

EPF 9th Summer School

Monday, May 20th

- 10.00 13.45 Registration and Mix-together lunch
- 13.45 14.00 **F. Du Prez, Ghent University (B)**: Opening and introduction

Session I Fundamentals on thermosetting networks

- 14.00 15.30 **J.-P. Pascault, INSA-Lyon (F)**: Chemistry and processing of Thermosets: an Overview
- 15.30 16.00 Break
- 16.00 17.00 **P. Cassagnau, Lyon University (F)**: Rheological measurements of polymer networks
- 17.00 18.00 **S. Caillol, ENSCGM Montpellier (F)**: Synthesis of biosourced polymer networks
- 19.00 Wine and cheese party

Tuesday, May 21st

Session II Principles of vitrimers and dynamic covalent networks

- 9.00 10.30 L. Leibler, ESPCI, Paris (F): Transforming thermoplastics in vitrimers
- 10.30 11.00 Break
- 11.00 12.30 **C. Bowman, Boulder University (USA)**: Covalent adaptable networks based on thiol-thioester exchange reactions
- 12.30 14.30 Lunch
- 14.30 16.00 **R. J. J. Williams, Conicet, Mar Del Plata (Arg)**: Statistical analysis and examples of vitrimers based on transesterification reactions
- 16.00 16.30 Break
- 16.30 18.00 **F. Tournilhac, Paris ESPCI (F):** Transesterification-based vitrimers and composites
- 18.00 19.00 Poster Flash presentations
- 20.00 **Dinner**

Dynamic and Reversible Polymer Networks

Wednesday, May 22nd

- 9.30 11.00 **J. Winne, Ghent University (B)**: Designing dynamic covalent polymers: reconciling robustness and stability with a high reactivity
- 11.00 12.00 **A. Rekondo, CIDETEC, San Sebastian (S)**: Dynamic networks and composites based on aromatic disulfide metathesis
- 12.00 13.30 Lunch

FREE AFTERNOON

Thursday, May 23rd

Session III Reversible networks

- 9.00 10.00 **A. Sanyal, Bogazici University (T)**: Synthesis and applications of reversible networks based on Diels Alder chemistry
- 10.00 11.00 **J.-M. Raquez, Mons University (B)**: Melt-Processing of reversible networks and related (nano)composites based on Diels-Alder chemistry
- 11.00 11.30 *Break*
- 11.30 12.30 **A. Palmans, Eindhoven University (NL):** Reversible networks based on hydrogen bonding
- 12.30 14.30 Lunch

Session IV Characterization of vitrimers and dynamic covalent networks

- 14.30 15.30 **D. Montarnal, Lyon University (F)**: mechanical and viscoelastic properties of dynamic networks
- 15.30 16.30 **G. Van Assche, Free University of Brussels (B)**: Characterization of the self-healing properties of reversible networks
- 16.30 17.00 *Break*
- 17.00 19.00 *Poster session* 20.00 *Social dinner*

Friday, May 24th

- 10.00 11.00 **C. Storm, Eindhoven University (NL):** Theoretical modeling of dynamic polymer networks
- 11.00 12.00 E. Van Ruymbeke, Université catholique de Louvain (B): Rheological properties of transient networks
- 12.00 12.15 E. Drockenmuller, Lyon University (F): Closing with poster awards
- 12.15 13.30 Lunch and departures