# Kick-Off Workshop

Living, Adaptive and Energy-autonomous Materials Systems (livMatS)

Thursday, September 26th 2019
Freiburg Center for Interactive Materials and Bioinspired Technologies (FIT)
Georges-Köhler-Allee 105
Ground Floor, Seminar Room

## Program

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<th>Time</th>
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<td>09:00</td>
<td>Coffee and Informal Welcome</td>
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| 09:30 | **Prof. Dr. Jürgen Rühe**  
*Welcome and Short Overview of the Cluster* |
| 10:00 | **Prof. Dr. Stefan Kaskel, Technical University of Dresden (TUD)**  
*Porous Energy Materials: From Fundamentals to Applications* |
| 10:45 | **Prof. Dr. Birgit Esser, livMatS**  
*Organic Redox Polymers as Battery Cathode Materials with High Cycling Stabilities and Rate Performance* |
| 11:15 | Coffee Break and Poster Session                                        |
| 11:30 | **Prof. Dr. Arri Priimagi, Tampere University of Technology**  
*Towards Autonomous, Adaptive, and (Re)programmable Photomechanical Actuators* |
| 12:15 | **Prof. Dr. Hans Zappe, livMatS**  
*LCEs for Tunable Optics* |
| 12:45 | Lunch Break and Poster Session                                         |
| 13:45 | **Dr. Bas Overveede, FOM institute for Atomic and Molecular Physics (AMOL)**  
*Embedding Fluidic Logic and Self-Learning in Soft Robotic Matter* |
| 14:30 | **Prof. Dr. Chris Eberl, livMatS**  
*Implementation of Adaptation and Longevity by Means of Hierarchical Biological and Technical Materials* |
| 15:00 | **Prof. Dr. Gunther Neuhaus, University of Freiburg**  
*Welcome by Vice-President for Research and Innovation* |
| 15:15 | Coffee and Poster Session                                              |
| 15:30 | **Dr. Peter Salting, Director Sustainability Methods at BASF**  
*Sustainability Assessment as Basis for Decision-Making in Materials Selection – Combining Social, Environmental and Costs Aspects* |
| 16:15 | **Prof. Dr. Rainer Grißhammer, livMatS**  
*Methodologies and Societal Background for Sustainability Analysis and Evaluation* |
| 16:45 | Coffee and Poster Session                                              |
| 17:15 | **Prof. Dr. Barbara Mazzolai, Istituto Italiano di Tecnologia**  
*Robots that Grow Like Plants* |
| 18:30 | **Prof. Dr. Thomas Speck, livMatS**  
*Lessons from Plants for a New Generation of Soft Robots* |
| 19:00 | Walking Dinner and Poster Session                                      |