

XRM2022

International Conference
X-ray Microscopy

June 19-24, 2022

National Synchrotron Radiation Research Center, Taiwan



Conference Program

About XRM

The International Conference on X-ray Microscopy (XRM) was initiated in 1980's by two of the XRM pioneers, Prof. Dr. Günter Schmahl and Prof. Janos Kirz. It began as a triennial event but switched to biennial meetings after 2008 to accommodate for the rapid development of XRM and to strengthen academia-industry interactions. Fourteen XRM Conferences have been held over the past 40 years since the first one took place in Göttingen, Germany in 1983. It has evolved into one of the biggest and the most important meetings in the field of X-ray Microscopy.

The cities and countries where XRM Conferences have been held are; XRM1983 (Göttingen, Germany), XRM1987 (Brookhaven, USA), XRM1990 (London, UK), XRM1993 (Chernogolovka, Russia), XRM1996 (Würzburg, Germany), XRM1999 (Berkeley, USA), XRM2002 (Grenoble, France), XRM2005 (Hemiji, Japan), XRM2008 (Zürich, Switzerland), XRM2010 (Chicago, 2010), XRM2012 (Shanghai, China), XRM2014 (Melbourne, Australia), XRM2016 (Oxford, UK), and XRM2018 (Saskatoon, Canada).

All conference attendees select the future XRM Conference hosts, four years in advance. At XRM2016, the National Synchrotron Radiation Research Center (NSRRC) proposed to host the XRM2020 and stood out from the competition. Due to the COVID-19 pandemic, XRM2020 was cancelled and rescheduled to 2022. XRM2022 will take place in Hsinchu, Taiwan from June 19 to 24, and will run in All-VIRTUAL mode with post-conference proceedings. The next XRM conference will be hosted by MAX IV in 2024.

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US CST	EU CET	Asia CST	Sunday, June 19 [GMT+8]
03:00 05:00	10:00 12:00	16:00 18:00	XRM2022 Welcome to Gather
05:00 06:00	12:00 13:00	18:00 19:00	
			IAC Meeting

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US CST	EU CET	Asia CST	Monday, June 20 [GMT+8] Applied Nanotools Day
19:00 19:30	02:00 02:30	08:00 08:30	Registration/Testing
19:30 19:45	02:30 02:45	08:30 08:45	Opening Remarks Gwo-Huei Luo, NSRRC
			Session Chair: Chun-Jung Chen, NSRRC
19:45 20:30	02:45 03:30	08:45 09:30	PL001 Visualizing Whole-Body Gene Expressions with Synchrotron X-ray in <i>Drosophila</i> Ann-Shyn Chiang, National Tsing Hua Univ.
20:30 20:50	03:30 03:50	09:30 09:50	Sponsor Presentation -- JTEC Corporation
20:50 21:00	03:50 04:00	09:50 10:00	Room Switching

