

Agenda KSOP Summer School 2022

Thursday, September 29

Time	Talk	Speaker	Institution
8:00 - 8:45	Registration & Coffee Welcome		
9:00 - 9:15	Welcome	Prof. Dr. Uli Lemmer	KIT
9:15 - 11:00	Plenary Talk: Nonlinear and Electro-Optic Metal-Oxides for Sensing and Telecom Devices Master Class: Bottom-up assembly of random polycrystals for active metasurfaces	Prof. Dr. Rachel Grange	ETH Zurich, Department of Physics, Institute for Quantum Electronics, Optical Nanomaterial Group
11:00 - 12:00	Poster session for Research Area Photonic Materials & Devices, Quantum Optics & Spectroscopy and Biomedical Photonics + Coffee Break		
12:15 - 13:30	Lunch		
13:30 - 15:15	Plenary Talk: Photonic Quantum Technologies Master Class: Enhanced Quantum-Light-Matter Interaction Using Confinement in Photonic Micro- and Nanostructures	Prof. Dr. Oliver Benson	Humboldt-Universität zu Berlin
15:15 - 15:30	Coffee Break		
15:30 - 17:15	Hiking Tour in the Black Forest		
17:30 - 19:15	Plenary talk: Controlling the physics of cellular organisation Master Class: A light touch: optical induction & detection of (sub) nano-scale flow displacements	Dr. Moritz Kreysing	Max Planck Institute of Molecular Cell Biology and Genetics (MPI-CBG)
~19:15	Dinner/BBQ		

Friday, September 30

Time	Talk	Speaker	Institution
9:15 - 11:00	Plenary Talk: Optical Sensing for Motion Prediction in Robotics Master Class: Action Recognition with Graph-Neural-Networks	Prof. Dr.-Ing. Thao Dang	HS Esslingen
11:00 - 12:00	Poster Session Optical Systems and Solar Energy + Coffee Break		
12:15 - 13:30	Lunch		
13:30 - 15:30	Plenary Talk: Micro-concentrator photovoltaic technology for low cost, low carbon solar electricity Master Class: Design and characterization of concentrator optics tailored to tandem solar cell requirements	Dr. César Domínguez	Universidad Politécnica de Madrid
15:30 - 15:45	Farewell		