

		<b>Monday 9/12</b>
	08:30	Registration
	09:15	Welcome
<b>Session 1</b>	09:30	<b>Molecular dynamics</b>
	09:30	<b>Viewing electrons at work in solar energy conversion</b> • Villy Sundström   Lund University
	10:00	<b>Biological X-ray spectroscopy combined with crystallography at XFEL</b> • Junko Yano   LBNL
	10:30	Using coherent diffractive imaging techniques to improve the resolution from "poorly diffracting" crystals • Kartik Ayyer   DESY
	10:50	Coffee break
	11:20	Ultrafast surface chemistry and catalysis probed with optical and x-ray lasers • Henrik Öström   U Stockholm
	11:40	Opportunities with ultra-sensitive soft X-ray detection • Dennis Nordlund   SLAC
	12:00	Potentials and limitations of probe-before-destroy soft x-ray spectroscopy on dilute metallo-proteins metal complexes • Markus Kubin   HZB
<b>Session 2</b>	12:30	Lunchtime snacks on-site
	13:30	<b>Quantum materials</b>
	13:30	Ultrafast spin dynamics and its signature in the electronic structure • Martin Weinelt   FUB
	13:50	Watching spins move • Stefan Eisebitt   TUB
	14:10	fs-dynamics in ferroic materials probed with time-resolved X-ray techniques • Matteo Savoini   ETH Zürich
	14:30	Nanoscale dynamics in complex high temperature superconductors • Alessandro Ricci   DESY
	14:50	Coffee break
	15:20	<b>X-ray streaking of ultrafast processes at X-ray free electron lasers</b> • Jan Lüning   UPMC
	15:50	<b>Ultrafast magnetism: The pathways of angular momentum</b> • Yves Acremann   ETH Zürich
	16:20	Non-equilibrium dynamics of complex materials • Uwe Bovensiepen   U Duisburg-Essen
Social event	18:00	<b>Welcome reception at the TV Tower</b>
		<b>Tuesday 09/13</b>
<b>Session 3</b>	09:30	<b>Molecular dynamics</b>
	09:30	<b>Making and breaking bonds: New insights into catalytic processes using advanced X-ray spectroscopic approaches</b> • Serena DeBeer   MPG CEC
	10:00	Excited state density-functional methods for time-resolved X-ray spectroscopies • Das Pemmaraju   LBNL
	10:20	Transient states of photo-excited polynuclear transition-metal complexes • Nils Huse   U Hamburg
	10:40	Coffee break
	11:10	Ab initio simulations of the pH dependence in RIXS spectra of thiopyridone in aqueous solution • Jesper Norell   U Stockholm
	11:30	<b>Probing electron delocalization dynamics on molecular excited states with femtosecond X-rays</b> • Munira Khalil   U Washington
	12:00	Site-selective RIXS in histidine: effects of protonation • Johannes Niskanen   HZB
	12:30	Lunchtime snacks on-site
<b>Session 4</b>	13:30	<b>Molecular dynamics</b>
	13:30	<b>Disentangling the electronic and nuclear degrees of freedom in molecular dynamics</b> • Marcus Gühr   U Potsdam
	14:00	From micromolecules' to macromolecules' structural dynamics properties • Simone Teichert   DESY
	14:20	Selective gating to vibrational modes through resonant X-ray scattering • Rafael Carvalho Couto   KTH
	14:40	Coffee break
	15:10	<b>Triangulating intersections between electronic excited states with simultaneous ultrafast X-ray scattering and spectroscopy</b> • Kelly Gaffney   SLAC
	15:40	Strongly aligned and oriented molecules for internal dynamics studies • Sebastian Trippel   DESY
	16:00	Photophysics of controlled gas-phase molecules and clusters • Thomas Kierspel   DESY
	16:20	Electron and Exciton Dynamics in Sexithiophene on Au(111) • Cornelius Gahl   FU Berlin
		<b>Wednesday 09/14</b>
<b>Session 5</b>	09:30	<b>X-ray interaction with matter / Quantum materials</b>
	09:30	<b>Relaxation dynamics after deep inner shell excitation of isolated atoms and molecules</b> • Marc Simon   UPMC
