

## Meeting in ONLINE EVENT Wednesday February 23, 2022

### Afternoon Session 14:00 – 18:00

14:00 – 14:10	<b>OPENING REMARKS</b> PROF. PRASAD SHASTRI (Meeting Chair, University of Freiburg, Germany)
14:10 – 16:30	<b>Session - I</b> Chair: PROF. PRASAD SHASTRI
14:10 – 15:10	<b>Meeting Plenary</b> PROF. PETER FRATZL (Max Planck Institute for Colloids and Interfaces, Göttingen, Germany) Biological Extracellular Matrices as Responsive and Adaptive Materials
15:10 – 15:50	PROF. SHU YANG (University of Pennsylvania, USA) Programming Intelligence in Liquid Crystalline Elastomers
15:50 – 16:30	PROF. ATHINA ANASTHASAKI (ETH-Zürich, Switzerland) Tailoring Polymer Dispersity by Controlled Radical Polymerization
<b>Coffee break</b>	
16:40 – 18:00	<b>Session - II</b> Chair: PROF. ULRICH SCHUBERT (University of Jena, Germany)
16:40 – 17:20	PROF. MICHAEL BUCHMEISER (University of Stuttgart, Germany) Cellulose and Lignin-Derived Carbon Fibers and Composites for Lightweight Structures
17:20 – 18:00	PROF. MICHAEL A. R. MEIER (Karlsruhe Institute of Technology, Germany) Renewability is not enough: sustainable synthesis of biomass-derived monomers and polymers

-----End of Day 1-----

## Thursday February 24, 2022

### Morning Session 09:00 – 12:30

09:00 – 10:40	<b>Session - III</b> Chair: PROF. MICHAEL BUCHMEISER (University of Stuttgart, Germany)
09:00 – 09:50	<b>Meeting Plenary</b> PROF. FRANK CARUSO (University of Melbourne, Australia) Engineering Metal–Organic Materials via Supramolecular Assembly
09:50 – 10:30	PROF. ALI MISREZ (Nanyang Technological University, Singapore) Protein-Based Supramolecular Materials as Sustainable Polymers
Coffee break/Online Pause	
10:40 – 12:35	<b>Session - IV Future of Polymers</b> Chair: PROF. RAINER HAAG (Free University of Berlin, Germany)
10:40 – 11:20	PROF. MICHAEL SOMMER (TU Chemnitz, Germany) Transient mechanochromic materials
11:20 – 11:45	DR. GLAUCO BATTAGLIARIN (BASF, Ludwigshafen, Germany) Biodegradable polymers - How to innovate for a sustainable future
11:45 – 12:10	PROF. MARKUS BIESALSKI (TU Darmstadt, Germany) Tailor-made functional papers – a complex low-cost material in high-tech applications

12:10 – 12:35	DR. ERIK LICHT (LyondellBasell – Advanced Polymer Solutions, Germany) Comprehensive Solutions to advance a Circular Economy for Plastics
12:35 – 14:00	<b>LUNCH BREAK</b> <b>Online: Break</b>
<b>Afternoon Session 14:00 – 18:00 (2 PM – 6:00 PM)</b>	
14:00 – 16:00	<b>Session – V - Block Copolymers</b> Chair: PROF. SEBASTIAN SEIFFERT (University of Mainz, Germany)
14:00 – 14:40	PROF. BRADLEY OLSEN (Massachusetts Institute of Technology, USA) Building an Informatics Ecosystem for Data-Driven Research in Polymer Science
14:40 – 15:20	PROF. MICHAEL RUBENSTEIN (Duke University, USA) Puzzles of the Airway Surface Layer
15:20 – 16:00	PROF. EVA HART (University of Houston, USA) Polyolefin-polyvinyl block copolymers: Synthesis and application
<b>Coffee break</b>	
16:40 – 18:00	<b>Session - VI – Polymer Electronics</b> Chair: DR. MICHAEL KORELL (EVONIK Group, Germany)
16:40 – 17:20	PROF. NITASH BALSARA (University of Berkeley, USA) Limiting current in polymer electrolytes for lithium batteries
17:20 – 18:00	DR. FRANZISKA LISSEL (Leibniz Institute/TU Dresden, Germany) Triblock Copolymers: Nanophase Separation Achieves Low Modulus, Elastic Deformation and Good Mobility in Polymer Semiconductors
<b>-----End of Day 2-----</b>	
<b>Friday February 25, 2022</b>	
<b>Morning Session 09:00 – 12:00</b>	
09:00 - 10:40	<b>Session - VII</b> Chair: PROF. HANS-WERNER SCHMIDT (University of Bayreuth, Germany)
09:00 – 09:40	PROF. STEFAN MECKING (University of Konstanz, Germany) Main-chain functionalized polyethylenes for closed loop recycling and non-persistent environmental behaviour
09:40 – 10:20	PROF. CHRISTOPH WEDER (Adolphe Merkle Institute/University of Fribourg, Switzerland) Bio-Based, Bio-Inspired Nanocomposites
Coffee break/Online Pause	
10:50 – 11:40	<b>Session – VIII -Young Scientists Session</b> Chair: PROF. ANDREAS WALTHER (University of Mainz, Germany)
10:50 – 11:15	Dr. CHRISTOPHER SYNATSCHKE (MPI for Polymer Research, Mainz, Germany) Controlling Cell-Material Interactions through Responsive Supramolecular Assemblies
11:15 – 11:40	WILEY MACROMOLECULAR RAPID COMMUNICATIONS YOUNG RESEARCHER LECTURESHIP (Live talk and award ceremony)

	<b>To be announced LIVE during the Colloquium</b>
<b>11:40 – 13:00</b>	<b>LUNCH BREAK</b> <b>Online: Break</b>
<b>Afternoon Session 13:00 – 18:30PM (1:00 PM – 6:30 PM)</b>	
<b>13:00 – 14:45</b>	<b>Session – IX (Poster Session) (30 posters)</b> <b>Poster Introduction</b> Chair: PROF. ANNETTE SCHMIDT (University of Cologne, Germany)
<b>14:45 – 16:15</b>	<b>Poster Viewing/Coffee Break</b> Breakout in Zoom Rooms <b>Poster viewing in individual zoom rooms</b>
<b>16:15 – 18:15</b>	<b>Session – X – Session in Honor of Prof. Hans-Werner Schmidt</b> Chair: PROF. ANDREAS GREINER (University of Bayreuth, Germany)
16:15 – 16:55	PROF. HANS-WERNER SCHMIDT (University of Bayreuth, Germany) From molecular building blocks to supramolecular nanofibers and superstructures with complex morphologies
16:55 – 17:35	PROF. CHRISTOPHER OBER (Cornell University, USA) From Self-assembly to directed assembly: Structural control at the nm-length scale
17:35 - 18:15	PROF. CRAIG HAWKER (University of California – Santa Barbara, USA) Simpler, Faster and Better – Pushing the Limits of Polymer Synthesis
18:15 – 18:20	WILEY POSTER PRIZE
18:20 – 18:30	CLOSING REMARKS PROF. PRASAD SHASTRI
18:30	MEETING ADJOURNED
<b>-----End of Meeting-----</b>	
<b>Save the date</b>	
<b>Makro 2023 – February 22-24</b>	

Note: All talks will be delivered live (i.e., in real time) unless indicated otherwise.

**\*\*** The details about the poster session (presenter, title, and order of presentation) will be uploaded shortly.