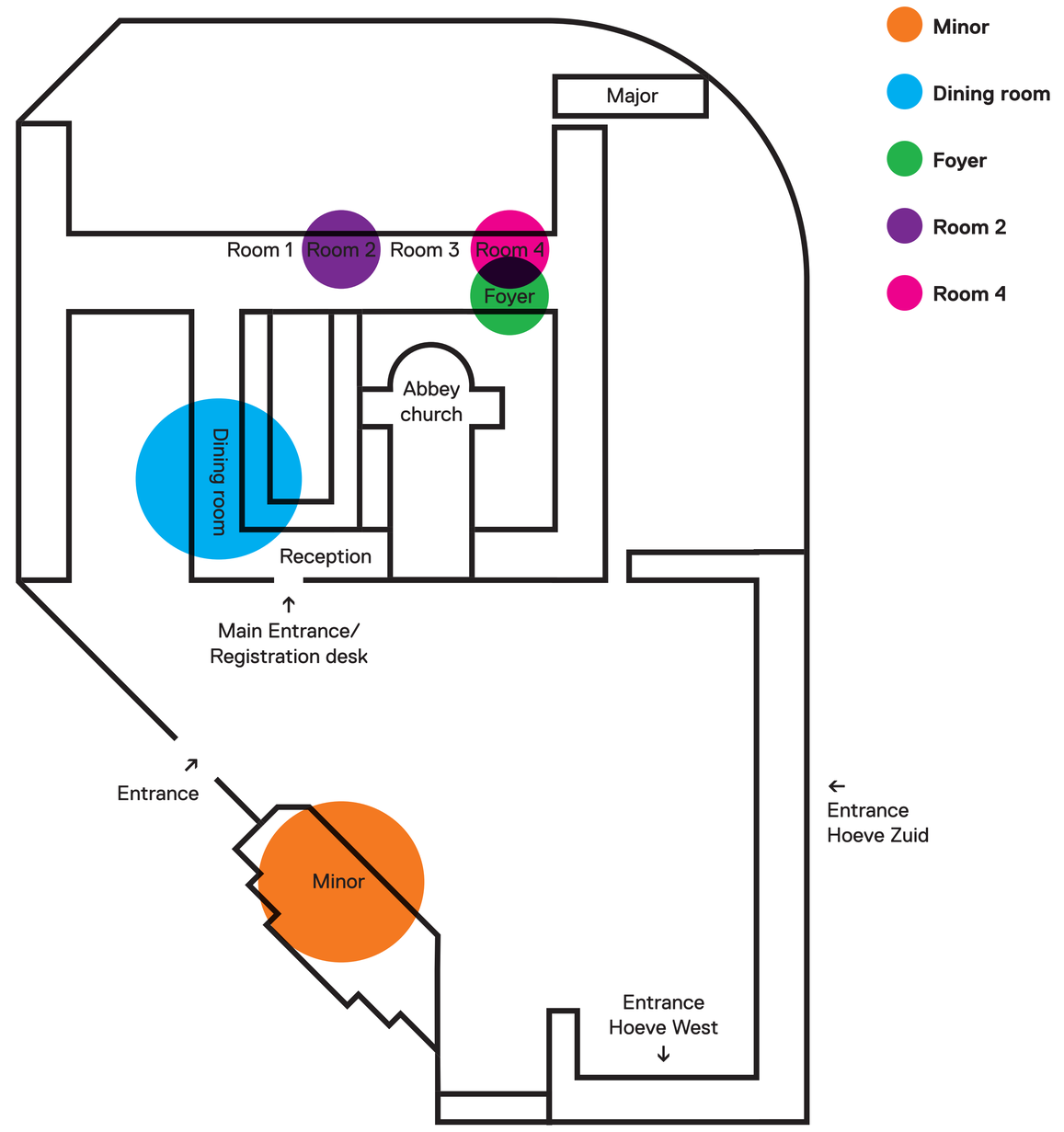
Rolduc Polymer Conference

Program

Innovative Polymer Materials for Future Mobility



Program Monday 11-09-2017

09:00 - 17:30	**Registration desk open**	
10:30 - 10:45	**Welcome**	
10:45 - 11:30	**Martin Möller | RWTH Aachen University** The importance of Polymers for our Future.	**Invited Speakers**
11:30 - 12:15	**Wolfgang Falter | Deloitte** The Future of Mobility and the likely Impact on Polymers.	Minor
12:15 - 13:15	**Lunch**	Dining room
13:15 - 14:00	**Sybrand van der Zwaag | TU Delft** From a microscopic approach to a molecular approach.	**Invited Speakers**
14:00 - 14:45	**Linda Havermans | SABIC** Meeting the challenge of delivering global PP compound solutions.	Minor
14:45 - 15:15	**Break**	Foyer

Functional Materials & Coatings

15:15 - 15:35	**Y. Zhou | Eindhoven University of Technology** Poly(butylene terephthalate)/ glycerol-based vitrimers via solid-state polymerization.	
15:35 - 15:55	**A. Pich | RWTH** Decoration of Surfaces with Functional Microgels	
15:55 - 16:15	**S. Kragt | Eindhoven University of Technology** Temperature-responsive reflective polymer coatings.	
16:15 - 16:35	**F. Plamper | RWTH** Electrochemical Deposition of Polyelectrolytes.	
16:35 - 16:55	**G. Parisi | SABIC** SABIC advanced material solutions for Auto Electronics.	
16:55 - 17:15	**J. Watkins | University of Massachusetts** Large Area Fabrication of Functional Hybrid Materials for Optical, Electronic and Energy Applications using Brush Block Copolymers as Templates.	Room 2

