

Schedule

International conference on dynamic pathways in multidimensional landscapes

Monday 16/09

	08:30	Registration
	09:45	Welcome
Session 1		Molecular dynamics 1
	10:00	Dynamic pathways in multidimensional landscapes at molecule/metal interfaces - <i>Martin Wolf</i>
	10:35	Solving protein structures by enhanced anomalous x-ray diffraction at high-intensity - <i>Henry Chapman</i>
	11:10	Coffee break
	11:30	Real-time observation of surface bond breaking with an x-ray laser - <i>Martina Dell'Angela</i>
	12:05	SACLA: new opportunities for atomic, molecular and cluster science with XFEL - <i>Kiyoshi Ueda</i>
	12:40	Lunchtime snacks on-site
Session 2		Quantum materials 1
	13:45	Polarized photons meet correlated electrons - <i>Bernhard Keimer</i>
	14:20	Ultrafast electron dynamics in the topological insulator compound Bi_2Se_3 - <i>Patrick Kirchmann</i>
	14:55	Coffee break
	15:15	Phase separation in complex oxides: RTiO_3 - <i>Bo Shi</i>
	15:35	Nonmagnetic linear dichroism in fluorescence spectra of cubic solids - <i>Nele Thielemann-Kühn</i>
	15:55	Ultrafast dynamics in antiferromagnetic materials - <i>Christoph Trabant</i>
Social event	17:45	Welcome reception at the TV-tower

Tuesday 17/09

Session 3		Molecular dynamics 2
	09:30	Taking snapshots of photosynthetic water oxidation: towards time-resolved x-ray spectroscopy and crystallography - <i>Vittal Yachandra</i>
	10:05	Reflection zone plates for RIXS and partial fluorescence yield XAS - <i>Jens Rehanek</i>
	10:25	Nuclear and electronic dynamics triggered by photoionization - <i>Oriol Vendrell</i>
	10:50	Coffee break
	11:20	Ab initio simulations of X-rays probing ultra-fast dynamics - <i>Michael Odelius</i>
	11:55	Ultrafast energy transfer to liquid water by short and intense THz pulses - <i>Pankaj K. Mishra</i>
	12:15	Correlated non-adiabatic proton-hole motion after photoionization - <i>Zheng Li</i>
	12:35	Lunchtime snacks on-site
Session 4		Hot topics
	13:30	Controlling the quantum phase of solids with strong THz pulses - <i>Andrea Cavalleri</i>
	14:05	Ab initio view on soft X-ray spectroscopy - <i>Oliver Kühn</i>
	14:40	Measuring electron momenta, electron energy and time using the ArTOF instrument and beamlines at BESSY II - <i>Svante Svensson</i>
	15:15	Coffee break

Wednesday 18/09

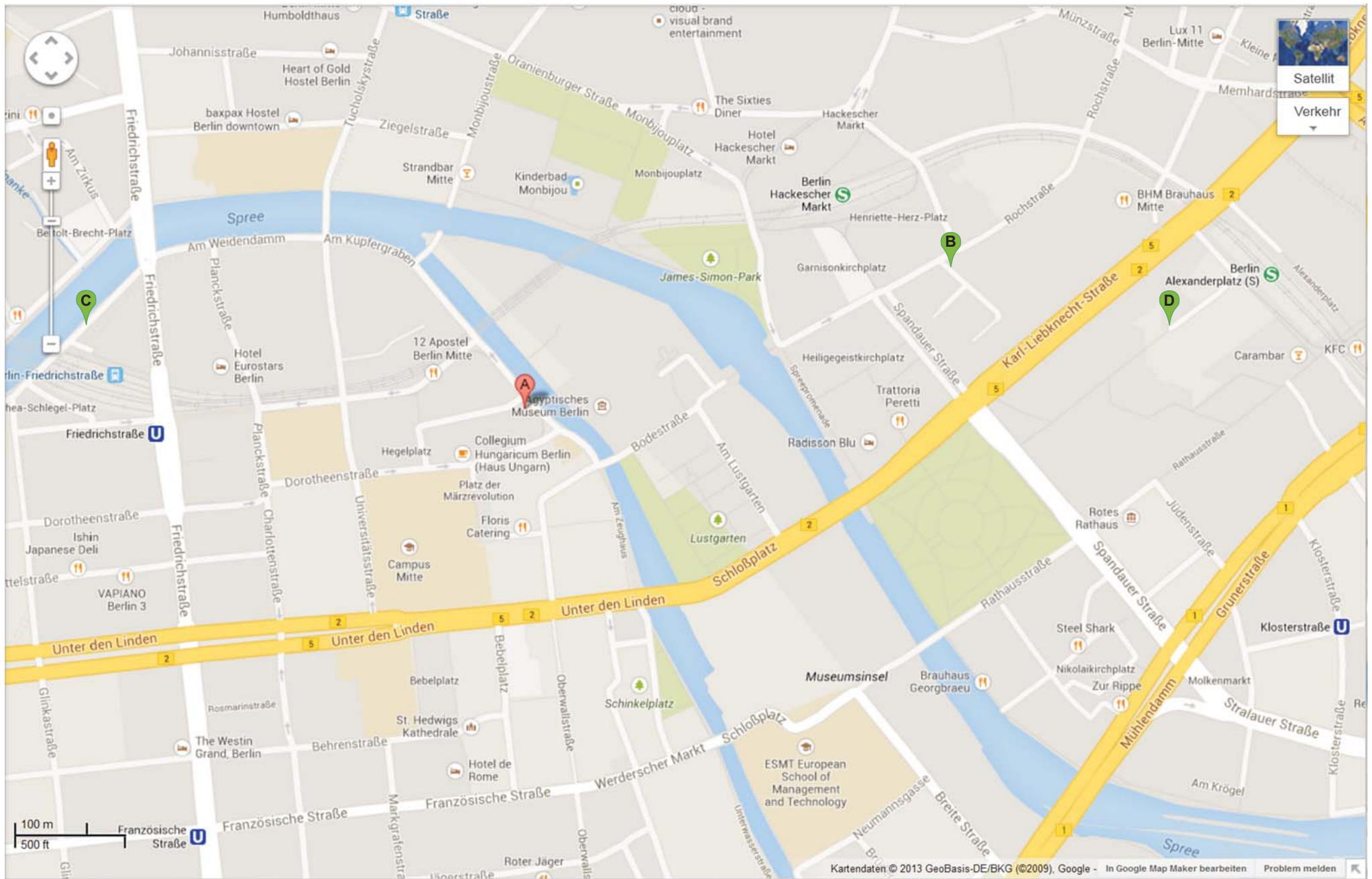
Session 5		Quantum materials 2
	09:30	New directions with coherent diffraction spectroscopy using XFELs - <i>Andreas Scherz</i>
	10:05	Examples of Ultrafast X-ray Diffraction Experiments: Synchrotron vs. Laser-Plasma Sources - <i>Matias Bargheer</i>
	10:30	Coffee break
	10:50	Photoinduced lattice dynamics in BiFeO_3 monitored by femtosecond x-ray diffraction - <i>Daniel Schick</i>
	11:10	Engineering ultrafast magnetism - <i>Ilie Radu</i>
	11:30	Lunch break
	15:00	Making the molecular movie: the chemists'Gedanken Experiment enters the lab frame - <i>Dwayne Miller</i>
Poster session	15:35	Poster introduction, 2 minutes each Presentation at the posters

