

SupraChem 2022 – Program

Sunday, July 3

15:00 **Registration**

16:30 **Welcoming Remarks**
TW, PB, SK, AW, Mainz

Session 1: Metallo-Supramolecular Assemblies

16:40 **Keynote Lecture**
Luisa De Cola, University of Milano
Supramolecular Assembly into Luminescent Materials

17:15 **Gustavo Fernandez**, University of Münster
Controlled Supramolecular Polymerization of Discrete Metal-containing π -Conjugated Systems

17:35 **Stephen Schrettl**, Technical University of Munich
Supramolecular Co-Assemblies as Mechanically Robust Polymer Materials

17:55 **Zhixuan Zhou**, Max Planck Institute for Polymer Research
In Situ-Assembly of Platinum (II)-Metallopeptide Nanostructures Disrupts Energy Homeostasis and Cellular Metabolism

18:10 **Award of the Literature Prize 2022 of the "Fonds der Chemischen Industrie"**
Laudatio: Frank Würthner, Julius Maximilian University of Würzburg

18:35-
20:00 **Welcome Reception**

Monday, July 4

Session 2: Non-equilibrium Systems

08:30 **Keynote Lecture**
Kurt Kremer, Max Planck Institute for Polymer Research
Transient States in Soft Matter

09:05 **Job Boekhoven**, Technical University of Munich
Active Droplets: Droplets Regulated by Chemical Reaction Cycles

09:25 **Charalampos Pappas**, University of Freiburg
Emergence of Protein-Like Structures from Single Monomers

09:45 **Dibyendu Das**, IISER Kolkata
Substrate Induced Catalyst Formation under Non-Equilibrium Conditions

10:05 **Michael Howlett**, University of Oxford
Oscillating Supramolecular Self-Replicator *An Autonomously*

10:20 **Coffee Break**

Session 3: Supramolecular Machinery, Interlocked and Dynamic Systems

- 10:50 **Simon Krause**, Max Planck Institute for Solid State Research
Dynamic Light-Responsive Porous Frameworks
- 11:10 **Chiara Taticchi**, University of Bologna
Towards an Autonomous Photochemically Driven Rotary Motor Based on a Catenane
- 11:25 **Daniel Stares**, Freie Universität Berlin
Dynamic Processes of Photo Switchable Compounds Shown by Ion Mobility Mass Spectrometry
- 11:40 **Hendrik V. Schröder**, Princeton University
Mechanically Interlocked Molecules Solely Made From Peptides
- 11:55 **Robert Hein**, University of Oxford
Redox-Switchable Chalcogen Bonding for Anion Recognition and Sensing
- 12:10 **Anna McConnell**, University of Kiel, **Larissa von Krbek**, University of Bonn
Women In Supramolecular Chemistry Network
- 12:35 **Lunch Break**

Session 4: BioSupramolecular Systems and Interfaces

- 13:30 **Keynote Lecture**
Helma Wennemers, ETH Zurich
Synthetic Collagen – From Structure to Function
- 14:05 **Maartje Bastings**, EPFL Lausanne - *invited young investigator lecture*
Supramolecular Crystallinity is a Balance of Spatial Tolerance and Affinity
- 14:30 **Andreas Herrmann**, DWI Aachen
Supramolecular Bond Cleavage enabled by ultrasound for the activation of drugs, proteins and genes
- 14:50 **Rainer Haag**, Freie Universität Berlin
Biomedical Applications of Dendritic Supramolecular Delivery Systems
- 15:10 **Shikha Dhiman**, Eindhoven University of Technology
Unravelling Multivalent Recruitment of Receptors Stimulated by Supramolecular Polymers
- 15:25 **Coffee Break**

Session 5: Molecular Cages and Host-Guest Chemistry

- 16:00 **Keynote Lecture**
Makoto Fujita, University of Tokyo
Protein Encapsulation in Self-Assembled Gigantic Cages
- 16:35 **Florian Beuerle**, Julius Maximilian University of Würzburg
Isorecticular Chemistry of Porous Covalent Organic Cage Compounds

- 16:55 **Bernd M. Schmidt**, Heinrich Heine University of Düsseldorf
Fluorinated Porous Organic Cage and Macrocyclic Compounds
- 17:15 **Jacopo Tassarolo**, Technical University of Dortmund
Self-assembly of Multifunctional Coordination Cages
- 17:30 **Adriana Sacristán-Martín**, University of Valladolid
A Reverse Redox-Based Self-Resetting Host For Fullerenes
- 17:45 **Bahiru Benke**, Ruprecht Karl University of Heidelberg
Dimeric and Trimeric Catenation of Giant Chiral [8+12] Imine Cubes
- 18:00 **Conference Group Picture**
- 18:15-20:00 **Poster Session with Beer and Pretzels**

Tuesday, July 5

Session 6: Supramolecular Polymers and Materials

- 08:30 **Keynote Lecture**
E. W. "Bert" Meijer, Eindhoven University of Technology
Dilution-Induced Supramolecular Polymerizations
- 09:05 **Max von Delius**, Ulm University - **Cram-Lehn-Pedersen prize lecture**
The Supramolecular Chemistry of all-cis Fluorinated Cyclohexanes
- 09:25 **Johannes Brendel**, Friedrich Schiller University Jena - **invited young investigator lecture**
Guiding polymer self-assembly by supramolecular polymerization
- 09:50 **José Alberto Rodríguez Agudo**, Anton Paar Germany GmbH
Advanced characterization of bioinspired and smart materials by combining rotational and linear drives in one single rheometer
- 10:05 **Daniel Görl**, EPFL Lausanne
Sustainable Materials from Reinforced Supramolecular Networks
- 10:20 **Coffee Break**

Session 7: Supramolecular Chemistry of π -Systems

- 10:50 **Keynote Lecture**
Klaus Müllen, Max Planck Institute for Polymer Research
Calling Graphene Nanoribbons to Order
- 11:25 **Massimiliano Curcio**, University of Bologna
Photoinduced Autonomous Non-Equilibrium Operation of a Molecular Shuttle by Combined Isomerization and Proton Transfer
- 11:45 **Andreas Vargas Jentsch**, University of Strasbourg
Supramolecular Polymers without a Twist

- 12:05 **Kazutaka Shoyama**, Julius Maximilian University of Würzburg
Supramolecular Stacks of Polycyclic Aromatic Hydrocarbons
- 12:20 **Michel Rickhaus**, University of Zurich
Shape-Assisted Self-Assembly – When Function Follows Form
- 12:40 **Poster Prizes and Closing Remarks**
- 13:00 **End of Conference**