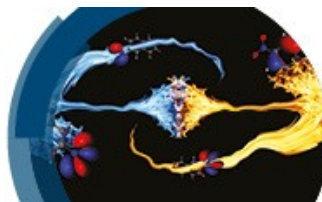


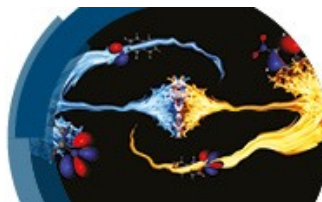
**Monday 1 February**

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



Tuesday 2 February

	<b>Session 4: Ultrafast X-ray Science</b> (Session Chair: Adam Kirrander)
11:00	<b>Time-resolved pump-probe spectroscopy with spectral domain ghost imaging</b> <u>Jon Marangos</u> <i>Imperial College London, UK</i>
11:05	<b>Perspectives for analyzing non-linear photo ionization spectra with deep neural networks trained with synthetic Hamilton matrices</b> <u>Jan M Rost</u> <i>Max Planck Institute for the Physics of Complex Systems, Germany</i>
11:10	<b>XUV pump - XUV probe transient-absorption spectroscopy at FELs</b> <u>Thomas Pfeifer</u> <i>Max-Planck-Institut für Kernphysik, Germany</i>
11:15	Discussion
12:30	Break
	<b>Session 2: Time-Resolved Ultrafast Spectroscopy</b> (Session Chair: Russell Minns)
13:00	<b>A Quantum Molecular Movie: Polyad Predissociation Dynamics in the VUV Excited <math>3p\delta^2\Sigma</math> state of NO<sub>2</sub></b> <u>Albert Stolow</u> <i>University of Ottawa, Canada</i>
13:05	<b>Electronic relaxation of aqueous aminoazobenzenes studied by time-resolved photoelectron spectroscopy and surface hopping TDDFT dynamics calculations</b> <u>Oleg Kornilov</u> <i>Max Born Institute, Germany</i>
13:10	<b>Coincident angle-resolved state-selective EUV photoelectron spectroscopy of acetylene molecules: a candidate system for time-resolved dynamics</b> <u>Sivarama Krishnan</u> <i>Indian Institute of Technology Madras, India</i>
13:15	Discussion
14:30	Break
	<b>Session 2 (continued): Time-Resolved Ultrafast Spectroscopy</b> (Session Chair: Russell Minns)
15:00	<b>Effect of dynamic correlation on the ultrafast relaxation of uracil in the gas phase</b> <u>Spiridoula Matsika</u> <i>Temple University, USA</i>
15:05	<b>Quantum electronic coherences by attosecond transient absorption spectroscopy: ab initio B-spline RCS-ADC</b> <u>Marco Ruberti</u> <i>Imperial College London, UK</i>
15:10	<b>Femtosecond X-ray spectroscopy of haem proteins</b> <u>Majed Chergui</u> <i>Ecole Polytechnique Fédérale de Lausanne, Switzerland</i>
15:15	Discussion
16:30	<b>Poster session</b>

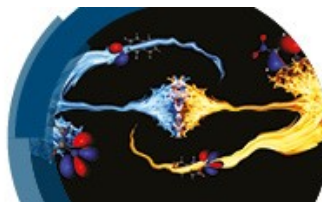


Wednesday 3 February

10:00	<b>Poster session</b>
	<b>Session 3: Strong-Field Physics</b> (Session Chair: Francesca Calegari)
11:00	<b>Molecular fragmentation as a way to reveal early electron dynamics induced by attosecond pulses</b> <u>Alicia Palacios</u> <i>Universidad Autónoma de Madrid, Spain</i>
11:05	<b>Attosecond laser control of photoelectron angular distributions in XUV-induced ionization of H<sub>2</sub></b> <u>Fernando Martín</u> <i>IMDEA Nanoscience and Universidad Autonoma de Madrid, Spain</i>
11:10	<b>Manipulating twisted electrons in strong field ionization</b> <u>Andrew Maxwell</u> <i>The Institute of Photonic Sciences, Spain</i>
11:15	Discussion
12:30	Break
	<b>Session 3 (continued): Strong-Field Physics</b> (Session Chair: Francesca Calegari)
13:00	<b>Time-resolving the UV-initiated photodissociation dynamics of OCS</b> <u>Jochen Küpper</u> <i>CFEL, DESY and Universität Hamburg, Germany</i>
13:05	<b>Strong-field ionization of polyatomic molecules: ultrafast H atom migration and bond formation in the photodissociation of CH<sub>3</sub>OH<sup>+</sup></b> <u>Rituparna Das</u> <i>Physical Research Laboratory, India</i>
13:10	<b>Towards novel probes for valence charges via x-ray optical wave mixing</b> <u>Nina Rohringer</u> <i>DESY and Universität Hamburg, Germany</i>
13:15	Discussion
14:30	Break
	<b>Session 4 (continued): Ultrafast X-ray Science</b> (Session Chair: Linda Young)
15:00	<b>Coupled nuclear-electronic decay dynamics of O<sub>2</sub> inner valence excited states revealed by attosecond XUV wave-mixing spectroscopy</b> <u>Daniel Neumark</u> <i>University of California, Berkeley, USA</i>
15:05	<b>Transient Resonant Auger-Meitner Spectra of Photoexcited Thymine</b> <u>Thomas Wolf</u> <i>SLAC National Accelerator Laboratory, USA</i>
15:10	<b>Multi-channel photodissociation and XUV-induced charge transfer dynamics in strong-field-ionized methyl iodide studied with time-resolved recoil-frame covariance imaging</b> <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	<b>Concluding Remarks Lecture</b> (Session Chair: Taisia Gorkhover) Mikhail Ivanov <i>Max Born Institute, Germany</i>
11:45	<b>Acknowledgements</b>
12:00	<b>Close of meeting</b>