

Sharc25 Workshop, December 14, 2017 at ZSW in Stuttgart



- 8:45 *Reception*
- 09:00 **Michael Powalla** (ZSW, Germany)
Welcome
- 09:10 **Wolfram Witte** (ZSW, Germany)
Sharc25 project overview
- 09:30 **Arantxa Vilalta-Clemente** (University of Rouen, France)
Alkali element distribution (Na, K, Rb) in CIGS by atom probe tomography on a nanometer scale
- 10:00 **Maria Malitckaya** (Aalto University, Finland)
DFT modeling of alkali elements (Li, Na, K, Rb, and Cs) in CuInSe_2
- 10:30 *Coffee break*
- 11:00 **Roberto Menozzi** (University of Parma, Italy)
2D/3D device simulations of CIGS solar cells
- 11:30 **Max H. Wolter** (University of Luxembourg, Luxembourg)
Defects, barriers and quasi Fermi level spitting in high efficiency CIGS solar cells
- 12:00 **Guest speaker**
Malgorzata Igalson (Warsaw University, Poland)
Electronic properties of defect levels in CIGS by capacitance and photocurrent spectroscopy
- 12:35 *Lunch break (Posters)*
- 14:00 **Thomas P. Weiss** (Empa, Switzerland)
Time-resolved PL measurements of high efficiency CIGS solar cells
- 14:30 **Guest speaker**
Roland Mainz (HZB, Germany)
In-situ ED-XRD characterization during CIGSe growth by co-evaporation
- 15:05 *Coffee break*
- 15:30 **Nicoleta Nicoara** (INL, Portugal)
Nanoscale properties of alkali-treated $\text{Cu}(\text{In},\text{Ga})\text{Se}_2$ /buffer interfaces studied by Kelvin probe force microscopy
- 16:00 **Marcus Bär** (HZB, Germany)
In-depth characterization of CIGSe surfaces and interfaces
- 16:30 *Poster session*
- 17:00 *End of workshop*

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