

Preliminary Programme

Monday, March 9th, 2026

8:45 - 9:30 *Registration*

9:30 - 9:45 *Opening*

9:45 - 10:25 Liquid-Jet Photoelectron Spectroscopy of Aqueous Solutions:
Recent Breakthroughs and Current Challenges
Bernd Winter - *Fritz-Haber Institute in Berlin (Germany)*

10:25 - 10:55 A Flow-Focused Droplet Train for Investigating Solution Phase
Processes with Ambient Pressure X-ray Photoelectron
Spectroscopy
David Starr - *Helmholtz-Zentrum Berlin für Materialien und
Energie, Berlin (Germany)*

10:55 - 11:15 *Coffee break*

11:15 - 11:45 Probing Supramolecular Structures in Solution by Resonant
Energy Transfer in the X-Ray Range
Eric Gloaguen - *Institut des Sciences Moléculaires, Orsay
(France)*

11:45 - 12:15 Ultrafast Relaxation in Isolated and Aqueous Nucleobases:
Substituent and Solvent Effects
Alexie Boyer - *Institut de Physique et Chimie des
Matériaux, Strasbourg (France)*

12:15 - 12:35 Real-Time Tracking of the intramolecular vibrational dynamics of
liquid water
Oliviero Cannelli - *CFEL-ATTO, DESY (Germany)*

12:35 - 14:00 *Lunch*

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- 14:00 - 14:30 Femtosecond Fieldoscopy
Hanieh Fattahi - *Max Planck Institute for the Science of Light, Erlangen (Germany)*
- 14:30 - 15:00 Hydrophobic solvation at electrochemical interfaces
Simone Pezzotti - *Ecole Normale Supérieure, Paris (France)*
- 15:00 - 15:20 Practical User Guide of Liquid Sample Delivery Systems for User Facilities and Table-top X-ray Spectroscopy Applications
Anna Zymaková - *ELI ERIC Beamlines Facility (Czech Republic)*
- 15:20 - 15:50 *Coffee break*
- 15:50 - 16:20 Liquid Sample at EuXFEL
Joana Valerio - *European X-Ray Free-Electron Laser, Hamburg (Germany)*
- 16:20 - 16:50 Characterization of non-aqueous solvents using liquid jet photoelectron spectroscopy
Hans-Christian Schewe - *J. Heyrovsky Institute of Physical Chemistry, Prague (Czech Republic)*
- 16:50 - 17:10 Ultrafast Dynamics in Acetone Probed by Time-Resolved Photoelectron Spectroscopy Using Few-Femtosecond Pulses
Kate Robertson – *CEA (France)*
- 17:15 - 18:30 SOLEIL Beamline visits (GALAXIES, PLEIADES, TEMPO)
- 18:30 Poster session & Buffet dinner

Tuesday, March 10th, 2026

- 9:00 - 9:40 Electronic structure and photochemical dynamics of photoactive protein chromophores in aqueous solution
Helen Fielding - *Department of Chemistry, University College London (UK)*
- 9:40 - 10:10 Investigations of heterogeneous processes at liquid-vapor interfaces

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Hendrik Bluhm - Fritz Haber Institute of the Max Planck Society, Berlin (Germany)

10:10 - 10:30 Quantifying Electronic Energetics And Surface Properties Of Aqueous Solutions

Stephan Thürmer - Kyoto University (Japan)

10:30 - 10:50 From Gas-phase to Liquid Phase: Probing the Electronic Structure of Amino Acids with X-ray Spectroscopy

Juliette Leroux - University of Hamburg (Germany)

10:50 - 11:20 Coffee break

11:20 - 11:50 Beating Complex Solution Chemistry With The Selectivity Of Soft X-Rays

Annette Pietzsch - Helmholtz-Zentrum Berlin für Materialien und Energie, Berlin (Germany)

11:50 - 12:20 Real-time theoretical description of coherent electronic dynamics probed by high-harmonic generation and chiral spectroscopies

Eleonora Luppi - Laboratoire de Chimie Théorique, Paris (France)

12:20 - 12:40 X-ray natural circular dichroism of chiral molecules in liquids

Gabriele Bonano - Elettra Sincrotrone (Italy)

12:40 - 13:45 Lunch

13:45 - 15:45 Attolab visit

16:00 - 16:30 Relativistic-intensity laser-plasma interaction at kHz repetition rate on a liquid sheet target

Stefan Haessler - Laboratoire d'optique appliquée, Palaiseau (France)

16:30 - 16:50 High-harmonic generation in liquid crystals using a temperature-controlled flat jet device: Probing mesophase transitions and local order

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Marta Luisa Murillo Sánchez - Max Planck Institute for Nuclear Physics (Germany)

Shaping Light with Liquids: Attosecond Physics for Tunable EUV Sources

16:50 - 17:20 **Angana Mondal** - ARCNL – Advanced Research Center for Nanolithography, and University of Amsterdam, Amsterdam (Netherlands)

17:20 - 17:35 *Coffee break*

X-Ray Induced Intermolecular Decay Of Solvated Ions Investigated By Multi-Electron Coincidence Spectroscopy
Andreas Hans - University of Kassel Faculty of Mathematics and Natural Sciences, Kassel (Germany)

17:35 - 18:05

Attosecond spectroscopy of decoherence in liquid phase water
Gabriele Crippa - CEA Paris Saclay, LCPMR (France)

18:05 - 18:25

18:25 - 18:45 FRSPE

18:45 - 19:00 PEPR LUMA

19:30 *Conference dinner*

Wednesday, March 11th, 2026

9:00 - 9:40 Computational Modelling for Liquid-Jet Photoemission Spectroscopy: Electronic Structure and Electron Transport
Petr Slavicek - Department of Physical Chemistry, University of Chemistry and Technology Prague (Czech Republic)

9:40 - 10:10 Liquid-Jet Velocity-Map Photoelectron Imaging
Iain Wilkinson - Helmholtz-Zentrum Berlin für Materialien und Energie, Berlin (Germany)

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- 10:10 - 10:30 X-Ray-Induced Charge-Transfer-Processes In Solution
Olle Björneholm - *Department of Physics and Astronomy, Uppsala University (Sweden)*
- 10:30 - 10:50 Theoretical Description Of High Order Harmonic Generation In Liquids
Beatriz Darna - *CPCV - École Normale Supérieure (France)*
- 10:50 - 11:20 *Coffee break*
- 11:20 - 11:50 Angle-Resolved Photoemission from Liquid Jets
Gunnar Öhrwall - *Max IV laboratory and Lund University, Lund (Sweden)*
- 11:50 - 12:20 Water dipole orientation, Proton Transfer and Auger electron acceleration in Liquid water probed with Core-Level Spectroscopies
Stéphane Carniato - *Laboratoire de Chimie Physique Matière et Rayonnement, Paris (France)*
- 12:20 - 12:40 Probing Protonation State Dependent Charge Transfer-to-Solvent in L-cysteine via Sulfur $K\beta$ Valence-to-Core Resonant Inelastic X-ray Scattering
Sayantana Sarkar - *LCPMR, Sorbonne Université (France)*
- 12:40 *Closure, Lunch*