

17th DRESDEN POLYMER DISCUSSION: Adaptive Polymer Synthesis Methodologies

Meissen (Germany), March 29th to April 1st, 2020

Guest of Honor: Prof. Dr. Oskar Nuyken, honoring his 80th birthday (Dec. 2019)

PROVISONAL PROGRAMME as of January 2020

Sunday, March 29th

17:00 Arrival/Start of registration

19:30 Supper/Get-together/ Discussions

Monday, March 30 th	Tuesday, March 31 st	Wednesday, April 1 st
8:15 Breakfast	8:15 Breakfast	8:15 Breakfast
<i>Chair:</i>	<i>Chair:</i>	<i>Chair:</i>
9:00 Opening	9:00 Filip Du Prez Ghent University Precision macromolecular engineering: From cold data storage to macromolecular pin codes	9:00 Craig Hawker University of California Santa Barbara Printing of multi-functional polymeric materials
9:15 Krzysztof Matjazewski Carnegie Mellon University Atom transfer radical polymerization as an adaptive polymer synthetic methodology	9:30 Laura Hartmann Heinrich-Heine-Universität Düsseldorf Step by step - sequence-controlled polymers through solid phase assembly	9:30 Ulrich Schubert Friedrich-Schiller-Universität Jena Polymer Research 4.0: From systematic libraries to tailor-made pharmapolymers for nanomedicine
9:45 Athina Anastasaki ETH Zürich Tuning molecular weight distributions by ATRP and RAFT: A discussion	10:00 Jean-Francois Lutz Université de Strasbourg Informational polymers: Synthesis, scale- up and opportunities for applied polymer science	10:00 Gerhard Maier Polymaterials GmbH S-PAN for lithium-sulfur batteries: Scale- up and optimization
10:15 Break	10:30 Break	10:30 Break

	<i>Chair:</i>		<i>Chair:</i>		<i>Chair:</i>
10:45	Nikos Hadjichristidis King Abdullah University of Science and Technology C1 and C3 polymerizations: Towards unprecedented structures and properties	11:00	Katharina Landfester Max-Planck-Institut für Polymerforschung Control of polymer structures by confined geometry	11:00	Dagmar D'Hooge Ghent University Designing inorganic and organic networks from the chemical to material scale
11:15	Michael Buchmeiser University of Stuttgart Stereoregular functional precision polymers prepared from chiral Mo/W alkylidene N-heterocyclic carbene catalysts	11:30	Frank Böhme Leibniz-Institut für Polymerforschung Dresden Synthesis of amphiphilic model networks using bifunctional coupling agents	11:30	Karen Wooley Texas A&M University Synthetic strategies by which to afford natural product-based polymer materials: Impacts on sustainability, life, health and the environment
11:45	Jens Gaitzsch Bioinspired and biodegradable nanoparticles: A synthetic approach	12:00	Erik Wegener Technische Universität Dresden Molecular and bottle-brush brushes for biomedical and interfacial applications	12:00	Concluding remarks
12:15	<i>Lunch</i>	12:30	<i>Lunch</i>	12:20	<i>Lunch</i>
	<i>Chair:</i>		<i>Chair:</i>		
13:15	N.N.	13:30	Tanja Weil Max-Planck-Institut für Polymerforschung Controlling polymer assembly and function by dynamic covalent chemistry		
13:45	Katja Loos University of Groningen Enzymatic polymerizations – Making polymer synthesis more sustainable	14:00	Ghislaine Vantomme Eindhoven University of Technology Supramolecular strategies for adaptive materials		
14:15	Franziska Lissel Leibniz-Institut für Polymerforschung Dresden Pathways to redox-active polymetallaynes	14:30	Tristan Bereau Max-Planck-Institut für Polymerforschung Computational high-throughput screening for soft-matter materials		
14:45	<i>Break</i>	15:00	<i>Break</i>		

<i>Chair:</i>		<i>Chair:</i>	
15:15	Ullrich Scherf Bergische Universität Wuppertal Rigidified, aromatic polymer architectures	15:30	PhD Du Prez Ghent University
15:45	Xinliang Feng Technische Universität Dresden Polymer synthesis enabled by water surface: Towards a world of organic 2D materials	16:00	Brigitte Voit und Oskar Nuyken - The beginning of macromolecular engineering
16:15	Dieter Schlüter ETH Zurich Expanding the Staudinger concept to two dimensions	16:30	
16:45	Kim Jelfs Imperial College London Computationally assisted discovery of organic materials		
17:15	<i>Break</i>	17:15	<i>Sightseeing planned</i>
17:30	<i>Poster Discussion</i>		
19:00	<i>Supper</i>	19:00	<i>Dinner</i>