

TUESDAY 2ND SEPTEMBER

Item	Duration	Start	End	Session	Speaker	Title
Registration	00:30	08:30	09:00			
Opening remarks	00:10	09:00	09:10		Roper, Mark	
Plenary	00:30	09:10	09:40	Plenary	Clarke, Prof. J.A.	Particle Accelerators at Daresbury Laboratory: A Colourful Past and a Bright Future
Invited	00:30	09:40	10:10	Temporal and spectral diagnostics (Chair: Chris Arrell)	Liu, Jia	Temporal diagnostics at various time scales
Invited	00:30	10:10	10:40		Inoue, Ichiro	Temporal characterization of attosecond hard X-ray pulses via nonlinear fluorescence
Contributed	00:20	10:40	11:00		Duesterer, Stefan	5 years of experience with the THz streaking beamline FL21 at FLASH
Break	00:30	11:00	11:30			
Invited	00:30	11:30	12:00	Temporal and spectral diagnostics (Chair: Chris Arrell)	Skoropata, Elizabeth	The new online single-shot photon spectrometer for the soft x-ray beamline of SwissFEL
Contributed	00:20	12:00	12:20		Frassetto, Fabio	Calibration and analysis of the wide-band compact spectrometer COSP
Contributed	00:20	12:20	12:40		Grünert, Jan	Diagnostics for XFEL
Lunch	01:00	12:40	13:40			
Invited	00:30	13:40	14:10	Beamline optics & metrology (Chair: Fabio Villa)	Bazan da Silva, Murilo	Pico-metrology: pushing the limits of optical metrology to characterize ultra-quality X-ray optical systems for 4th generation light sources
Contributed	00:20	14:10	14:30		Sokolov, Andrey	At-Wavelength Metrology facility for EUV, XUV and tender X-ray energy range optics
Contributed	00:20	14:30	14:50		Zeni, Gabriele	Development and calibration of a novel EUV reflectometer and its first polarimetry-dependent measurements
Break	00:30	14:50	15:20			
Invited	00:30	15:20	15:50	Spatial, wavefront & polarisation diagnostics (Chair: Kai Tiedtke)	Braune, Markus	New online polarization diagnostics for 3rd harmonic afterburner radiation
Contributed	00:20	15:50	16:10		Dhamgaye, Vishal	Wavefront control approach for X-ray optics alignment
Contributed	00:20	16:10	16:30		Makita, Mikako	Maintaining Pulse Integrity: Diagnosing MHz Modulations in High-keV X-ray Regimes
Contributed	00:20	16:30	16:50		Laksman, Joakim	Operation of Photo Electron Spectrometers for Photon Diagnostics at the European X-Ray Free Electron Laser
Contributed	00:20	16:50	17:10		Boesenberg, Ulrike	X-ray beam diagnostics at the Materials Imaging and Dynamics Instrument at EuXFEL
Facility Reports	00:40	17:10	17:50	Facility reports (Chair: Mark Roper)		Quick-fire reports from FEL facilities around the world

