

TUESDAY // SEPTEMBER 3rd			
06:00 pm - 09:00 pm	Registration & Get Together, Friedrich Schiller University, Carl-Zeiss-Str. 3		
WEDNESDAY // SEPTEMBER 4th			
09:00 am - 09:30 am	Opening	Juergen Popp (Leibniz IPHT) & Peter Vogt (Coherent)	
09:30 am - 11:00 am	Session 1 // Chair: Peter Vogt (Coherent)		
09:30 - 10:00	Wei Min	Columbia University, New York, USA	<u>Stimulated Raman scattering microscopy for biomedical imaging</u>
10:00 - 10:30	Francesco Pavone	European Laboratory for Non Linear Spectroscopy (LENS), Sesto Fiorentino, Italy	<u>Large area functional and structural non linear brain imaging</u>
10:30 - 11:00	Christian Spielmann	Friedrich Schiller University Jena, Germany	<u>Toward lensless imaging of biological samples with table-top XUV sources</u>
11:00 am - 11:30 am	Coffee Break		
11:30 am - 01:00 pm	Session 2 // Chair: Michael Schmitt (Friedrich Schiller University)		
11:30 - 12:00	Hervé Rigneault	Institut Fresnel, Marseille, France	<u>Multiphoton Imaging Endoscopy</u>
12:00 - 12:30	Jens Limpert	Friedrich Schiller University Jena, Germany	<u>Ultrafast Fiber Lasers for Applications in Biophotonics</u>
12:30 - 01:00	Maria Chernysheva	Leibniz Institute of Photonic Technology, Jena, Germany	<u>Tailoring performance of ultrafast fibre lasers for applications in surgery and diagnostics</u>
01:00 pm - 02:00 pm	Lunch Break		
02:00 pm - 04:00 pm	Session 3 // Chair: Maria Chernysheva (Leibniz IPHT)		
02:00 - 02:30	Ferenc Krausz & Mihaela Zigman	Max Planck Institute of Quantum Optics, Garching, Germany	<u>ATTOSECOND SCIENCE From Basic Research to Cancer Detection</u>
02:30 - 03:00	Stefan Witte	Vrije Universiteit, Amsterdam, The Netherlands	<u>Spectroscopic lensless imaging: from visible to soft-X-ray wavelengths</u>
03:00 - 03:30	Daniele Brida	University of Luxembourg, Luxembourg	<u>Ultrafast Er:fiber lasers and new routes to microscopy and spectroscopy</u>
03:30 - 04:00	Marco Arrigoni	Coherent, Inc., Santa Clara, USA	<u>Bridging the Technology and Application Gap Between TiS and Yb Ultrafast Amplifiers</u>
04:00 pm - 04:30 pm	Coffee Break		
04:30 pm - 06:00 pm	Session 4 // Chair: Matthias Jäger (Leibniz IPHT)		
04.30 - 05:00	Mischa Bonn	Max Planck Institute for Polymer Research, Mainz Germany	<u>Quantitative Coherent Anti-Stokes Raman Scattering Microspectroscopy</u>
05:00 - 05:30	Gert-Jan Bakker	Radboud University Medical Center, Nijmegen, The Netherlands	<u>Deep 2-, 3-, and 4-photon microscopy in skin tumor models with excitation in the 1700 nm spectral window</u>
05:30 - 05:45	Ingo Rimke	APE Berlin, Germany	<u>Light sources for coherent Raman and infrared microscopy</u>
05:45 - 06:00	Karsten König	Saarland University, Saarbruecken, Germany	<u>Translation of Two-Photon Microscopy to the Clinic: In Vivo Multiphoton CARS Tomography of Patients with Skin Disorders</u>
06:00 pm - 08:00 pm	Poster Session		
THURSDAY // SEPTEMBER 5th			
09:00 am - 10:00 am	Plenary Lecture // Chair: Jürgen Popp (Leibniz IPHT)		
	Stefan Hell	Max Planck Institute for Biophysical Chemistry, Göttingen, Germany	<u>MINFLUX Nanoscopy: Superresolution post Nobel</u>
10:00 am - 10:30 am	Coffee Break		
10:30 am - 12:30 pm	Session 5 // Chair: Jer-Shing Huang (Leibniz IPHT)		
10:30 - 11:00	Marc Vrakking	Max Born Institute for Nonlinear Optics and Short Pulse Spectroscopy, Berlin, Germany	<u>Attosecond Science: Past, Present and Future</u>
11:00 - 11:30	Elisabet Romero	Institute of Chemical Research of Catalonia, Tarragona, Spain	<u>Two-Dimensional Electronic Spectroscopy: a Tool to Unravel Quantum Coherence</u>
