIER
(UGENT, Gent, Belgium)
- 15:10 Sustainable Applications of Innovative Biobased Organic Network (OC08)**
Mr Louis VAN RENTERGHEM
(UMONS, Mons, Belgium)
- 15:30 Living Therapeutic Materials: Self-Replenishable Drug Depots (IL03)**
Prof. Aránzazu DEL CAMPO
(INM INSTITUTE, Saarbrücken, Germany)
- 16:10 Coffee Break and Exhibition**
- Session 3**
- 16:45 Poster session A (odd numbers) and Exhibition**
- 17:30 Poster session B (even numbers) and Exhibition**
- 18:15 End of the programme**
- 19:30 Conference Dinner**
- 22:00 BPG Party**

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09:00 Registration

Session 4

Session Chair

Prof. Evelyne VAN RUYMBEKE
(UCLOUVAIN, Louvain-la-Neuve, Belgium)

09:00 Plastics: Learnings from their too Massive Success to Create a Sustainable Tomorrow! (IL04)

Dr Philippe REUTENAUER
(ENDLESS, Le Poiré-sur-vie, France)

09:40 Tailoring of Novel Benzoxazine-Based Elastomeric Matrices Incorporating Carbon Nanotubes for Innovative Broad-Range Piezoresistive Pressure Sensors (OC09)

Mr Hugo PUOZZO
(UMONS, Mons, Belgium)

10:00 The Use of TGA to Study Polymer Degradation (OC10)

Mr Prakhar POURANICK
(VUB, Brussels, Belgium)

10:20 Radical Cure Technology on the Move (IL05)

Dr Patrice ROOSE
(ALLNEX, Drogenbos, Belgium)

11:00 Coffee Break

Session 5

Session Chair

Prof. Charles-André FUSTIN
(UCLOUVAIN, Louvain-la-Neuve, Belgium)

11:30 Multi-scale Investigation of Elastomer Fracture: from Molecules to Mechanics (IL06)

Prof. Costantino CRETON
(ESPCI, Paris, France)

12:10 Linear and Nonlinear Shear Rheology of Supramolecular Chains with Sticky-Side Groups (OC11)

Ing Alexis ANDRÉ
(UCLOUVAIN, Ottignies-Louvain-la-Neuve, Belgium)

12:30 Validation of a 1D Dynamic Thermal Finite Difference Model for the Rotational Moulding of an Amorphous Polycarbonate Resin (OC12)

Mr Maxim VANDAELE
(KU LEUVEN, Sint-Michiels, Belgium)

12:50 Buffet Lunch

Session 6

Programme

Session Chair

Dr Dirk BONTINCK
(ALLNEX BELGIUM, Drogenbos, Belgium)

- 14:00 Development of Cationic Polyethylenimine Analogues for Gene Delivery (OC13)**
Ms Ine MERTENS
(UGENT, Ghent, Belgium)
- 14:20 Continuous Flow Formulation of Biodegradable Polymer Microparticles for Drug Delivery (OC14)**
Mr Jérémie CAPRASSE
(ULIEGE, Liège, Belgium)
- 14:40 On Complex(ed) Relations: The Power and Peculiarities of Nanoscopic Polymer Coacervates (IL07)**
Prof. Ilja VOETS
(EINDHOVEN UNIVERSITY OF TECHNOLOGY, Eindhoven, The Netherlands)
- 15:20 Award Ceremony**
- 15:40 Closing Remarks**