	10:00	Sub-picosecond energy transfer from a highly intense and ultrashort THz pulse • Pankaj K. Mishra   DESY
	10:20	Simulations of dynamical effects in core-level spectra in solution • Michael Odelius   U Stockholm
	10:40	Coffee break
	11:10	<b>Photoinduced transient band gap enhancement in the excitonic insulator Ta<sub>2</sub>NiSe<sub>5</sub></b> • Julia Stähler   FHI MPG
	11:40	Expanding material possibilities: Soft X-ray transmission imaging for samples grown on crystalline substrates • Manuel Fohler   HZB
	12:00	Ultrafast x-ray diffraction as a real time probe for energy transfer and phase transition • Alexander von Reppert   U Potsdam
	12:30	Lunchtime snacks on-site
	13:30	Ultrafast and energy-efficient spin manipulation: antiferromagnetism beats ferromagnetism • Nele Thielemann-Kühn   HZB
	13:50	Photo-induced transient magnetic gratings for the study of spin diffusion phenomena • David Weder   TUB
	14:10	Ultrafast Structural Dynamics of the Fe-Pnictide Parent Compound BaFe <sub>2</sub> As <sub>2</sub> • Laurenz Rettig   FHI MPG
Social event	15:00	<b>Explore Berlin -guided tours of the "Neue Museum"</b>
		<b>Thursday 09/15</b>
<b>Session 6</b>	09:30	<b>X-ray interaction with matter</b>
	09:30	<b>X-ray-driven dynamics and extreme states of matter</b> • Robin Santra   DESY - U Hamburg
	10:00	Ultrafast electronic and nuclear dynamics induced by intense XFEL radiation • Kiyoshi Ueda   U Tohoku
	10:20	Coffee break
	10:50	Attosecond interferometry with self-amplified spontaneous emission of a free-electron laser • Tim Laarmann   DESY
	11:10	Single-shot coherent diffractive imaging of isolated nanoparticles with high-harmonic generation XUV pulses • Daniela Rupp   TUB
	11:30	Selective driving of surface catalysis by femtosecond soft X-ray pulses • Simon Schreck   U Stockholm
	12:00	Lunchtime snacks on-site
<b>Session 7</b>	13:00	<b>Quantum materials</b>
	13:00	Entanglement of locally orthogonal quasi-degenerate electronic manifolds at a common Fermi energy - a recipe for high temperature superconductivity? • Itai Panas   U Chalmers
	13:20	Unraveling topological properties of spintronic materials using polarized x-rays • Shawran Mishra   U Amsterdam
	13:40	Resonant x-ray emission spectroscopy with x-ray standing wave excitation • Simo Huotari   U Helsinki
	14:00	Disentangling Lattice and Magnetic Dynamics in Antiferromagnetic EuTe • Daniel Schick   HZB
	14:20	Coffee break
	14:50	Navigating complex reaction landscapes using quantum dynamics as a guide • Adam Kirrander   U Edinburgh
	15:10	Ultra-high resolution RIXS: recent results with synchrotron and perspectives with XFEL sources • Giacomo Ghiringhelli   Politecnico Milano
<b>Postersession</b>	16:00	<b>Poster session with Poster introduction by each presenter</b>
Social event	19:00	<b>Conference dinner at Gendarmerie</b>
		<b>Friday 09/16</b>
<b>Session 8</b>	09:30	<b>Modern X-ray sources / Poster session</b>
	09:30	<b>X-ray free electron lasers - past, present &amp; future</b> • Evgeny Saldin   DESY
	10:00	<b>BESSY VSR - adding advanced timing capabilities to storage rings</b> • Andreas Jankowiak   HZB
	10:30	Coffee break
<b>Session 9</b>	11:00	<b>Nonlinear X-ray interactions with matter</b>
	11:00	<b>FERMI based multi-wave experiments</b> • Claudio Masciovecchio   Elettra
	11:30	Stimulated x-ray emission and inelastic x-ray scattering at XFELs • Nina Rohringer   MPSD
	11:50	Resonant nonlinear effects in soft X-ray absorption spectroscopy with an X-FEL • Daniel Higley   SLAC
	12:10	<b>Nonlinear x-ray wave mixing from x-ray tubes to free electron lasers</b> • Sharon Shwartz   U Bar-Ilan
	13:00	Closing remarks