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US	EU	Asia	Session Chair: Mau-Tsu Tang, NSRRC		Session Chair: Chun-Chieh Wang, NSRRC	
21:00 21:30	04:00 04:30	10:00 10:30	IP001	Developments on Multilayer Laue Lenses for High Energy X-ray Optics Andrew Morgan, Univ. of Melbourne	IP002	Fast Tomography Projection Microscopy and Transmission X-ray Microscopy Beamline at TPS of NSRRC Yen-Fang Song, NSRRC
21:30 22:00	04:30 05:00	10:30 11:00		High-resolution Full-field X-ray Microscope Based on Multilayer Advanced KB Mirrors Satoshi Matsuyama, Osaka Univ.		IP004
22:00 22:20	05:00 05:20	11:00 11:20	CP001-WMI20	Advanced Kirkpatrick-Baez Mirror Optics Based on Wolter Type I and III Configurations for Hard X-ray full-field Microscopy Jumpei Yamada, RIKEN SPring-8/Osaka Univ.	CP002	Recovering Refraction and Attenuation Information in an Unknown Sample Using X-ray Propagation-based Phase-contrast Tomography Samantha Jane Alloo, Univ. of Canterbury
22:20 22:40	05:20 05:40	11:20 11:40		Current Status of a Soft X-ray Spin-resolved Momentum Microscope at the Taiwan Photon Source Tzu-Hung Chuang, NSRRC		CP004
22:40 23:00	05:40 06:00	11:40 12:00	CP005	Recent progress of single-shot coherent diffraction imaging at PAL-XFEL Daewoong Nam, Pohang Accelerator Lab.	CP006	Extracting X-ray Dark-field Signals Using Bright-field Imaging Thomas Aaron Leatham, Monash Univ.
23:00 01:30 [6/20]	06:00 08:30	12:00 14:30	Break			
US	EU	Asia	Session Chair: Chia-Hao Chen, NSRRC		Session Chair: Hung-Wei Shiu, NSRRC	
01:30 02:00	08:30 09:00	14:30 15:00	IP005	X-ray Imaging at the Nanoscale with Attosecond Time Resolution Tais Gorkhover, Univ. of Hamburg	IP006	Environmental Ptychographic X-ray Transmission Near-edge Structure Nanotomography of Heterogeneous Catalysts Johannes Ihli, Paul Scherrer Institut
02:00 02:20	09:00 09:20	15:00 15:20		CP007		Quantitative X-ray Stain Uptake Determination via Near-field Ptychography and Its Implication for Sustainable X-ray Staining Madleen Busse, Technical Univ. of Munich
02:20 02:40	09:20 09:40	15:20 15:40	CP009	Towards Larger Domain Sizes in Solvent-processed Crystalline Organic Thin Films Tim Hawly, Friedrich-Alexander-Univ. Erlangen-Nürnberg	CP010	X-ray Fourier Ptychography Andreas Menzel, Paul Scherrer Institut
02:40 03:00	09:40 10:00	15:40 16:00				

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03:00 03:30	10:00 10:30	16:00 16:30	Break					
US	EU	Asia	Session Chair: Chia-Hao Chen, NSRRC			Session Chair: Hung-Wei Shiu, NSRRC		
03:30 04:00	10:30 11:00	16:30 17:00	IP007	Enhanced Solar Water Splitting Efficiency Using Ti-doped Hematite Nanorods: Why? A Spectromicroscopic Answer Stefan Stanescu, Synchrotron SOLEIL	IP008	The SoftiMAX Beamline: Soft X-ray STXM and Ptycho at MAX IV Karina Thånell, MAX IV		
04:00 04:20	11:00 11:20	17:00 17:20	CP012-WMI20	High-resolution Soft-tissue Imaging with a Nanoscopic Table-top X-ray Computed Tomography Setup Simone Ferstl, Veridos GmbH	CP015	Investigation of New Methods for Reconstructing Crystallite Properties from Synchrotron X-ray Diffraction Tomography Data Nathanael Leung, Univ. of Surrey		
04:20 04:40	11:20 11:40	17:20 17:40	CP014	Correlating STED and Synchrotron XRF Nano-imaging to Explore Metal Functions in Synapses Richard Ortega, CNRS/Univ. of Bordeaux	CP017	An <i>In-situ</i> Laser for Time-resolved Measurements at the MAXYMUS Microscope Kathinka Gerlinger, Max Born Institute		
04:40 05:00	11:40 12:00	17:40 18:00	CP016	Soft X-ray Spectromicroscopy of Organic Inorganic Halide Perovskites Sufal Swaraj, Synchrotron SOLEIL				
05:00 08:00	12:00 15:00	18:00 21:00	Break					
US	EU	Asia	Session Chair: Gung-Chian Yin, NSRRC			Session Chair: Lee-Jene Lai, NSRRC		
08:00 08:20	15:00 15:20	21:00 21:20	CP018-WMI22	Phase Retrieval Meets Lens-based Imaging: Coherent Diffractive Imaging with Diffractive Optics Jakob Soltau, Univ. of Goettingen	CP019	The Transition from Refraction to Ultra-small-angle X-ray Scattering (USAXS) in a Laboratory Phase-based X-ray Microscope for Soft Tissue Imaging Michela Esposito, Univ. College London		
08:20 08:40	15:20 15:40	21:20 21:40	CP020	Ultra-stable KB Mirror Systems for Sirius/LNLS Beamlines: An Exactly-constrained Approach for Maximum Position Stability in Nano-focusing KB Systems Gabriel B Z L Moreno, LNLS	CP021	Table-top Correlative Fluorescence and Soft X-ray Microscopy Julius Reinhard, Friedrich Schiller Univ. Jena		
08:40 09:30	15:40 16:30	21:40 22:30	Poster & Exhibit Session					

