The 1st Germany-China Young Scientist Symposium on Ultrafast Light Sources and Spectroscopy Applications

June 24		
7:00-8:00	Breakfast at DESY Cafeteria, bldg. 9	
8:00-8:10	Welcome	
Ultrafast Light Sources I	**Presider: Tiago Buckup (University of Heidelberg)**	
8:10-8:50	Franz X. Kärtner (Keynote speaker, CFEL)	Ultrafast optics for free-electron laser science
8:50-9:15	Shaobo Fang (CFEL)	high-energy pulse synthesis of optical parametric amplifiers
9:15-9:40	Stefan Rausch (VENETEON Laser Technologies GmbH)	High repetition rate OPCPA system providing CEP-stable few-cycle pulses
9:40-10:05	Christian Kränkel (University of Hamburg)	High power modelocked and continuous wave thin disk lasers
10:05-10:40	Coffee Break	
Spectroscopy applications I	**Presider: Xiaoyong Wang (Nanjing University)**	
10:40-11:05	Dan Fu (Harvard University)	Seeing is believing: Label free chemical imaging with stimulated Raman scattering microscopy
11:05-11:30	Tiago Buckup (University of Heidelberg)	Resonant 2D Raman spectroscopy
11:30-11:55	Kebin Shi (Peking University)	Nonlinear spectroscopy and imaging based on vibrational resonance
11:55-12:20	Chuanshan Tian (Fudan University)	Studies of Hydrophobic Organic Molecules at Water Interfaces Using Phase-Sensitive Sum Frequency Vibrational Spectroscopy
12:20-14:00	Lunch at DESY Bistro, bldg. 9a	
Ultrafast Light Sources II	**Presider: Thomas Zentgraf (University of Paderborn)**	
14:00-14:25	Thomas Zentgraf (University of Paderborn)	Plasmon Lasers: Delivering Light to the Nanoscale
14:25-14:50	Arya Fallahi (CFEL)	Compact terahertz-laser-driven electron acceleration and bunch compression toward table-top coherent x-ray sources
14:50-15:15	Xinkui He (Institute of Physics, Chinese Academy of Sciences)	High-order harmonics from sub-5fs intense laser pulse.
15:15-15:40	Damian Schimpf (CFEL)	Bessel-Gauss beams in enhancement cavities
15:40-16:05	German Sciaini (Max Planck Institute for Structure and Dynamics of Matter)	Ultrabright femtosecond electron sources: exploring ultrafast structural phenomena in labile organic materials and biological systems
16:05-16:30	Coffee Break	
18:00	Symposium reception on Ship „Concordia“, Elbe cruise and dinner buffet	

June 25		
7:00-8:00	Breakfast at DESY Cafeteria, bldg. 9	
Ultrafast Light Sources III	**Presider: Sangam Chatterjee (Philipps-Universität Marburg)**	
8:00-8:40	Zhigang Zhang (Keynote speaker, Peking University)	Ultrafast Laser research at Peking University
8:40-9:05	Axel Ruehl (CFEL)	Low-noise fiber-based frequency combs
9:05-9:30	Aimin Wang (Peking University)	High repetititon rate Yb:fiber laser frequency combs
9:30-9:55	Guoqing Chang (CFEL)	Laser frequency combs for astronomical spectrograph calibration
9:55-10:20	Michelle Sander (Boston Univ.)	GHz Er-doped Femtosecond Photonics
10:20-10:50	Coffee Break	

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Spectroscopy applications II Presider: Shuyun Zhou (Tsinghua University)		
10:50-11:15	Daniele Brida (University of Konstanz)	Spectroscopy with ultrashort pulses: ultrafast electron dynamics
11:15-11:40	Dong Sun (Peking University)	Study of electronic properties of epitaxial Graphene using coherent controlled photocurrent injection
11:40-12:05	Yan Yin (Institute of Physics, Chinese Academy of Sciences)	Graphene devices under high bias: the effects of the temperature, back gating, and surface adsorbate
12:05-12:30	Jimin Zhao (Institute of Physics, Chinese Academy of Sciences)	Purely coherent nonlinear optical response from graphene sheets: spatial self-phase modulation
12:30-14:00	Lunch at DESY Bistro, bldg. 9a	
Spectroscopy applications III Presider: Dmitry Turchinovich (Max Planck Institute for Polymer Research)		
14:00-14:25	Uwe Petzold (Technische Universität Darmstadt)	Characterization and application of nonlinear optical 3D microscopy
14:25-14:50	Christian Ott (Max-Planck-Institut für Kernphysik Heidelberg)	Time-resolved Two- and Multi-Dimensional Spectroscopy of Coupled Electron Dynamics with Extreme Ultraviolet (XUV) Light
14:50-15:15	Zefeng Ren (Peking University)	Photocatalysis of Methanol on TiO_2 (110) surfaces
15:15-15:40	Shuyun Zhou (Tsinghua University)	Melting and recovery dynamics of spin, orbital and charge orderings across the insulator-metal transition in manganites revealed by ultrafast time-resolved resonant X-ray scattering
15:40-16:05	Nils Huse (University of Hamburg)	Time-resolved spectroscopy in the X-ray water window: unique opportunities for probing aqueous chemistry
16:05-16:30	Coffee break	
16:30-18:30	Lab tour PETRA III and FLASH	
19:00	Dinner at „Historischer Speicherboden“, Kehrwieder 2-3, Block D, 20457 Hamburg	

June 26		
7:00-8:00	Breakfast at DESY Cafeteria, bldg. 9	
Spectroscopy applications IV Presider: Jimin Zhao (Institute of Physics, Chinese Academy of Sciences)		
8:00-8:25	Peter Hommelhoff (Max-Planck-Institut für Quantenoptik)	From attosecond physics at nanoscale tips to photonics-based direct laser acceleration of electrons
8:25-8:50	Kai Wang (Huazhong University of Science and Technology)	Laterally emitted surface second harmonic generation in a single ZnTe nanowire
8:50-9:15	Xingcan Dai (Tsinghua University)	Two-dimensional Fourier-transform spectroscopy of potassium vapor and nanostructures
9:15-9:40	Fenglin Wang (CFEL)	Brief overview of recent progresses in coherent diffraction imaging
9:40-10:10	Coffee break	
Spectroscopy applications V Presider: Alexej Pashkin (University of Konstanz)		
10:10-10:35	Dmitry Turchinovich (Max Planck Institute for Polymer Research)	Terahertz nonlinear optics
10:35-11:00	Alexej Pashkin (University of Konstanz)	Generation of high-field multi-THz pulses and their application for nonlinear spectroscopy of semiconductors
11:00-11:25	Sangam Chatterjee (Philipps-Universität Marburg)	Manipulation of excitons using strong THz pulses
11:25-11:50	Xiaoyong Wang (Nanjing University)	Multiple exciton generation and energy transfer in semiconductor nanocrystals
11:50-12:15	Jun Wang (Shanghai Institute of Optics and Fine Mechanics, Chinese Academy of Sciences)	Ultrafast nonlinear optical properties of two dimensional nano-crystals
12:15-12:20	Ending remarks	
12:20-14:00	Lunch at DESY Bistro, bldg. 9a	

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