Karlsruhe Institute of Technology

KSOP
Karlsruhe School of Optics & Photonics

Agenda KSOP-QMat Summer School 2020

Thursday, September 3

Time	Speaker	Talk	Institution
8:00 - 8:40		Registration & Coffee Welcome	
8:45 - 9:00		Welcome	KIT
9:00 - 10:00	Prof. Dr. Alexander Szameit	Topological Photonics	University of Rostock
10:05 - 11:05	Prof. Dr. Andrew Forbes	Structured Light from Lasers	University of Witwaters-rand
11:05 - 11:25		Coffee Break & Active Break	
11:25 - 12:10	Prof. Dr. Alexander Szameit	Master Class: Special topics in Topological Photonics: Disorder, non-Hermiticity, and non-linearity	University of Rostock
11:25 - 12:10	Prof. Dr. Andrew Forbes	Master Class: Is there such a thing as Classically Entangled light?	University of Witwaters-rand
12:10 - 13:00		Lunch	
13:00 - 13:45		Poster Session Photonic Materials & Devices | Quantum Optics & Spectroscopy	
13:45 - 14:45	Prof. Dr. Hamid Dehghani	Adventures in Diffuse Optical Imaging	University of Birmingham
14:50 - 15:50	Dr. Miriam Schreiber	Environmental Perception for Autonomous Vehicle: Classic and Deep-Learning Based Methods	Robert Bosch GmbH
15:50 - 16:10		Coffee Break & Active Break	
16:10 - 17:00		Poster Session Biomedical Photonics | Optical Systems	
17:00 - 17:45	Prof. Dr. Hamid Dehghani	Master Class: Computational Algorithms in Spatial Recovery of Functional Maps in Near Infrared Spectroscopic Imaging	University of Birmingham
17:00 - 17:45	Dr. Miriam Schreiber	Master Class: Restricted Automated Driving	Robert Bosch GmbH
19:00 - Open end		Socializing & Fun	

Friday, September 4

Time	Speaker	Talk	Institution
8:30 - 9:00		Log-In & Coffee	
9:00 - 10:00	Prof. Dr. Thomas Kirchartz	Solution Processable Photovoltaics	Forschungszentrum Jülich GmbH Institut für Energie- und Klimaforschung
10:05 - 11:05	Dr. Aurélien Bruyant	Interferometric Detection for Nanoptics and Bio-Sensing	Université de Technologie de Troyes
11:05 - 11:25		Coffee Break & Active Break	
11:25 - 12:25	Dr. Claudia Hössba-cher	Alumni Talk: Commercializing Science - How I Turned from Lab to Business Experiments	Polariton Technologies Ltd.
12:25 - 13:15		Lunch	
13:15 - 14:00		Poster Session Solar Energy	
14:00 - 14:45	Prof. Dr. Thomas Kirchartz	Master Class: Charge Carrier Recombination in Lead-Halide Perovskites	Forschungszentrum Jülich GmbH Institut für Energie- und Klimaforschung
14:00 - 14:45	Dr. Aurélien Bruyant	Master Class: Biosensing through Ellipsometric Surface Plasmon Resonance	Université de Technologie de Troyes
14:45 - 15:05		Voting for Best Poster Award & Best Master Class	
15:15 - 15:30		Awards & Farewell	

Speakers

Prof. Dr. Alexander Szameit

Prof. Dr. Andrew Forbes

Prof. Dr. Hamid Dehghani

Dr. Miriam Schreiber

Prof. Dr. Thomas Kirchartz

Dr. Aurélien Bruyant

Dr. Claudia Hössbacher