XOPT2021 Program

Date: 19th April, 2021 9:30-17:50 (JST), Venu: ZOOM + In-person at Osaka U.

CEST: Central European Summer Time
PDT: Pacific Daylight Time
EDT: Eastern Daylight Time
JST: Japan Standard Time

CEST	PDT	EDT	JST	Session	Chair	Speaker	
2:30	17:30	20:30	9:30	Opening		**Tetsuya Ishikawa**	XOPT Opening Remarks
2:40	17:40	20:40	9:40	Advances in X-ray mirror	Takashi Kimura	**Mourad Idir**	Advanced X-ray optics and metrology development at NSLS-II
2:55	17:55	20:55	9:55				
3:10	18:10	21:10	10:10			**Hiroto Motoyama**	Development of sub-micron soft x-ray free-electron laser focusing system at SACLA
3:25	18:25	21:25	10:25				
3:40	18:40	21:40	10:40	**Break**			
4:00	19:00	22:00	11:00	X-ray optics	Taito Osaka	**Yoko Takeo**	Wave-optical simulation for soft X-ray focusing optics using coherent mode decomposition
4:15	19:15	22:15	11:15			**Shotaro Matsumura**	Processing a micro-channel-cut crystal monochromator using Ni wire for reflection self-seeded X-ray free-electron laser
4:30	19:30	22:30	11:30			**Yuka Nishioka**	Optimization of mirror deformation method for hybrid bender combining mechanical and piezoelectric bending
4:45	19:45	22:45	11:45			**Takato Inoue**	Development of sub-5 nm focusing system based on precise deformable mirrors
5:00	20:00	23:00	12:00	**Lunch**			
5:15	20:15	23:15	12:15				
5:30	20:30	23:30	12:30				
5:45	20:45	23:45	12:45				
6:00	21:00	0:00	13:00	Wavefront / Imaging	Hiroto Motoyama	**Jumpei Yamada**	Single-grating interferometer for hard X-ray sub-10nm focusing mirror system
6:15	21:15	0:15	13:15			**Yuto Tanaka**	Development of wavefront sensing in full-field X-ray microscopy
6:30	21:30	0:30	13:30			**Nozomu Ishiguro**	Nano-scale Chemical State Visualization of Functional Materials Using Ptychography-XAFS
6:45	21:45	0:45	13:45				
7:00	22:00	1:00	14:00	**Break**			
7:10	22:10	1:10	14:10	Applications / Detectors	Satoshi Matsuyama	**Wataru Yashiro**	Feasibility study on 3D dynamic X-ray elastography for soft tissue and soft materials
7:20	22:20	1:20	14:20				
7:30	22:30	1:30	14:30			**Adam Kubec**	Additive Manufacturing for X-ray optical applications
7:40	22:40	1:40	14:40				
7:50	22:50	1:50	14:50			**Takaki Hatsui**	CITIUS: a 17400 frames/s X-ray imaging detector with a linear response over 600 Mcps/pixel
8:00	23:00	2:00	15:00				
8:10	23:10	2:10	15:10	**Break**			
8:20	23:20	2:20	15:20	FEL-related topics	Ichiro Inoue	**Vladimir Lipp**	Measurement of transient optical phase change as a potential diagnostics tool for extreme-ultraviolet free-electron-laser pump optical-probe experiments
8:30	23:30	2:30	15:30				
8:40	23:40	2:40	15:40			**Kelin Tasca**	A diamond channel cut monochromator for operation at high energy and high repetition rate at the EuXFEL: a numerical modeling of the thermal load effects
8:50	23:50	2:50	15:50				
9:00	0:00	3:00	16:00			**Ivan Vartaniants**	Hanbury Brown and Twiss Interferometry at X-ray Free-Electron Lasers
9:10	0:10	3:10	16:10				
9:20	0:20	3:20	16:20				
9:30	0:30	3:30	16:30	**Break**			
9:40	0:40	3:40	16:40	Novel optics/methods	Makina Yabashi	**Immo Bahns**	Thermoelastic stability of Bragg reflectors under pulsed heat load in an XFELO
9:50	0:50	3:50	16:50				
10:00	1:00	4:00	17:00			**Jürgen Gluch**	Laboratory based hard X-ray microscopy with Multilayer-Laue-Lens for full-field imaging
10:10	1:10	4:10	17:10				
10:20	1:20	4:20	17:20			**Florian Döring**	Multi-Focus Off-Axis Zone Plates for Experiments at X-Ray Free Electron Lasers
10:30	1:30	4:30	17:30				
10:40	1:40	4:40	17:40	Closing		**Kazuto Yamauchi**	XOPT Closing Remarks