

# Agenda KSOP Summer School 2018

## Tuesday, September 4

Time	Speaker	Talk
08:45 am	Uli Lemmer, KIT	Welcome
09:00 am	Susumu Noda	Present State and Future Prospects of Manipulating Photons with Photonic Crystals -Towards Social Application-
10:45 am		Poster Session & Coffee Break
11:15 am	Kurt Busch	Atom-Surface Interaction: Theory and Computations
01:00 pm		Poster Session & Lunch
02:30 pm	Detlef Schooss	Probing Electronic Transitions in Gas Phase: From Principles to Applications
04:15 pm		Poster Session & Coffee Break
04:45 pm	Knut Asmis	Talk 1: Introduction to Vibrational Spectroscopy Talk 2: Cryogenic Ion Vibrational Spectroscopy: More than a Structural Characterization Tool for Gas Phase Clusters
06:30 pm	David M. Giltner	Genuine Networking
~ 7:30 pm		Dinner/ BBQ

## Speakers



Susumu Noda  
*Kyoto University, Kyoto, Japan*



Kurt Busch  
*Humboldt University, Berlin, Germany*



Detlef Schooss  
*KIT, Karlsruhe, Germany*



Knut Asmis  
*University Leipzig, Leipzig, Germany*



David M. Giltner  
*Turning Science*

## Wednesday, September 5

Time	Speaker	Talk
09:00 am	Oliver Pink	How Self-Driving Cars See the World
10:45 am		Coffee Break
11:15 am	Dorit Borrmann	Data Structures for Large 3D Point Cloud Processing
01:00 pm		Lunch
02:00 pm	Michael Bach	Imaging in Our Brain – Optical Illusions Neither “Trick the Eye” nor “Fool the Brain”
03:45 pm		Networking Event (Guided Walk in the Black Forest)
~ 07:00 pm		Dinner



Oliver Pink  
*Project Manager Automated Driving  
Robert Bosch GmbH*



Dorit Borrmann  
*Julius-Maximilian University, Würzburg, Germany*



Michael Bach  
*Albert-Ludwigs-University, Freiburg, Germany*

## Thursday, September 6

Time	Speaker	Talk
09:00 am	Jean-Karim Hériché	Microscopy-Based Quantitative Analysis of Cellular Processes
10:45 am		Poster Session & Coffee Break
11:15 am	Peter Bermel	Light Management for Photovoltaic and Solar Thermal Applications
01:00 pm		Lunch
02:00 pm	Wolfgang Tress	Working Principle of Perovskite Solar Cells
03:45 pm		Farewell



Jean-Karim Hériché  
*EMBL Heidelberg, Germany*



Peter Bermel  
*Purdue University, West Lafayette, Indiana, USA*



Wolfgang Tress  
*EPF Lausanne, Switzerland*