11:30 - 12:00	Gerhard G. Paulus	Friedrich Schiller University Jena, Germany	<u>XUV coherence tomography for cross-sectional nanoscale imaging</u>
12:00 - 12:15	Luisa Hofmann	Class 5 Photonics, Hamburg, Germany	<u>High-power synchronized dual-channel laser enabling fast 2- and 3-photon in vivo brain imaging</u>
12:15 - 12:30	Sebastian Rémi	Teledyne Princeton Instruments, Acton, USA	<u>Novel CCD technologies in ultra fast spectroscopy, application in ultra-multiplex CARS spectroscopic imaging</u>
12:30 pm - 01:30 pm	Lunch Break		
01:30 pm - 03:00 pm	Session 6 // Chair: Ute Neugebauer (University Hospital Jena)		
01:30 - 02:00	Gabriele Bixel	Max Planck Institute for Molecular Biomedicine, Münster, Germany	<u>Intravital multiphoton imaging of cellular dynamics in the bone marrow microenvironment</u>
02:00 - 02:30	Peter Hamm	University of Zurich, Switzerland	<u>A Nonequilibrium Approach to Allosteric Communication</u>
02:30 - 02:45	Darryl McCoy	PLM Research Laser Systems Coherent, Glasgow, Scotland	<u>Ultrafast Lasers for Lifesciences</u>
02:45 - 03:00	Rosa Romero	Sphere Ultrafast Photonics, Porto, Portugal	<u>Harnessing the full potential of few-cycle pulses for improved biomedical imaging with the d-scan technique</u>
03:00 pm - 03:30 pm	Coffee Break		
03:30 pm - 05:00 pm	Session 7 // Chair: Marco Arrigoni (Coherent)		
03:30 - 04:00	Marloes Groot	Vrije Universiteit, Amsterdam, The Netherlands	<u>Instant pathology with higher harmonic generation</u>
04:00 - 04:30	Fabio Novelli	Ruhr University Bochum, Germany	<u>Transient Anisotropy of Liquid Water</u>
04:30 - 05:00	Tom Oliver	University of Bristol, United Kingdom	<u>Photoprotection in crop species and iridescent plants</u>
07:00 pm - 10:00 pm	Conference Dinner	Volksbad Jena, Knebelstr. 10	
FRIDAY // SEPTEMBER 6th			
09:00 am - 10:30 am	Session 8 // Chair: Darryl McCoy (Coherent)		
09:00 - 09:30	Gregor Knopp	Paul Scherrer Institute, Villigen, Switzerland	<u>A Swiss Army Knife for ultrafast time-resolved X-ray experiments: First Biology experiments at the SwissFEL</u>
09:30 - 10:00	Maria Wächtler	Leibniz Institute of Photonic Technology, Jena, Germany	<u>Charge-carrier dynamics in semiconductor/metal hybrid nanostructures for light-driven catalysis</u>
10:00 - 10:15	Michael Schmitt	Friedrich Schiller University Jena, Germany	<u>Diagnosis, therapy and therapy monitoring by nonlinear multimodal spectroscopic imaging</u>
10:15 - 10:30	Klaus Gerwert	Ruhr University Bochum, Germany	<u>Ultra fast lasers used in CARS microscopy resolve unexpected lipid distribution beside proteins in Lewy bodies of Parkinson's patient brain tissue</u>
10:30 am - 11:00 am	Coffee Break		
11:00 am - 12:30 pm	Session 9 // Chair: Maria Wächtler (Leibniz IPHT)		
11:00 - 11:30	Jochen Küpper	Center for Free-Electron Laser Science, Hamburg, Germany	<u>Controlled molecules and nanoparticles</u>
11:30 - 12:00	Bettina Weigelin	Eberhard Karls University of Tübingen, Germany	<u>Intravital multiphoton and higher harmonic generation microscopy for visualizing tumor invasion and immunotherapy</u>
12:00 - 12:15	Tino Eidam	Active Fiber Systems, Jena, Germany	<u>Fiber-laser driven imaging and spectroscopy applications</u>
12:15 - 12:30	Siva Umopathy	Indian Institute of Science, Bangalore, India	<u>State to State excitation and structural conformational dynamics using Ultrafast Raman Spectroscopy</u>
12:30 pm - 12:45 pm	Closing Remarks	Juergen Popp (Leibniz IPHT) & Peter Vogt (Coherent)	