

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

09:00	Coffee and Informal Welcome
09:30	Prof. Dr. Jürgen Rühle Welcome and Short Overview of the Cluster
10:00	Prof. Dr. Stefan Kaskel, Technical University of Dresden (TUD) Research Area A: Energy Autonomy 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 Priimägi, Tampere University of Technology Research Area B: Adaptivity 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 Overvelde, FOM Institute for Atomic and Molecular Physics (AMOL) Research Area C: Longevity Embedding Fluidic Logic and Self-Learning in Soft Robotic Matter
14:30	Prof. Dr. Chris Eberl, livMatS Implementation of Adaption 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 Saling, Director Sustainability Methods at BASF Research Area D: Sustainability and Societal Implications Sustainability Assessment as Basis for Decision-Making in Materials Selection – Combining Social, Environmental and Costs Aspects
16:15	Prof. Dr. Rainer Grießhammer, 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 Research Areas A – D: Generation of Technology Demonstrators 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