Karlsruhe Institute of Technology

Universität Karlsruhe (TH)
Forschungsuniversität • gegründet 1825

KSOP
Karlsruhe School of Optics & Photonics

Scientific Program: KSOP Summer School 2008

Time	Wednesday, August 20
9.00 a.m.	Welcome to the KSOP Summer School 2008
	Research Area IV: Optical Systems
9.15 a.m.	Multidimensional fluorescence imaging - *Prof. Dr. Paul French, Imperial College London, Department of Physics*
10.15 a.m.	Optofluidic Lasers - *Dr. Anders Kristensen, Technical University of Denmark, Department of Micro and Nanotechnology*
10.45 a.m.	Coffee Break
11.15 a.m.	Optical data storage systems for Terabyte capacities - *Prof. Dr. Susanna Orlic, Techn. Universität Berlin, Institute of Optics*
11.45 a.m.	Lunch
	Research Area III: Biomedical Photonics
1.30 p.m.	Gaining control over neural activity: Illuminating lessons from the Caenorhabditis elegans nervous system - *Prof. Dr. Alexander Gottschalk, Johann-Wolfgang-Goethe Universität, Institute of Biochemistry*
2.30 p.m.	Controlling the Flow of Colour: Photonics in Biological Systems - *Prof. Dr. Peter Vukusic, Univ. of Exeter, School of Physics*
3.30 p.m.	Coffee Break
4.00 p.m.	Chronic Imaging of Neuronal Structure and Function in the Mammalian Brain - *Prof. Dr. Mark Hübener, Max-Planck Institute of Neurobiology, Department of Cellular and Systems Neurobiology*
4.30 p.m.	BioPhotonics Workstation: science and applications - *Prof. Dr. Jesper Glückstad, Technical University of Denmark, DTU Fotonik, Dept. Photonics Engineering*
5.00 p.m.	Poster Session
6.30 p.m.	Social Event
Time	**Thursday, August 21**
starting 7.45 a.m.	Breakfast
	Research Area II: Advanced Spectroscopy
9.00 a.m.	Physics and chemistry of high-speed imaging techniques for reactive flow research - *Prof. Dr. Volker Sick, The University of Michigan, Department of Mechanical Engineering*
10.00 a.m.	Poster Session
11.00 a.m.	Microscopic kinetics of capture, relaxation and recombination in semiconductors: nm-spatially- and ps-time-resolved cathodoluminescence spectroscopy - *Prof. Dr. Jürgen Christen, Otto-von-Guericke-Univ., Institute of Exp. Physics*
11.30 a.m.	Spectroscopy of Quantum Dots: Optics & Transport - *Prof. Dr. Rolf Haug, Universität Hannover, Institute for Solid State Physics*
12.00 a.m.	Lunch
	Research Area I: Photonic Materials & Devices
1.30 p.m.	Negative index materials: New Frontiers in Optics - *Prof. Dr. Costas Soukoulis, Iowa State University, Physics Department*
2.30 p.m.	Metamaterials: Near Field Imaging - Prof. *Dr. Ekaterina Shamonina, Universität Erlangen-Nürnberg, Graduate School in Advanced Optical Technologies*
3.00 p.m.	Coffee Break
3.30 p.m.	Cavity Nano-Optomechanics: applications of optical forces within nanophotonic structures - *Dr. Oskar Painter, California Institute of Technology, Applied Physics*
4.00 p.m.	Disorder in Photonic Crystals - *Dr. Christof Aegerter, Universität Konstanz, Department of Physics*
4.30 p.m.	Farewell
5.00 p.m.	End of KSOP Summer School 2008

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More Information: www.ksop.de