

European XFEL Users' Meeting — Programme

Main venue: "Kuppel Hamburg", Luruper Chausse 30, Hamburg, Germany
(next to DESY campus)



18.01.2024

▶ 22 - 23 and 26 January 2024: European XFEL Satellite Workshops (EuXFEL & DESY Campus)

▼ Wednesday, 24 January 2024, 10:00-17:30 European XFEL Users' Meeting – Plenary Sessions

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| 08:30 – 10:00 | Registration | |
| 10:00 – 10:20 | Opening Session | |
| 10:00 | Welcome | T. Feurer (European XFEL) |
| 10:10 | Opening address from the Council Chair | F. Boscherini (U Bologna) |
| 10:15 – 12:30 | European XFEL Update Session | <i>Chair: S. Pascarelli (European XFEL)</i> |
| 10:15 | General status of the project | T. Feurer (European XFEL) |
| 10:45 | Accelerator and FEL sources: status and future plans | S. Liu (DESY) |
| 11:15 | Characterization and applications of attosecond X-ray pulses | M. Meyer (European XFEL) |
| 11:45 | News from the European XFEL User Organization and Bestowal of the Young Scientist Award | M. Simon (Sorbonne Uni.) |
| 12:00 | Young Scientist talk | To be announced |
| 12:30 – 14:00 | Lunch Break | |
| 14:00 – 15:30 | Science Session I | <i>Chair: K. Ayyer (MPSD)</i> |
| 14:00 | Ultrafast X-ray spectroscopy of photochemical bond activation reactions | R. Jay (Uppsala Uni.) |
| 14:30 | Non-equilibrium shape variations amongst millions of nanoparticles | D. Loh (NUS) |
| 15:00 | Experimental Foundations for Exploring Crystallographic 'Dark Matter' | J. Hohman (Uni. Connecticut) |
| 15:30 – 16:00 | Coffee Break | |
| 16:00 – 17:30 | Science Session II | <i>Chair: S. Molodtsov (European XFEL)</i> |
| 16:00 | Low-Z Mixtures at Planetary Interior Conditions | A. Ravasio (LULI) |
| 16:30 | Imaging soft X-ray spectroscopy at SQS: a side view on non-linear processes | J.-E. Rubensson (Uppsala Uni.) |
| 17:00 | Imaging via photon-photon correlation of X-ray fluorescence | F. Trost (DESY-CFEL, European XFEL) |
| 17:30 – 20:00 | Poster Session I and Vendor exhibition (coffee break) | |
| until 21:30 | EuXFEL Get Together (light dinner) | |

▼ Thursday, 25 January 2024, 09:00-11:00 Joint Session: Soft X-ray FEL Science Highlights

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| 08:30 – 09:00 | Registration | |
| 09:00 – 11:00 | Soft X-ray FEL Science Highlights | <i>Chair: M. Simon (Sorbonne Uni.)</i> |
| 09:00 | Probing molecular dynamics of uracil by time-resolved X-ray photoelectron spectroscopy | O. Plekan (Elettra) |
| 09:30 | Photo-excited dynamics of an electron-doped cuprate via tr-RIXS | W.-S. Lee (Stanford Uni.) |
| 10:00 | Real-time observation of non-equilibrium phonon-electron energy flow in laser-heated nickel | V. Shokeen (Uppsala Uni.) |
| 10:30 | FERMI update - status and perspectives | C. Masciovecchio (Elettra) |
| 11:00 – 11:30 | Coffee Break | |
| 11:30 – 16:00 | DESY Photon Science Users' Meeting - FLASH | |
| 16:00 – 19:00 | POSTER SESSION II and Vendor exhibition (coffee break) | |
| until 21:30 | DESY Get Together (light dinner) | |

▶ Friday, 26 January 2024, DESY Photon Science Users' Meeting - PETRA