

Program

- 9:15** **Opening**
Chair: Andreas Fery
- 9:20** **Andreas Walther (Universität Freiburg)**
Autonomous, out-of-equilibrium self-assemblies and material systems with programmable lifetimes
- 9:50** **Brigitte Voit (IPF Dresden)**
Multifunctional and responsive hydrogels as selective compartments and actuators in microfluidic applications
- 10:15** **Igor Kubic (CNRS, ICS, Strasbourg)**
Animated polymers – Wheels and motors within the material
- 10:45** **Julian Thiele (IPF Dresden)**
Design of microscopic polymer materials by droplet microfluidics and additive manufacturing for cell-free biotechnology
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- 11:10** **Coffee break**
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- Chair: Jens-Uwe Sommer**
- 11:30** **Mike Hamsch (TU Dresden, cfaed)**
Engineering solution processes for high-performance organic devices
- 12:00** **Sven Wießner (IPF Dresden/ TU Dresden)**
Functional elastomeric composites as smart materials
- 12:25** **Marina Grenzer (IPF Dresden)**
Versatile photomechanical response of azobenzene polymers
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- 12:50** **Break / Lunch buffet**
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- Chair: Carsten Werner**
- 13:45** **Martin Kaltenbrunner (Universität Linz)**
Bioinspired soft electronics and machines
- 14:15** **Yixin Zhang (TU Dresden, B CUBE)**
Electronic conductive hydrogel
- 14:45** **Volker Busskamp (TU Dresden, CRTD)**
Engineering functional human neuronal circuits
- 15:15** **Franziska Lissel (IPF Dresden)**
Metal centers as functional components in electronic materials
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- 15:40** **Coffee break**
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Chair: Brigitte Voit

16:10 Aránzazu del Campo (Leibniz-INM Saarbrücken)

Engineered living materials

16:40 Manfred Maitz (IPF Dresden)

Adaptive hydrogels to control blood coagulation and inflammation

17:05 Elisha Krieg (IPF Dresden)

Stimuli-responsive DNA-acrylamide copolymers for selective catch and release of molecular targets

17:30 Closing

Then Poster show and discussions