

European XFEL Users' Meeting — Programme

20–24 January 2025 / DESY



16 Jan 2025

Tuesday, 21 January 2025, 9:00-16:00 European XFEL plenary session (DESY auditorium)			
08:00 – 09:00	Registration		
09:00 – 10:30	Opening session	Chair: Th. Tschentscher (European XFEL)	
09:00	Welcome/Opening	F. Boscherini	CNR Trieste
09:05	European XFEL: Current status and future developments	T. Feurer	European XFEL
09:50	Update from the European Synchrotron Users Organization (ESUO)	B. Murphy	University Kiel
10:00	European XFEL User Organization and Young Scientist Award	E. McBride	Queens U Belfast
10:10	Award talk by the winner of the Young Scientist Award	To be announced	
10:30 – 11:00	Tea & coffee break		
11:00 – 12:45	Science session I: Water science & new opportunities	Chair: M. Simon (Sorbonne Uni.)	
11:00	Water research at European XFEL	S. Pascarelli	European XFEL
11:15	Ultrafast X-ray solution scattering on the structural dynamics of liquid water after infrared laser excitation	Q. Kong	Synchrotron SOLEIL
11:45	Phase transition kinetics in superionic ice	R. Husband	DESY
12:15	Stimulated X-ray Raman Spectroscopy with SASE pulses	L. Young	APS
12:45 – 14:00	Lunch break		
14:00 – 16:00	Science session II: Energy materials & new opportunities	Chair: S. Bajt (CFEL-DESY)	
14:00	Ultrafast X ray spectroscopy of Molecular Systems for Chemical Energy Conversion	R. Gomez-Castillo	MPI Mülheim
14:30	Femtosecond Soft X-ray Absorption Spectroscopy of Molecular Systems in Solution at EuXFEL	B. van Kuiken	European XFEL
15:00	X-ray FEL experiments supporting Inertial Fusion Energy research	T. Cowan	HZDR
15:30	Observation of nonlinear effects induced by attosecond hard X-ray pulses	I. Inoue	RIKEN & University HH
Tuesday, 21 January 2025, 16:00-19:00 Poster session – European XFEL (CFEL building)			
Tuesday, 21 January 2025, 19:00 - ~22:00 Reception (Lighthouse visitor center, European XFEL, Schenefeld campus)			
Wednesday, 22 January 2021, 9:00 – 12:30 FLASH plenary session (DESY auditorium)			
Wednesday, 22 January 2021, 14:00 – 16:00 DESY-European XFEL-Joint Data science session (DESY auditorium)			
14:00 – 16:00	Joint session Data science	Chair: B. Murphy (University Kiel)	
14:00	Real time data analysis at PETRA III	T. White	DESY
14:30	Weak signal extraction enabled by deep neural network denoising of diffraction data	J. Oppliger	U Zürich
15:00	A high-throughput data pipeline for MHz XPCS: analyzing protein dynamics via solution scattering	A. Leonau	U Siegen & European XFEL
15:30	Machine-learning-enhanced characterization of x-ray pulses	D. E. Ferreira de Lima	European XFEL
Wednesday, 22 January 2025, 16:00-19:00 Poster session – FLASH / Theory / other facilities (CFEL building)			
Thursday, 23 January 2025, 9:00–16:00 DESY Photon Science & PETRA plenary session (DESY auditorium)			
Thursday, 23 January 2025, 16:00-19:00 Poster session – PETRA (CFEL building)			
Monday, 20 Jan; Wednesday, 22 Jan, Thursday, 23 Jan Jan 2025: European XFEL Satellite Workshops			