



UNIVERSITÄT
LEIPZIG



**Status Seminar FOR285,
Fall School “Halogen Semiconductors”
BuildMoNa Module “Complex Nanostructures:
Halide-based Functional Materials”**

Thursday, 30 September and Friday, 1 October 2021

Steigenberger Hotel de Saxe
Neumarkt 9, 01067 Dresden, Germany

Agenda

Wednesday, 29 September 2021

19:00 Dinner for invited speaker (Restaurant “Moritz”)

Thursday, 30 September 2021

- 9:00 Prof. Dr. Marius Grundmann
Universität Leipzig, Germany
Opening
- 9:15 Prof. Dr. Hideo Hosono (online)
Tokyo Institute of Technology, Yokohama, Japan
Recent progress in Cul-based phosphors and semiconductors
- 10:00 Prof. Dr. Silvana Botti
Friedrich-Schiller-Universität Jena, Germany
Understanding and optimizing the electronic properties of Cul p-type transparent semiconductors
- 10:45 *Coffee break (Foyer)*
- 11:15 Dr. Masao Nakamura (online)
RIKEN Center for Emergent Matter Science (CEMS), Wako, Japan
Molecular beam epitaxy of single-crystalline iodide films toward the development of halide electronics





UNIVERSITÄT
LEIPZIG



- 12:00 Dr. Andrea Crovetto
Helmholtz-Zentrum Berlin für Materialien und Energie, Germany
Moisture sensitivity of CuI and new phosphide-based p-type semiconductors
- 12:45 *Lunch (Restaurant "de Saxe")*
- 14:00 Prof. Dr. Chang Yang (online)
East China Normal University, Shanghai, China
Progress in anion-doping of copper iodide thin films
- 14:45 Dr. Thomas Unold
Helmholtz-Zentrum Berlin für Materialien und Energie, Germany
Halide perovskites: from structure to electronic properties, to devices
- 15:30 *Coffee break (Foyer)*
- 16:00 Dr. Tomasz Mazur
AGH University of Science and Technology, Kraków, Poland
Halogen semiconductors in neuromorphic information processing
- 17:30 Guided walking tour (optional, approx. 1h)
- 19:00 Dinner (Restaurant "Förster's")

Friday, 1 October 2021

- 9:00 Prof. Dr. Michael Lorenz, Philipp Storm, P01
Universität Leipzig
Semiconductor Physics Group
- 9:30 Dr. Susanne Selle, P01
Fraunhofer Institute for Microstructure of Materials
and Systems IMWS Halle
- 10:00 Prof. Dr. Harald Krautscheid, P02
Universität Leipzig
Institute of Inorganic Chemistry
- 10:30 *Coffee break (Foyer)*



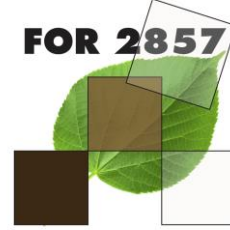


- 11:00 Prof. Dr. Marius Grundmann, Tillmann Stralka, P03
Universität Leipzig
Semiconductor Physics Group
- 11:30 Prof. Dr. Silvana Botti, Michael Seifert, P04
Friedrich-Schiller-Universität Jena
Institute of Condensed Matter Theory and Optics
- 12:00 Dr. habil. Holger von Wenckstern, Michael S. Bar, P05
Universität Leipzig
Semiconductor Physics Group
- 12:30 *Lunch (Restaurant "de Saxe")*
- 14:00 Dr. Chris Sturm, Andreas Müller, P06
Universität Leipzig
Semiconductor Physics Group
- 14:30 Prof. Dr. Claudia S. Schnohr, P07
Universität Leipzig
Structure and Properties of Complex Solids Group
- 15:00 Prof. Dr. Marius Grundmann
Universität Leipzig, Germany
Closing
- 15:05 *Coffee break (Foyer)*
- 15:30 **Proposals for new projects (internal meeting)**
- 15:30 Introduction Prof. Dr. Marius Grundmann
- 15:40 Prof. Dr. Michael Lorenz, Dr. Susanne Selle, P01
- 15:50 Prof. Dr. Harald Krautscheid, P02
- 16:00 Dr. Sofie Vogt, P03
- 16:10 Prof. Dr. Silvana Botti, P04
- 16:20 Dr. Tomáš Rauch, P08





UNIVERSITÄT LEIPZIG



- 16:30 Dr. habil. Holger von Wenckstern, P05
- 16:40 Dr. Chris Sturm, P06
- 16:50 Prof. Dr. Claudia S. Schnohr, P07
- 17:00 Discussion
- 18:00 Prospective end of internal meeting

