

Materials Science Day Mittelhessen 2018

May 16th, 2018, Philipps-Universität Marburg,
Lecture Hall Building of the Department of Chemistry, Lecture Hall A,
Lahnberge, Hans-Meerwein-Straße 8, Marburg

9:30 Registration (Foyer, Lecture Hall Building)

10:00 Opening by the managing directors of the materials science centers of the participating institutions

10:10 **Modeling electrified solid/liquid interfaces from first principles**
Dr. Stefan Wippermann, Max-Planck-Inst. für Eisenforschung GmbH, Düsseldorf

11:00 **From Molecular Switches to Carbon-based Supramolecular Assemblies - Physical Organic Chemistry as the Foundation for Molecular Materials**
Prof. Dr. Hermann A. Wegner, Institut für Organische Chemie, JLU Gießen

11:25 **Tunnel field-effect transistors: operation and modeling**
Atieh Farokhnejad, NanoP, Technische Hochschule Mittelhessen

11:50 **ToF-SIMS analysis in biomaterial research**
Dr. Anja Henß, Physikalisch-Chemisches Institut, JLU Gießen

12:15 **Lunch and Poster session**

14:00 **Hybrid and Electrochemical Scanning Probe Techniques**
PD Dr. Christine Kranz, Institut für Analytische und Bioanalytische Chemie, Universität Ulm

14:50 **Imaging electron dynamics of 2D materials in momentum space**
Dr. Robert Wallauer, Fachbereich Physik, Philipps-Universität Marburg

15:15 **Coffee Break and Poster session**

16:15 **Materials Processing by RF Ion Sources**
Dr. Martin Becker, Physikalisches Institut, JLU Gießen

16:40 **Contact Ageing of Silicon Nanojunctions: Implication from wafer bonding to earthquake dynamics**
Dr. Dirk Dietzel, Institut für Angewandte Physik, JLU Gießen

17:05 **Copper-Indium-Gallium-Sulfide (CIGS) Synthesis with Silylchalcogenide-based Ionic Liquids Cat [E-SiMe₃] (E=S, Se)**
Jannick Guschlbauer, Fachbereich Chemie, Philipps-Universität Marburg