

DUTCH POLYMER DAYS - 20

MONDAY 24 APRIL 2023

- 09.30 - 10.15 **Registration & Coffee** *update: 15 MARCH 2023*
- 10.15 - 10.20 **OPENING: Prof. Rint Sijbesma (TU/e)**
- 10.20 - 10:40 Recyclable Soft Actuators Based on Supramolecular Liquid Crystal Polymers
[Sean Luggar | LinkedIn](#), Dirk Jan Mulder and Albert Schenning (TU/e)
- 10.40 - 11:00 From Nature's Chirality to a New Generation of Biobased Polyesters
[Antonis Vasileiadis | LinkedIn](#), Christopher-Peter Kelevendjiev, Mitchell Glass, Stella Korfia, Myrto Sarigiannidou and Katja Loos (RuG)
- 11.00 - 11.20 Adhesion-Modified Polypropylene Composites: A Sticky Situation
[Stan Looijmans | LinkedIn](#), Lambert van Breemen and Patrick Anderson (TU/e)
- 11.20 - 11.40 Designing Asymmetric Polyelectrolyte Multilayer Membranes for Efficient Separations
[Wendy Jonkers | LinkedIn](#), Jurjen Regenspurg, Esra te Brinke and Wiebe de Vos (UT)
- 11.40 - 12.00 Phosphate Esters in Dynamic Covalent Networks
Soumabrata Majumdar, Diederik van Luijk, Huiyi Zhang, Brahim Mezari, Stan Looijmans, Lambert van Breemen, Rolf van Benthem, Hans Heuts, Rint Sijbesma (TU/e), Ivo Beeren and Matt Baker (UM)
- 12.00 - 12.20 Click Chemistry-based Polymers Studied One by One: AFM & AFM-IR Studies
[Xuecong Li | LinkedIn](#), Francesco Ruggeri and Han Zuilhof (WUR)
- 12.30 - 14.00 **Lunch**
Meeting PTN - NWO - KNCV - Group Leaders (room 13)
- 14.00 - 17.00 **WORKSHOP A, B, C & D** (15.20 - 15.40 Tea Break)
- 17.15 - 18.15 **PTN Medema Lecture Award Winner 2023**
Toward Sustainable Thermoplastic Elastomers: Tapered Block and Multiblock Copolymers of Styrene, Isoprene and New Bio-Based Monomers
Prof. Axel Müller (University of Mainz – Germany)
- 18.30 - 20.00 **Dinner**
- 20.00 - 22.00 **POSTER SESSION & WINE & CHEESE (EUROPE HALL)**

DUTCH POLYMER DAYS - 20

TUESDAY 25 APRIL 2023

- 08.00 - 09.00 **Breakfast & Check out hotel rooms De Werelt**
- 09.00 - 09.20 Engineering Stress Stiffening Behavior into Supramolecular Hydrogels
[Martin Rutten | LinkedIn](#), Laura Rijns, Simone Hendrikse, Riccardo Bellan, Shikha Dhiman, Hongbo Yuang (KU Leuven), Paula de Almeida (RU Nijmegen), Susana Rocha (KU Leuven), Paul Kouwer (RU Nijmegen) and Patricia Dankers (TU/e)
- 09.20 - 09.40 Preparation of Lignin-based Imine Vitrimers and Their Potential Application as Repairable, Self-cleaning, Removable, Degradable, Coatings
[Jian Liu | LinkedIn](#) and Katrien Bernaerts (UM)
- 09.40 - 10.00 Biomimetic Cytoskeleton in Synthetic Cells: Increasing Organizational Complexity and Diverse Functionality
[Sebastian Novosedlik | LinkedIn](#) and Jan van Hest (TU/e)
- 10.00 - 10.20 Foul No More: Reversible Antifouling Polymer Coatings via Adsorption Strategies
[Annemarie Maan | LinkedIn](#), Chantal Graafsma, Anton Hofman, Théophile Pelras, Marleen Kamperman (RuG) and Wiebe de Vos (UT)
- 10.20 - 10.40 **Coffee Break**
- 10.40 - 11.00 The Customization of Polyelectrolyte Layer-by-Layer Nanofiltration Membranes
[Danielle Scheepers | LinkedIn](#), Anna Casimiro, Jeroen de Keizer, Zandrie Borneman and Kitty Nijmeijer (TU/e)
- 11.00 - 11.20 Modulating Ion Conductivity via Light Switchable Polymers
[Gianni Pacella | LinkedIn](#), Rachael Annah, Ryan Chiechi, Shirin Faraji and Giuseppe Portale (RuG)
- 11.20 - 11.40 Closed-loop Recycling of Poly(imine-carbonate) Derived from Plastic Waste and Bio-based Resources
[Keita Saito | LinkedIn](#), Fabian Eisenreich, Tankut Türel and Željko Tomović (TU/e)
- 11.40 - 12.00 How Polymer Microstructure Controls the Size & Shape of Single-chain Polymeric Nanoparticles in Aqueous Media
[Stefan Wijker | LinkedIn](#) and Anja Palmans (TU/e)
- 12.00 - 12.30 **Winner of the Challa Polymer Award 2023**
[Jeroen Sol, PhD | LinkedIn](#) (Supervisors: Prof. Albert Schenning & Dr. Michael Debije (TU/e))
- 12.30 - 13.30 **Lunch**
- 13.30 - 15.10 **WORKSHOP I, II & III** (15.10 - 15.30 Tea Break)
- 15.30 - 16.10 **Vitrimers: Permanently crosslinked polymers with dynamic network topology**
Prof. Renaud Nicolaÿ (ESPCI Paris-PSL - France)
- 16.10 - 16.25 **CEREMONIES & CLOSURE: Prof. Katja Loos (RuG)**
Awards of the Best: Plenary & Workshop Lectures & Posters DPD-20