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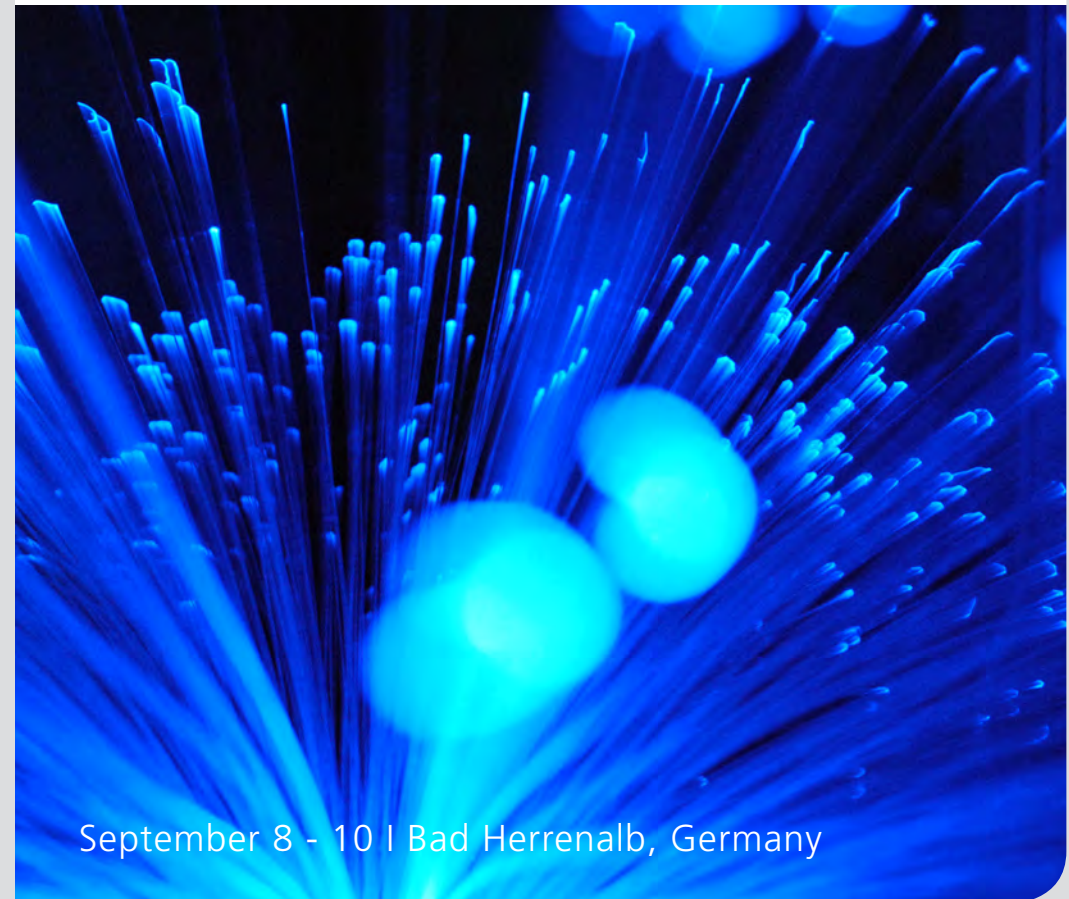
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KSOP Coordinator: Prof. Dr. Uli Lemmer



KSOP Summer School on Optical Technologies



September 8 - 10 | Bad Herrenalb, Germany

Welcome

At the KSOP Summer School international leading experts will give an overview on the latest research findings in regard to Optics & Photonics. Learn about innovative research approaches, develop new ideas, and lead fruitful discussions. The Karlsruhe School of Optics & Photonics invites you to explore the fascinating world of Optics & Photonics!

Speakers



Andreas Bett
Fraunhofer Institut für Solare
Energiesysteme (ISE)
RA V: Solar Energy



Stefan Gehrig
Daimler AG
RA IV: Optical Systems



Harald Giessen
Universität Stuttgart
RA I: Photonic Materials & Devices



Stephan Haacke
Université de Strasbourg
RA II: Advanced Spectroscopy



Bruce Horwitz
TechRoadmap Inc.



Jan Huisken
MPI of Molecular Cell Biology and
Genetics
RA III: Biomedical Photonics



Tobias Kippenberg
École Polytechnique Fédérale de
Lausanne (EPFL)
RA IV: Optical Systems



Markus Sauer
Julius-Maximilian-Universität
Würzburg
RA III: Biomedical Photonics



Ekaterina Shamonina
University of Oxford
RA I: Photonic Materials & Devices



Jörg Wrachtrup
Universität Stuttgart
RA I: Advanced Spectroscopy

Monday, September 8

Time	Speaker	Talk
08:45 am	Heinz Kalt	Welcome
09:00 am	Tobias Kippenberg	Mechanical systems in the quantum regime: Cavity optomechanics
10:45 am		Coffee break
11:15 am	Ekaterina Shamonina	Metamaterials with interacting "meta-atoms": Fundamentals and applications
01:00 pm		Lunch
02:30 pm	Jörg Wrachtrup	Quantum optics with a spin
04:15 pm		Coffee break
04:45 pm	Bruce Horwitz	Intellectual property: What it is and how it affects your activities
~ 06:00 pm		Dinner

Tuesday, September 9

Time	Speaker	Talk
09:00 am	Harald Giessen	Complex plasmonics
10:45 am		Poster session + coffee break
12:30 pm		Lunch
02:00 pm	Stephan Haacke	Ultrafast processes in organic nanostructures and materials designed for photovoltaic applications
03:45 pm		Coffee break
04:15 pm	Stefan Gehrig	Stereo vision for driver assistance and autonomous driving
~ 06:00 pm		Dinner

Wednesday, September 10

Time	Speaker	Talk
09:00 am	Andreas Bett	Highly efficient multijunction solar cells
10:45 am		Coffee break
11:15 am	Markus Sauer	Eight years of single-molecule localization microscopy: from concepts to biological impact
01:00 pm		Lunch
02:00 pm	Jan Huisken	Ten years of fluorescence light sheet microscopy
03:45 pm		Farewell