FINAL PROGRAM

WEDNESDAY 3RD SEPTEMBER

Item	Duration	Start	End	Session	Speaker	Title
Invited	00:30	08:30	09:00	Detectors (Chair: Matt Wilson)	Greiffenberg, Dominic	Detector Developments at PSI for SwissFEL and SLS2.0
Invited	00:30	09:00	09:30		Hansson, Conny	ePix Detector Family and Future Detector Development Plans at LCLS
Contributed	00:20	09:30	09:50		Camarda, Massimo	Status and prospects of Silicon Carbide-based in-line sensors for X-ray realtime monitoring
Invited	00:30	09:50	10:20		Nishino, Haruki	Development of 20.2 Mpixel CITIUS detector and prospects for 5 kHz operation
Invited	00:30	10:20	10:50		Ebersoldt, Andreas	Advanced & Intelligent Beam Diagnostics at KIT
Break	00:30	10:50	11:20			
Invited	00:30	11:20	11:50	Beamline design (Chair: Kawal Sawhney)	Alianelli, Lucia	Optics Designs for Diamond-II upgrade
Invited	00:30	11:50	12:20		Simoncig, Alberto	XUV-XUV time-resolved experiments at FERMI: the AC/DC optical layout, open problems and future perspectives within the FERMI2.0 project
Contributed	00:20	12:20	12:40		Hanada, Kakeru	EUV-FEL nanofocusing mirror optics: two-dimensional aberrations of KB and AKB optics.
Contributed	00:20	12:40	13:00		Brenner, Günter	Temporal characterization of the new time-delay-compensating monochromator beamline at FLASH and first user experiments
Lunch/Poster	01:30	13:00	14:30		Group photo followed by lunch	
Industrial sponsors	01:00	14:30	15:30	Sponsor presentations (Chair: Mark Roper)		
Contributed	00:20	15:30	15:50	Beamline optics & metrology (Chair: Frank Siewert)	Manfreda, Michele	The Good, the Bad and the Broad spot. Doing Science at FERMI with KAOS. Old Tricks and New Challenges
Contributed	00:20	15:50	16:10		Schmidtchen, Silja	Reminisce - Refurbishment of Mirrors to Increase Sustainability at Light Sources
Break	00:30	16:10	16:40			
Contributed	00:20	16:40	17:00	Beamline optics & metrology (Chair: Frank Siewert)	Vannoni, Maurizio	Optical Delay Line (ODL) with fixed time delay for 2-color applications at European XFEL: from metrology of the mirrors to early commissioning results to tunnel installation
Contributed	00:20	17:00	17:20		Döring, Florian	Nanofabrication Solutions for Advanced Photon Diagnostics
Free	01:10	17:20	18:30			
Conference Dinner	03:30	18:30	22:00			

FINAL PROGRAM

THURSDAY 4TH SEPTEMBER

Item	Duration	Start	End	Session Theme	Speaker	Title
Contributed	00:20	08:30	08:50	Spatial, wavefront & polarisation diagnostics (Chair: Jan Grünert)	Houghton, Claire	Upgrading Front-End XBPMs for Diamond-II: Design, Testing, and Validation
Contributed	00:20	08:50	09:10		Hyun, HyoJung	Enhancement of an X-ray Ionization Beam Position Monitor for PAL-XFEL Soft X-rays through Internal Structure Redesign
Contributed	00:20	09:10	09:30		Tong, Yajun	A diamond scintillator-based beam position and pulse energy monitor for SHINE
Contributed	00:20	09:30	09:50		Trovato, Gabriele	Evaluation of SiC-Based X-ray Beam Position Monitors (XBPMs) for Application in XFEL Environments
Contributed	00:20	09:50	10:10		Balcazar, Mario	Profile Diagnostics for Spatial Overlap between X-ray and Electron Beams in an X-ray laser cavity
Break	00:30	10:10	10:40	Computation (Chair: Mark Roper)	Bishara, Fady	Beamline Automation, Optimization, and Control Activities at the European XFEL
Invited	00:30	10:40	11:10		Thayer, Jana	From Data Deluge to Discovery Engine: How AI-Augmented Instruments Revolutionize Science
Invited	00:30	11:10	11:40		La Rosa, Niccolò	Development and integration of a PID Control System in a Multichannel High-Current Ammeter for XBPM Applications
Contributed	00:20	11:40	12:00		Fernandez-Herrero, Analia	Blazed profile gratings produced by EBL for spectroscopic applications
Contributed	00:20	12:00	12:20	Beamline design, optics & metrology (Chair: Marco Zangrando)	Villa, Fabio	EuPRAXIA@SPARC_LAB AQUA beamline: a FEL beamline in the water window from plasma accelerated electrons
Contributed	00:20	12:20	12:40		Singhapong, Wadwan	Double Multilayer Monochromators for Beamline Upgrades at Diamond Light Source: Insights into Optical and Multilayer Design
Contributed	00:20	12:40	13:00			
Lunch	01:00	13:00	14:00	Lunch is provided		
Open Forum	01:30	14:00	15:30	Open forum		
Close	00:00	15:30	15:30			

FINAL PROGRAM