

Programme

Monday 14/11/2022

09:00 Welcome Coffee & Registration

09:50 Opening Remarks

Session 1

Session Chair:

Prof. Wim THIELEMANS
(KU LEUVEN, Kortrijk, Belgium)

10:00 Cascade Reactions in Confined Polymeric Modules (IL01) *Virtual Presentation*

Prof. Katharina LANDFESTER
(MPI MAINZ, Mainz, Germany)

10:40 Why Perfectly Controlled Gradient Copolymers Don't Exist (OC01)

Dr Robert CONKA
(UGENT, Ghent, Belgium)

11:00 Elucidating 3D Structures of Catalytic Sequence-defined Oligomers Through Molecular Modeling Approaches (OC02)

Mr Sinan KARDAS
(UMONS, Mons, Belgium)

11:20 Dynamic Double Network Hydrogels with Tunable Properties and Processing (OC03)

Ms Sofie HOUBEN
(UHASSEL, Hasselt, Belgium)

11:40 Recyclable Thermosets Without Creep: Mission Impossible? (OC04)

Mr Filip VAN LIJSEBETTEN
(UGENT, Ghent, Belgium)

12:00 Sandwich Lunch, Exhibition and BPG General Assembly

Session 2

Session Chair

Dr Marcin KACZOROWSKI
(KU LEUVEN, Kortrijk, Belgium)

13:20 Cellulose Nanocrystals Modification by Grafting from Ring Opening Polymerization of a Cyclic Carbonate (OC05)

Mr Michael LALANNE-TISNE
(KU LEUVEN, Kortrijk, Belgium)

13:40 Inherently Intumescent Polymer Via Solid-state Modification of Poly (Butylene Terephthalate) using Sugar Derivatives (OC06)

Ms Carolane GERBEHAYE
(UMONS, Mons, Belgium)

Programme

- 14:00** **Polymeric-Inorganic Hybrid Membranes: the Best of Both Worlds or a Membrane Illusion? (IL02)**
Dr Raymond THÜR
(AGFA, Mortsel, Belgium)
- 14:40** **Phase Behavior and State Diagrams of Mixtures for Organic Near-IR Photodetectors based on Novel PBTTT Derivatives (OC07)**
Ms Zhen LIU
(VUB, Brussels, Belgium)
- 15:00** **Characterization and Benchmarking of New Polymer Powders for Additive Manufacturing (OC08)**
Mrs Mouna HAMID
(KU LEUVEN, Leuven, Belgium)
- 15:20** **Coffee Break and Exhibition**
- Session 3**
- Session chair**
Dr Jose Jonathan RUBIO ARIAS
(KULEUVEN, Kortrijk, Belgium)
- 16:05** **Shape-memory Polyester-urethanes as a Tool in Corneal Endothelial Tissue Engineering (OC09)**
Mr Jasper DELAEY
(UGENT, Ghent, Belgium)
- 16:25** **Fully Degradable Shape Memory Composites: Impact of Fiber Diameter on Mechanical and Shape Memory Properties (OC10)**
Mr Oscar RABAUX
(ULIÈGE, Liège, Belgium)
- 16:45** **The Effect of Temperature on the Structural Behaviour of Particulate Crosslinked Gelatin-methacryloyl Gels (OC11)**
Ms Tess DE MAESENEER
(KU LEUVEN, Leuven, Belgium)
- 17:05** **Poster session A (odd numbers) and Exhibition**
- 18:05** **Poster session B (even numbers) and Exhibition**
- 19:05** **Free Time**
- 20:00** **Conference Dinner**
- 22:00** **BPG Party**

Programme

Tuesday 15/11/2022

09:00 Registration

Session 4

Session chair

Prof. Louis PITET
(UHASSELT, Diepenbeek, Belgium)

09:30 Stimuli-Responsive Polymers based on Supramolecular Designs (IL03)

Prof. Christoph WEDER
(ADOLPHE MERKLE INSTITUTE, Fribourg, Switzerland)

10:10 PTMPM@SiO₂ Functional Fillers to Improve the Performance of Commercial PEO as Solid Electrolyte (OC12)

Ms Zehan CHEN
(UCLouvain, Louvain-la-Neuve, Belgium)

10:30 Designing ABS-based Nanocomposite Materials for Fused Filament Fabrication (OC13)

Mr Daniel Victor AMARAL CERETTI
(UGENT, Ghent, Belgium)

10:50 Coffee Break & Exhibition

Session 5

Session chair

Dr Valentin BEYER
(KU LEUVEN, Kortrijk, Belgium)

11:20 Homocoupling in Push-pull Conjugated Polymers for Organic Solar Cells: Structural Defect or Benefit? (OC14)

Mr Sander SMEETS
(UHASSELT, Diepenbeek, Belgium)

11:40 The Use of 1,2-Diaminocyclohexane as the New Key in Solvent-Resistant Nanofiltration Membranes (OC15)

Mrs Marie LENAERTS
(KU LEUVEN, Leuven, Belgium)

12:00 Amphiphilic Poly (N-Vinylpyrrolidone)-Based Lipoplex Modifiers for Drug Delivery Applications (OC16)

Mr François TOUSSAINT
(ULIÈGE, Liège, Belgium)

12:20 Towards a Diagnostic Acrylated Poly (ethylene glycol)-based Hydrogel Wound Dressing for the Treatment of Burn Wounds (OC17)

Ms Manon MINSART
(GHENT UNIVERSITY, Ghent, Belgium)

12:40 Buffet Lunch

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Session 6

Session chair

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

- 14:00** **MASTER AWARD FRENCH SPEAKING COMMUNITY**
Sequence-Defined Oligomers Bearing Nucleobases: Targeting Specificity in Folding and Supramolecular Assembly (OC18)
Mr David DELLEMME
(UMONS, Mons, Belgium)
- 14:15** **MASTER AWARD DUTCH SPEAKING COMMUNITY**
Data Encryption and Read-Out Through Self-Immolative, Sequence-Defined Macromolecules (OC19)
Mr Jens VAN HOORDE
(UGENT, Ghent, Belgium)
- 14:30** **Workshop: “How to reach a broad public/How do you get your research into the media?”**
Mr Toon VERLINDEN
(THE FLOOR IS YOURS, Kontich, Belgium)
- 15:15** **Award Ceremony**
- 15:35** **Closing Remarks**