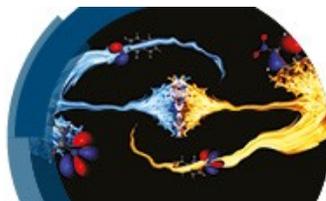


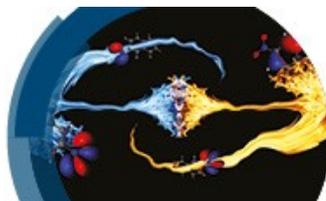
Monday 1 February

11:15	Welcome and Introductions Gopal Dixit and Adam Kirrander, <i>Co-Chairs of Scientific Committee</i>
11:25	Outline of Discussion Format <i>Royal Society of Chemistry Publishing Editors</i>
11:30	Introductory Lecture (Session Chair: Adam Kirrander) Toshinori Suzuki <i>Kyoto University, Japan</i>
12:30	Break
	Session 1: Time-resolved Diffraction (Session Chair: Gopal Dixit)
13:00	Strong-field induced fragmentation and isomerization of toluene probed by ultrafast femtosecond electron diffraction and mass spectrometry Martin Centurion <i>University of Nebraska-Lincoln, USA</i>
13:05	Mapping static core-holes and ringcurrents with X-ray scattering Kenneth Lopata <i>Louisiana State University, USA</i>
13:10	Time-resolved imaging of correlation-driven charge migration in light-induced molecular magnets by x-ray scattering Jean Christophe Tremblay <i>CNRS/Université de Lorraine, LPCT, France</i>
13:15	Discussion
14:30	Break
	Session 1 (continued): Time-resolved Diffraction (Session Chair: Gopal Dixit)
15:00	Determination of excited state molecular structures from time-resolved gas-phase x-ray scattering Peter Weber <i>Brown University, USA</i>
15:05	Resolving multiphoton processes with high-order anisotropy ultrafast X-ray scattering Adi Natan <i>Stanford University, USA</i>
15:10	Ultraintense, ultrashort pulse x-ray scattering in small molecules Linda Young <i>Argonne National Laboratory, USA</i>
15:15	Discussion
16:30	Close of session



Tuesday 2 February

	Session 4: Ultrafast X-ray Science (Session Chair: Adam Kirrander)
11:00	Time-resolved pump-probe spectroscopy with spectral domain ghost imaging <u>Jon Marangos</u> <i>Imperial College London, UK</i>
11:05	Perspectives for analyzing non-linear photo ionization spectra with deep neural networks trained with synthetic Hamilton matrices <u>Jan M Rost</u> <i>Max Planck Institute for the Physics of Complex Systems, Germany</i>
11:10	XUV pump - XUV probe transient-absorption spectroscopy at FELs <u>Thomas Pfeifer</u> <i>Max-Planck-Institut für Kernphysik, Germany</i>
11:15	Discussion
12:30	Break
	Session 2: Time-Resolved Ultrafast Spectroscopy (Session Chair: Russell Minns)
13:00	A Quantum Molecular Movie: Polyad Predissociation Dynamics in the VUV Excited $3p\delta^2\Sigma$ state of NO₂ <u>Albert Stolow</u> <i>University of Ottawa, Canada</i>
13:05	Electronic relaxation of aqueous aminoazobenzenes studied by time-resolved photoelectron spectroscopy and surface hopping TDDFT dynamics calculations <u>Oleg Kornilov</u> <i>Max Born Institute, Germany</i>
13:10	Coincident angle-resolved state-selective EUV photoelectron spectroscopy of acetylene molecules: a candidate system for time-resolved dynamics <u>Sivarama Krishnan</u> <i>Indian Institute of Technology Madras, India</i>
13:15	Discussion
14:30	Break
	Session 2 (continued): Time-Resolved Ultrafast Spectroscopy (Session Chair: Russell Minns)
15:00	Effect of dynamic correlation on the ultrafast relaxation of uracil in the gas phase <u>Spiridoula Matsika</u> <i>Temple University, USA</i>
15:05	Quantum electronic coherences by attosecond transient absorption spectroscopy: ab initio B-spline RCS-ADC <u>Marco Ruberti</u> <i>Imperial College London, UK</i>
15:10	Femtosecond X-ray spectroscopy of haem proteins <u>Majed Chergui</u> <i>Ecole Polytechnique Fédérale de Lausanne, Switzerland</i>
15:15	Discussion
16:30	Poster session

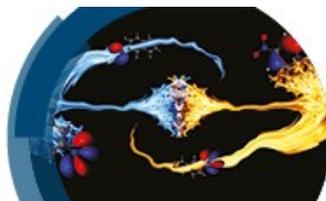


Wednesday 3 February

10:00	Poster session
	Session 3: Strong-Field Physics (Session Chair: Francesca Calegari)
11:00	Molecular fragmentation as a way to reveal early electron dynamics induced by attosecond pulses <u>Alicia Palacios</u> <i>Universidad Autónoma de Madrid, Spain</i>
11:05	Attosecond laser control of photoelectron angular distributions in XUV-induced ionization of H₂ <u>Fernando Martín</u> <i>IMDEA Nanoscience and Universidad Autonoma de Madrid, Spain</i>
11:10	Manipulating twisted electrons in strong field ionization <u>Andrew Maxwell</u> <i>The Institute of Photonic Sciences, Spain</i>
11:15	Discussion
12:30	Break
	Session 3 (continued): Strong-Field Physics (Session Chair: Francesca Calegari)
13:00	Time-resolving the UV-initiated photodissociation dynamics of OCS <u>Jochen Küpper</u> <i>CFEL, DESY and Universität Hamburg, Germany</i>
13:05	Strong-field ionization of polyatomic molecules: ultrafast H atom migration and bond formation in the photodissociation of CH₃OH⁺ <u>Rituparna Das</u> <i>Physical Research Laboratory, India</i>
13:10	Towards novel probes for valence charges via x-ray optical wave mixing <u>Nina Rohringer</u> <i>DESY and Universität Hamburg, Germany</i>
13:15	Discussion
14:30	Break
	Session 4 (continued): Ultrafast X-ray Science (Session Chair: Linda Young)
15:00	Coupled nuclear-electronic decay dynamics of O₂ inner valence excited states revealed by attosecond XUV wave-mixing spectroscopy <u>Daniel Neumark</u> <i>University of California, Berkeley, USA</i>
15:05	Transient Resonant Auger-Meitner Spectra of Photoexcited Thymine <u>Thomas Wolf</u> <i>SLAC National Accelerator Laboratory, USA</i>
15:10	Multi-channel photodissociation and XUV-induced charge transfer dynamics in strong-field-ionized methyl iodide studied with time-resolved recoil-frame covariance imaging <u>Ruaridh Forbes</u> <i>SLAC National Accelerator Laboratory, USA</i>
15:15	Discussion
16:30	Close of session

Time-resolved imaging of photo-induced dynamics

Faraday Discussion



Thursday 4 February

11:00	Concluding Remarks Lecture (Session Chair: Taisia Gorkhover) Mikhail Ivanov <i>Max Born Institute, Germany</i>
11:45	Acknowledgements
12:00	Close of meeting