Lightweight Materials and (Nano) Composites

15:15 - 15:35	**F. de Santis | University of Salerno** Melt compounding of Poly (Lactic Acid) with carbon-based fillers.	
15:35 - 15:55	**V. Khunova | Slovak University of Technology** Halloysite Nanotubes: New challenge for Polymer Nanocomposites and Nanofibres.	
15:55 - 16:15	**H. Frey | University of Mainz** Well-Defined (AB)n-Type Multiblock Copolymers: Extremely Tough or Highly Elastic Material.	
16:15 - 16:35	**D. Romano | Maastricht University** Bridging polymer synthesis and ease in processing.	
16:35 - 16:55	**J. Krist | SABIC** The improvement of the degassing time of light weight LDPE foams by adapting polymer properties.	
16:55 - 17:15	**Y. Su | Brightlands Materials Center** Adhesion in Carbon Fiber Reinforced Thermoplastic Composites.	Minor

17:30 - 19:00	**Freetime**	
19:00 - 20:30	**Dinner**	Dining room
20:30 - 23:00	**Posters & drinks**	Room 4

Program Tuesday 12-09-2017

08:00 - 10:00	**Registration desk open**	
9:00 - 9:45	**Nikhil Verghese | SABIC** Thermoplastic Composite Solutions for Mass Markets: Opportunities and Challenges.	**Invited Speakers**
9:45 - 10:30	**Arjen Bogaerds | DSM** Additive Manufacturing; process analysis for material design.	Minor
10:30 - 11:00	**Break**	Foyer

Additive Manufacturing

11:00 - 11:20	**J. Harings | Maastricht University** Aligning macromolecular and structural dynamics in fused deposition modeling; complexity in the 4th dimension.	
11:20 - 11:40	**R. Kleijnen | Inspire AG** Improving the efficiency of car climate control with laser sintered parts.	
11:40 - 12:00	**J. Onken | RWTH** Increasing electrical and mechanical properties by using a combined additive manufacturing process.	
12:00 - 12:20	**T. ten Cate | Brightlands Materials Center** Predicting mechanical and geometrical quality of 3D photopolymer products.	Room 2

Lightweight Materials and (Nano) Composites

11:00 - 11:20	**S. Schmitt | RWTH** Production of hybrid thermoset/ thermoplastic composites by photonic-enabled intrinsic joining based on injection molding.	
11:20 - 11:40	**D. Brands | SABIC** Fiber length of Long Glass Fiber-Reinforced Thermoplastics under Controlled Conditions in a Couette Flow: experimental results.	
11:40 - 12:00	**F. Naddeo | University of Salerno** Algorithm-based FE parametric modelling for the optimization of mechanical performances of 3D polymeric entangled filament structures.	
12:00 - 12:20	**J. Schormans | Eindhoven University of Technology** Simulating the notch sensitivity of woven carbon-fiber laminates under compressive loading.	Minor

12:20 - 13:30	**Lunch**	Dining room
13:30 - 14:15	**Ruud Rulkens | DSM** Macromolecular architectures in DSM: High Performance Polyamides.	**Invited Speakers**
14:15 - 15:00	**Filip Du Prez | Ghent University** Vitrimers: recyclable and reshapable thermosets and composites.	Minor
15:00 - 15:30	**Break**	Foyer

New Polymers for Automotive

15:30 - 15:50	**M. Roy | Maastricht University** Towards fully renewable and biodegradable thermally curable 2-oxazoline based coatings.	
15:50 - 16:10	**A. Wroblewska | Maastricht University** Renewable polyamides containing rigid spiroacetal moieties.	
16:10 - 16:30	**K. Bernaerts | Maastricht University** Synthesis and characterization of partially bio-based polyamides from rigid galactaric acid derivatives with elevated glass transition temperatures.	
16:30 - 16:50	**G. van Doremaele | Arlanxeo** Defining EPDM for 50 years.	Room 2

Bio-based Polymers and Recycling

15:30 - 15:50	**R. Knoop | Wageningen University Research** Bio-based Copolyesters derived from the Isomers of Furandicarboxylic Acid.	
15:50 - 16:10	**H. van Doormalen | Arlanxeo** Development of high-quality EPDM products with enhanced sustainability.	
16:10 - 16:30	**C. Wilsens | Maastricht University** Liquid crystalline polymers from renewable resources: Synthesis, characterization, and applications in composites.	
16:30 - 16:50	**F. Picchioni | University of Groningen** Thermoreversible cross-linking of Rubber	Minor

16:30 - 19:30	**Free time**
19:30 - 21:30	**Conference dinner Abbey wine cellars**

Program Wednesday 13-09-2017

08:30 - 10:30	**Registration desk open**	
9:00 - 9:45	**Martin van Duin | Arlanxeo** Sustainable compounding and recycling of (EPDM) rubber.	**Invited Speakers**
9:45 - 10:30	**Katja Loos | Groningen University** Enzymatic polymerizations – novel ways to (new) polymer systems.	Minor
10:30 - 11:00	**Break**	Foyer

Functional Materials & Recycling

11:00 - 11:20	**N. Van Herck | Ghent University** Healable shape-memory polyurethanes using reversible triazolinedione chemistry.	
11:20 - 11:40	**P. Buskens | Brightlands Materials Center** Adaptive Infrared Regulating Glass Coatings.	
11:40 - 12:00	**J.W. van Hoek | University of Twente** Designing a Circular Economy for Passenger Car Tires.	
12:00 - 12:45	**Ludwik Leibler | ESPCI Paris** When everyday plastics become high-performance vitrimers.	**Invited Speaker**
12:45- 13:00	**Closing remarks**	Minor
13:15 - 14:15	**Lunch**	Dining room
14:15 - 15:00	**Farewell party Rolduc library**	Library (first floor)
15:00 - 17:00	**Optional tour to Brightlands Chemelot Campus**	

Knowledge crossing borders