

13th Ringberg Workshop on Science with FELs

<u>Sunday, February 11th, 2024</u>		
> 15:00	<i>Coffee, cake, Garden room</i>	
Chair: Makina Yabashi		
16:20	Ilme Schlichting	Welcome
16:30	Axel Brachmann	LCLS Accelerator and FEL Update
17:00	Zhentang Zhao	Status of the SHINE Project
17:30	Svitozar Serkez	Demonstration of sub-femtosecond pulses at the European XFEL
18:00	Diling Zhou	Crystal optics for next generation x-ray sources
18:30	<i>Dinner</i>	
<u>Monday, February 12th, 2024</u>		
Chair: Alice Green		
9:00	Taran Driver	Tracking Attosecond Electron Dynamics at the LCLS
9:30	Carlo Callegari	Nonlinear experiments with trains of phase-locked FEL harmonics
10:00	Christian Ott	Recent results on omega-2omega coherent control with SASE FEL pulses
10:30	<i>Coffee break</i>	
Chair: Camila Bacellar		
11:00	Thomas Barends	Influence of Illumination Conditions on Myoglobin in TR-SFX-experiments
11:30	Raphael Jay	Orbital interactions in bond activation: Insights from ultrafast X-ray spectroscopy
12:00	Roseanne Sension	Visualizing Ultrafast Excited State Structural and Electronic Dynamics with XFELs
12:30	<i>Group photo (depending on weather)</i>	
12:40	<i>Lunch</i>	

Chair: Adi Natan		
14:00	Jumpei Yamada	Ultra-intense hard X-ray FEL with sub-10 nm focusing
14:30	Ralf Röhlsberger	New regimes of nuclear resonance excitation with X-ray laser radiation
15:00	Erik Nibbering	Ultrafast proton transfer in acid-base chemistry
15:30	<i>Coffee break</i>	
Chair: Marco Cammarata		
16:00	Matthias Ihme	Probing non-equilibrium dynamical response of supercritical water using ultrafast X-ray probe/X-ray pump measurement
16:30	Minna Patanen	Single particle imaging of sea spray aerosol particles
17:00	Tim van Driel	Impulsive Nuclear Raman and X-ray Scattering - Ultrafast structure and dynamics in liquids
17:30	Shuai Wei	Femtosecond atomic-scale X-ray photon-correlation spectroscopy enables direct probing of relaxation dynamics in fragile liquid
18:00	<i>Tour of the castle</i>	
18:45	<i>Dinner</i>	
Chairs: Markus Gühr, Philippe Wernet		
20:00		Discussion Session: Observing rare events in chemistry
 <u>Tuesday, February 13th, 2024</u> 		
Chair: Malte Oppermann		
9:00	David Ayuso	Ultrafast and highly enantiosensitive imaging and control of molecular chirality
9:30	Markus Scholz	Emergence of chirality in molecular assemblies on surfaces
10:00	Caterina Vozzi	Time-resolved chiral XPS for the investigation of ultrafast chiral dynamics
10:30	<i>Coffee break</i>	

Chair: Chris Milne		
11:00	Erik Malm	Single-shot multi-wavelength coherent diffractive imaging with a free electron laser
11:30	Alexander Rack	Studying dynamic processes at ESRF beamline ID19 with ultra-high speed radiography: from kHz to MHz
12:00	Kartik Ayyer	Serial diffractive imaging to visualize ultrafast dynamics in nanoscale systems
12:30	<i>Lunch</i>	
14:00	<i>Discussion rounds / Hiking</i>	
18:30	<i>Conference Dinner</i>	
Chair: Mengning Liang		
20:30	Henry Chapman	Convergent-beam serial crystallography - a path to attosecond imaging
<u>Wednesday, February 14th, 2024</u>		
Chair: Rebecca Boll		
9:00	Sae Hwan Chun	4D Visualization of a Nonthermal Coherent Magnon in a Laser Heated Lattice by an X-ray Free Electron Laser
9:30	Mariano Trigo	Nonlinear couplings among collective modes in quantum materials
10:00	Alfred Zong	Exploring coupled degrees of freedom in quantum materials through ultrafast dynamics
10:30	David Reis	Imaging strongly-driven attosecond electron motion in solids
11:15 End of meeting, lunch packages if desired		