

European XFEL Users' Meeting — Programme

25–27 January 2023 / Main Auditorium, Building 5, DESY, Hamburg



23 - 24 and 27 January 2023: European XFEL Satellite Workshops

Wednesday, 25 January 2023: Plenary Sessions

08:30 – 10:00	Registration	
10:00 – 10:20	Opening Session	
10:00	Welcome	R. Feidenhans'l (EuXFEL)
10:10	Opening address from the Council Chair	F. Boscherini (U Bologna)
10:20 – 12:45	European XFEL Update Session	<i>Chair: S. Molodtsov (EuXFEL)</i>
10:20	General status of the project	R. Feidenhans'l (EuXFEL)
11:00	Accelerator and FEL Sources - Status and Future Plans	W. Decking (DESY)
11:30	Handling Petabyte Data Sets at European XFEL: Updates on Policy and Implementation	S. Aplin (EuXFEL)
12:00	News from the European XFEL User Organization and Bestowal of the Young Scientist Award	A. Eschenlohr (U Duisburg-Essen)
12:15	Young Scientist talk	To be announced
12:45 – 14:00	Lunch Break	
14:00 – 15:30	Science Session I	<i>Chair: S. Bajt (CFEL-DESY)</i>
14:00	Time-resolved RIXS of NiO photoexcited above the optical gap	L. Martinelli (PoliMi)
14:30	XFEL MHz imaging study of ultrasonic liquid phase exfoliation of 2D materials	J. Mi (U Hull)
15:00	Ultrafast structural dynamics in metal complex photosensitisers and catalysts	J. Weinstein (U Sheffield)
15:30 – 16:00	Coffee Break	
16:00 – 17:30	Science Session II	<i>Chair: M. Naumova (DESY)</i>
16:00	Simultaneous X-ray emission spectroscopy and diffraction from pressurized matter during X-ray heating	C. Sternemann (TU Dortmund)
16:30	Dynamics of Nanoplasma Expansion in Spherical and Fibrous Nanoparticles	E. Rühl (FU Berlin)
17:00	New regimes of nuclear resonance excitation at the European XFEL	R. Röhlberger (U Jena)
17:30 – 20:30	Poster Session I (FEL Science) with fingerfood & refreshments (Bldg. 80d, Reemstma Halle; DESY, Notkestraße 85, Hamburg)	

Thursday, 26 January 2023, 9:00–12:40 DESY Photon Science Users' Meeting - FLASH and FLASH 2020+

Thursday, 26 January 2023, 14:00-16:40 Joint Soft X-ray FEL Session

14:00 – 16:40	Soft X-ray FEL Science Highlights	<i>Chair: A. Eschenlohr (U Duisburg-Essen)</i>
14:00	Distinguishing Molecular Isomers by XFEL-based 3-D Coulomb Explosion Imaging	D. Rolles (U Kansas State)
14:30	Exploring fundamental electron dynamics with attosecond X-ray pulses	M. Ilchen (DESY)
15:00	Report of the 'European synchrotron and FEL user organisation' (ESUO)	C. McGuinness (Trinity College)
15:10 – 15:40	Coffee Break	
		<i>Chair: M. Beye (DESY)</i>
15:40	The ultrafast interfacial movie-imaging electronic and structural dynamics at the space-time limit	K. Baumgärtner (U Würzburg)
16:10	Controlling x-ray matter interaction by collision-induced changes of electronic populations	A. Benediktovitch (DESY)
17:00 – 20:00	Poster Session II (SR Science) with fingerfood & refreshments (Bldg. 80d, Reemstma Halle; DESY, Notkestraße 85, Hamburg)	

Friday, 27 January 2023, 9:00 – 16:00 DESY Photon Science Users' Meeting — Plenaries