

DESY PHOTON SCIENCE USERS' MEETING.



26 - 27 January 2023 - DESY Auditorium **DRAFT!**

Time zone: CET Europe/Hamburg

Monday, 23 January 2023 Users' Meeting - Workshops

9.00 – 18.00	Users' Meeting Workshops
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Tuesday, 24 January 2023 Users' Meeting - Workshops

9.00 – 18.00	Users' Meeting Workshops
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Wednesday, 25 January 2023 European XFEL Users' Meeting and Poster Session

10.00 – 17.00	European XFEL Users' Meeting
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17.30 – 20.30	Scientific POSTER Session – Part 1 (FEL Science) with Fingerfood & Refreshments
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Thursday, 26 January 2023 DESY Photon Science Users' Meeting - FLASH and FLASH 2020+

Chair: E. Plönjes (DESY)

9.00 – 9.10	Welcome - FLASH session	E. Weckert (DESY)
9.10 – 9.40	FLASH strategy	M. Gühr (DESY)
9.40 – 10.10	Status FLASH2020+ project	L. Schaper (DESY)

10.10 – 10.40	Coffee break
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Chair: R. Treusch (DESY)

10.40 – 11.10	Time- and channel-resolved inner-shell photoelectron spectroscopy	F. Allum (SLAC Stanford, USA)
11.10 – 11.40	Mixing laser- and X-ray-beams for probing the electronic structure of solids by non-linear spectroscopy	D. Schick (MBI Berlin)
11.40 – 12.10	Fragmentation dynamics of polycyclic aromatic hydrocarbons explored using ultrafast XUV-Vis and XUV-IR pump-probe spectroscopy	M. Schnell (DESY/CAU Kiel)
12.10 – 12.40	Ultrafast and wavelength-tunable ytterbium lasers for FEL science and electron acceleration	C. Heyl (DESY/Univ. Jena)

12.40 – 14.00	Lunch	
Joint Soft X-ray FEL Session		
		<i>Chair: A. Eschenlohr (Univ. Duisburg-Essen)</i>
14.00 – 14.30	Distinguishing Molecular Isomers by XFEL-based 3-D Coulomb Explosion	D. Rolles (Kansas State University, USA)
14.30 – 15.00	Exploring fundamental electron dynamics with attosecond X-ray pulses	M. Ilchen (DESY)
15.00 – 15.10	The European Synchrotron and FEL User Organisation (ESUO): Advocating for European users	C. McGuinness, ESUO president, (Trinity College Dublin, Ireland)
15.10 – 15.40	Coffee break	
		<i>Chair: M. Beye (DESY)</i>
15.40 – 16.10	The ultrafast interfacial movie-imaging electronic and structural dynamics at the space-time limit	K. Baumgärtner (Univ. Würzburg)
16.10 – 16.40	Transient absorption of warm dense matter created by and X-ray free electron laser	A. Benediktovitch (Uni. Hamburg)
17.00 – 20.00	Scientific POSTER Session – part 2 (SR Science) with Fingerfood & Refreshments	

Friday, 27 January 2023 DESY Photon Science Users' Meeting 2023

Chair: K. Roßnagel (DESY)

9.00 – 9.15	Welcome to DESY - PETRA III session	H. Dosch (DESY)
9.15 – 9.45	Overview DESY Photon Science	E. Weckert (DESY)
9.45 – 10.15	PETRA III	C. Schroer (DESY)
10.15 – 10.45	Coffee break	
		<i>Chair: H.-C. Wille (DESY)</i>
10.45 – 11.30	PETRA IV upgrade project	H. Reichert (DESY)
11.30 – 12.00	PETRA IV beamline portfolio	K. Bagschik (DESY)
12.00 – 12.15	Report of the 'DESY Photon Science User Committee' (DPS-UC) – results of the election	P. Müller-Buschbaum, DPS-UC Chair, (TU München)
12.15 – 12.25	Research with Photons – Light for the Future: News from the KFS (Committee Research with Synchrotron Radiation)	J.-D. Grunwaldt, KFS Chair, (KIT Karlsruhe)
12.25 – 13.30	Lunch	
		<i>Chair: S. Teichert (DESY)</i>
13.30 – 14:00	Manipulation of host cells by infecting bacteria	A. Itzen (UHH, UKE)
14.00 – 14.30	The state of zinc in methanol synthesis over a Zn/ZnO/Cu(211) model catalyst	P. Amann (Stockholm University, Schweden)
14.30 – 15.00	Use of AI for synchrotron data analysis	T. Strohmam (DLR)
15.00 – 15.30	DAPHNE	B. Murphy (CAU)

Update: 16 Jan. 2023