

Programm SPP2196 Workshop March 2023

	Thu, 16/03/2023	Fri, 17/03/2023
09:00		
10:00	Registration	Project Presentations 3
11:00	SPP Intro	Coffee
12:00	Project Presentations 1	Project Presentations 4
13:00	Lunch	Lunch
14:00	Project Presentations 2	Discussions
15:00	Coffee	Closing Remarks
16:00	Round Tables	Informal discussions discussions
17:00		Open End
18:00	Dinner	
19:00		
20:00	Poster session	

Thursday, 16.03.2023

<i>Fundamental photophysics</i> Presentations 1	10:30 12 min	Interfaces in perovskite solar cells investigated with photoelectron spectroscopy and modelling (Interrogate)
	10:45 24 min	Many-body interactions in two-dimensional halide perovskites: exciton-electron complexes & electron-phonon coupling
	11:15 12 min	Coherent exciton dynamics in lead-free double perovskites
	11:30 24 min	Understanding and suppressing interfacial charge recombination for high performance perovskite solar cells (SURPRISE II)
	12:00 12 min	Spin and recombination dynamics of excitons and carriers in metal halide perovskites
	12:15 18 min	Spatially resolved studies on addressable defects in hybrid organic-inorganic perovskite micro-crystals prepared in the gas phase
<i>Crystals & film formation</i> Presentations 2	14:00 18 min	Electroluminescent perovskite nanocrystals – From tailor-made assemblies to optoelectronic properties
	14:25 12 min	Control of exciton recombination and transfer with tailored material design
	14:40 12 min	Dielectric effects in hybrid perovskites and charge selective trap states
	14:55 12 min	Control over grain size and crystallinity: Role of trap states in perovskites II (Perocryst)
	15:10 12 min	Coupled exp. & theo. Investigation of the process parameters controlling the perovskite structure formation: towards thick defect-free layers

Friday, 17.03.2023

<i>Defects</i> Presentations 3	9:00 12 min	PEROVSKITE DEFECTS: Physics, evolution and Stability
	9:15 12 min	Correlating defect densities with recombination losses in halide-perovskite solar cells (CRE-ACTIVE)
	9:30 12 min	Improving intrinsic stability of perovskite solar cells by additives
	9:45 12 min	Understanding the evolution on structure, ion migration and defect properties during (de)mixing of lead-halide perovskites (DE-MIX)
	10:00 12 min	Perovskite thin film solar cells from multi-stage dry reactions
<i>Mixed Compositions</i> Presentations 4	10:15 12: min	Hybrid multi-junction solar cells based on a monolithic integration of a wide-bandgap organo-metal-halide perovskite and low-bandgap organic polymer sub-cells (MUJUPO2)
	11:00 24 min	Highly efficient all-perovskite tandem solar cells with reduced recombination losses and improved stability by innovative characterization (HIPSTER-PRO)
	11:30 18 min	Interfaces in all-perovskite tandem solar cells
<i>Stacks & Interfaces</i>	11:52 12 min	Two-dimensional perovskites – from fundamental understanding to their application at interfaces in perovskite solar cells
	12:07 18 min	Perovskite solar cells with graphite electrodes: advanced interfaces for highest performance and stability (PEROGAIN)