

XOPT2026 Program
 Date April 21(Tue)-April 23(Thu), 2026
 Venue Room 313+314

Day1: April 21 (Tue)

JST	Session	Chair	Speaker	Affiliation	Title
9:00	Opening				
9:05	Facility	Ichiro Inoue (The University of Tokyo)	Aymeric Robert	MAX IV Laboratory	MAX4: the first fourth-generation lightsource upgrade.
9:20			Michele Manfreda	Elettra - The Italian Synchrotron	Advances from PADReS : The FERMI Photon Transport Group. Recent Progress, Emerging Challenges, and Perspectives
9:35			Diling Zhu	SLAC National Accelerator Laboratory	Design options for x-ray cavity systems driven by the 8GeV SC Linac at LCLS
9:50			Harald Sinn	European XFEL	Lasing of a Cavity Based X-ray Source
10:20	Coffee Break				
10:45	Optics and Metrology 1	Lorenzo Raimondi (Advanced Light Source)	Junpei Yamada	The University of Osaka	High-flux X-ray focusing mirrors for 4th generation synchrotron radiation sources
11:15			May Ling Ng	SLAC National Accelerator Laboratory	A status update on beam delivery systems at the LCLS
11:30			Shuai Zhao	University of Science and Technology of China	Optical metrology and grating fabrication at the Hefei Advanced Light Facility (HALF)
11:45	Lunch Break				
13:15	ALPS & XOPT Joint session	ALPS	Ludovic Lecherbourg	Laboratoire d'Optique Appliquée (LOA), UPX Group	Laser-based X-ray sources for x-ray spectroscopy in the warm dense regime
13:45		Hidekazu Mimura (The University of Tokyo)	Tao Sun	Northwestern University	Operando synchrotron x-ray studies of additive manufacturing
14:15	Coffee Break				
14:40	Optics and Metrology 2	Ray Barrett (ESRF)	Xianbo Shi	Argonne National Laboratory	X-ray wavefront diagnostics for beamline commissioning and optics optimization at the APS
15:10			Natalia Gerasimova	European XFEL	Resonant Inelastic X-ray Scattering Instrumentation at European XFEL
15:25			Mourad Idir	BNL/NSLS-II	Recent upgrade for X-ray optics and metrology development at NSLS-II
15:40			Kelin Tasca	European XFEL	Wavefront and rocking-curve imaging characterization of plasma-polished Si(111) channel-cut crystal for the European XFEL hard X-ray monochromators
15:55	Coffee Break				
16:15	Poster Flash Talks from Students		Speakers: see poster presentation list		
17:00	XOPT Banquet				
18:30	XOPT Banquet				

Day2: April 22 (Wed)

JST	Session	Chair	Speaker	Affiliation	Title
9:00	XFEL	Harald Sinn (European XFEL)	Hyunjung Kim	Sogang University	Ultrafast Phase-Transition Pathways Revealed by Time-resolved Bragg Coherent X-ray Imaging
9:30			Yanwen Sun	SLAC National Accelerator Laboratory	Temporal characterization of 100 attosecond hard X-ray pulses via split-delay autocorrelation
10:00			Patrik Vagovic	Center for Free Electron Laser Science, DESY	Multi-projection X-ray Tomoscopy
10:15			Lin Zhang	SLAC National Accelerator Laboratory	Pulse-by-pulse transient thermal deformation minimization in crystal optics under high repetition-rate FEL
10:30	Poster Session				
12:00	Lunch Break				
13:30	High-speed imaging	Tao Sun (Northwestern University)	Alexander Rack	ESRF	Studying dynamic processes at ESRF beamline ID19 with ultra-high speed radiography: from kHz to MHz
14:00			Satoru Egawa	The University of Tokyo	High-speed X-ray imaging of metal machining processes using intense 100 keV X-rays
14:30			Yoshiki Sakai	The University of Tokyo	Simultaneous Observation in Laser Powder Bed Fusion Using X-ray Imaging of the Melt Pool Interior and Visible-Light Imaging of Spatter
14:45			Muneyoshi Iyota	Osaka Institute of Technology	100keV Pink-beam X-ray Imaging under Resistance Spot Welding
15:00	Coffee Break				
15:15	Imaging 1	Manuel Guizar-Sicairos (EPFL / Paul Scherrer Institut)	Mikhail Lyubomirskiy	Lund University	Tilting X-ray Ptychography: a year of friendly user operation
15:30			Stefan Schwaiger	Technical University of Munich	Fourier-Space Decomposition Super-Resolution X-Ray Microscopy
15:45			Kai Sakurai	The University of Tokyo	Soft X-ray Ptychography of Living Cells across and beyond Water Window
16:00	Coffee Break				
16:15	OPIC Plenary (16:15-)				

Day3: April 23 (Thu)

JST	Session	Chair	Speaker	Affiliation	Title
9:00	Optics 1	Evgeny Nazaretski (Brookhaven National Laboratory)	Ray Barrett	ESRF	X-ray optics solutions for the ESRF EBS
9:30			Irina Snigireva	ESRF	Evolution of In-line Coherent X-ray Optics over Three Decades
9:45			Yu-Chung Lin	Argonne National Laboratory	Optimization of 3D printed compound refractive lenses for sub-micron synchrotron X-ray focusing
10:00			Peng Qi	ShanghaiTech University	A diamond diffractive axicon for enabling full-field Transmission X-ray Microscopy at diffraction-limited synchrotron sources
10:15	Coffee Break				
10:35	Imaging 2	Alexander Rack (ESRF)	Tim Salditt	Georg-August-Universität Göttingen	Coherent X-ray Optics and Phase Retrieval for holographic Imaging of Biological Matter
11:05			Gota Yamaguchi	RIKEN SPring-8 Center	Single-shot full-field X-ray imaging with 10 nm resolution using hard X-ray FEL pulses
11:20			Kim Nygård	MAX IV Laboratory, Lund University	Time-Resolved Multiscale X-ray Imaging: Opportunities for Materials Science
11:35			Yong Chu	Brookhaven National Laboratory	Sparse X-ray Imaging Development at NSLS-II
11:50	Lunch Break				
13:20	Optics 2	Xianbo Shi (Advanced Photon Source)	Lorenzo Raimondi	Advanced Light Source	Exploring the interaction between X-ray waves and optical elements: a physical optics perspective
13:50			Makoto Yoshihara	Nagoya University	Compact, High-Sensitivity X-ray Imaging Spectroscopic Instruments for CubeSats: Development Status
14:05			Alexander S. Pirozhkov	KPSI QST	Alloharmonics in high-resolution BISER spectra
14:20	Coffee Break				
14:40	Imaging 3		Evgeny Nazaretski	Brookhaven National Laboratory	Multilayer Laue Lenses: from fabrication to sub-10 nm hard X-ray imaging
15:10			Mihiro Ikenaga	Tohoku university	Development of Phase-modulated Multi-beam X-ray Ptychography Using Total Reflection Focusing Mirrors
15:25			Tang Li	DESY	Living with Multibeam Ptychography: Overcoming Limitations on the Path to High-Throughput X-ray Nano-Imaging
15:40	Coffee Break				
16:00	Optics 3	Takashi Kimura (The University of Tokyo)	Christian Morawe	ESRF	X-ray mirror figure correction by differential deposition
16:15			Qiushi Huang	Tongji University	Development of X-ray reflective optics with high efficiency and high resolution
16:30			Takato Inoue	Nagoya University	Development of ultrathin deformable mirror using piezoelectric single crystal
16:45	Closing				