

Materialforschungstag 2023

Donnerstag, 15.06.2023, Vorlesungsraum der Universitätsbibliothek,
Deutschhausstraße 9, 35037 Marburg

- 09:00 – 09:10 **Prof. Dr. Kerstin Volz**, Uni Marburg und **Prof. Dr. Dr. Jürgen Janek**, Uni Gießen
Willkommen und Einführung
- 09:10 – 09:30 **Dr. Anja Bielefeld**, Uni Gießen
Numerical Modeling for Solid-State Batteries: How does Microstructure contribute to Cell Performance?
- 09:30 – 09:50 **Prof. Dr. Ermin Malic**, Uni Marburg
Exciton optics, dynamics and transport in atomically thin semiconductors
- 09:50 – 10:10 **Dr. Kristof Holste**, Uni Gießen
An Alumino-Silicate Ion Source for Space Applications
- 10:10 – 10:30 **Prof. Dr. Marina Gerhard**, Uni Marburg
Exciton dynamics in molecular heterostructures: Transport versus (self-)trapping probed by time-resolved spectroscopy
- 10:30 – 11:00 Coffee break
- 11:00 – 11:20 **Prof. Dr. Jan Christoph Goldschmidt**, Uni Marburg
Materials for Terawatt-scale Photovoltaics
- 11:20 – 11:40 **Dr. Qigang Zhong**, Uni Gießen
On-surface molecular reactions studied by atomically precise imaging and manipulation
- 11:40 – 12:00 **Prof. Dr. Crispin Lichtenberg**, Uni Marburg
Molecular Bismuth Compounds: Well-Defined Precursors for Materials Science?
- 12:00 – 12:20 **Dr. Johanna Heine**, Uni Marburg
Perovskites and Beyond - Towards New Metal Halide Materials
- 12:20 – 14:00 **Group Photo** & Lunch break
- 14:00 – 14:20 **Prof. Dr. Stefan Wippermann**, Uni Marburg
Novel concepts to simulate reactions at electrified interfaces from first principles
- 14:20 – 14:40 **Prof. Dr.-Ing. Maren Lepple**, Uni Gießen
From pottery to planes - new high-performance ceramics for energy applications
- 14:40 – 15:00 **Prof. Dr. Michael von Domaros**, Uni Marburg
Simulation of chemical transport processes at surfaces and through membranes
- 15:00 – 17:30 Coffee break & **Poster Session**