Thursday 19/09

Session 7		Molecular dynamics 3
	09:30	Ultrafast x-ray and 2-dimensional UV studies of molecular and nanosystems - <i>Majed Chergui</i>
	10:05	Tracking charge and spin dynamics of molecular electronic excited states with x-ray spectroscopy - <i>Kelly Gaffney</i>
	10:40	Femtosecond RIXS of $\text{Fe}(\text{CO})_5$ in ethanol – ultrafast excited state and ligand substitution dynamics in solution - <i>Kristjan Kunnus</i>
	11:00	Coffee break
	11:20	Hydrogen bonds in liquids seen by RIXS - <i>Annette Pietsch</i>
	11:40	Molecular dynamics in small molecules studied by wavelength-selected femtosecond XUV pulses - <i>Oleg Kornilov</i>
	12:00	Controlling the motion of large molecules for the investigation of molecular dynamics - <i>Jochen Küpper</i>
	12:35	Lunchtime snacks on-site
Session 8		Quantum materials 3
	13:30	Femtosecond Control and Dynamics of the Exchange Spin-Spin Interaction - <i>Alexey Kimel</i>
	14:05	Investigating the role of spin-lattice coupling in the ultrafast demagnetization of GdTb alloys - <i>Andrea Eschenlohr</i>
	14:25	Coffee break
	14:45	Ultrafast Magnetization Dynamics of Gadolinium: Towards a Complete Picture - <i>Björn Frietsch</i>
	15:05	Verwey Transition in Magnetite: How fast does an insulator become a metal? - <i>Roopali Kukreja</i>
	15:25	Ultrafast emergence of microscopic spin order in GdFeCo - <i>Catherine Graves</i>
Social event	17:45	Conference dinner on a boat

Friday 20/09

Session 9		X-ray interactions with matter
	09:30	Key differences in the interaction of synchrotron and X-FEL x-rays with matter - <i>Jo Stöhr</i>
	10:05	Quenching of the resonant x-ray magnetic scattering cross section by intense FEL pulses - <i>Bastian Pfau</i>
	10:25	Stimulated X-ray emission in the condensed phase - <i>Martin Beye</i>
	11:00	Coffee break
	11:20	Non-linear effects in x-ray emission of liquid water with ultra-high fluence at LCLS - <i>Simon Schreck</i>
	11:40	Stimulated electronic x-ray raman scattering at XFEL sources - <i>Nina Rohringer</i>
	12:15	Closing remarks



A Magnus Haus, Am Kupfergraben 7, 10117 Berlin

C Shipping pier (Reederei Winkler), Reichstagsufer 18, 10117 Berlin

B Alexander Plaza, Rosenstraße 1, 10178 Berlin

D TV Tower, Panoramastraße 14, 10178 Berlin