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US CST	EU CET	Asia CST	Tuesday, June 21 [GMT+8] Norcada Day			
19:00 19:30	02:00 02:30	08:00 08:30	Registration/Testing			
Session Chair: Mau-Tsu Tang, NSRRC						
19:30 20:00	02:30 03:00	08:30 09:00	IS001	Development and Application of Spectroscopic Ptychography in Hard and Tender Energy Ranges at SPring-8 Yukio Takahashi, Tohoku Univ.		
20:00 20:10	03:00 03:10	09:00 09:10	Room Switching			
Session Chair: Gung-Chian Yin, NSRRC			Session Chair: Yen-Fang Song, NSRRC			
20:10 20:30	03:10 03:30	09:10 09:30	CP022- WMI20	A Study on the Reversible Plating and Stripping of a Spatially Modulated Zinc Metal Anode David Agyeman-Budu, SLAC National Accelerator Lab.	CP023	Metal-assisted Chemical Etching for Nanofabrication of Hard X-ray Zone Plates Rabia Akan, SLAC National Accelerator Lab.
20:30 20:50	03:30 03:50	09:30 09:50	CP024	When Lightning Hits a Rock Juergen Thieme, Brookhaven National Lab.	CP025	X-ray Three-dimensional Imaging Using Ultra-thin Laminar Light Yoshiki Kohmura, RIKEN SPring-8
20:50 21:10	03:50 04:10	09:50 10:10	CP026	Development of a Cryo-soft X-ray Tomography at Taiwan Photon Source Lee-Jene Lai, NSRRC	CP027	Development of Sub-5-nm Focusing System Using a Multilayer-coated Deformable Mirror Takato Inoue, Osaka Univ.
21:10 21:30	04:10 04:30	10:10 10:30	Break			
Session Chair: Shao-Chin Tseng, NSRRC			Session Chair: Mau-Tsu Tang, NSRRC			
21:30 22:00	04:30 05:00	10:30 11:00	IP009	Electroformed Mirrors for X-ray Microscopy Hidekazu Mimura, The Univ. of Tokyo	IP010	Spatiotemporal Nanoimaging of Extended Objects via Multiple-shot Coherent Diffraction Imaging and Ptychographic Tomography Yuki Takayama, Hyogo Univ.
22:00 22:20	05:00 05:20	11:00 11:20	CP028	Scanning Three-dimensional X-ray Diffraction Using a 100-keV Microbeam Yujiro Hayashi, RIKEN SPring-8	CP029	Development of Grating-based Super-resolution X-ray Phase Imaging Atsushi Momose, Tohoku Univ.
22:20 22:40	05:20 05:40	11:20 11:40	CP030	Capabilities of XEOL and TR-XEOL of the Taiwan Photon Source 23A X-ray Nanoprobe in Hybrid Bunch Mode Bi-Hsuan Lin, NSRRC	CP031	Nano-chemical Mapping of Cobalt Nanoparticles on the Graphene-related Membranes Cheng-Hao Chuang, Tamkang Univ.

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22:40 23:00	05:40 06:00	11:40 12:00	CP032	Is XFEL Based Single Particle Imaging Ready for Inference on Million-particle Ensembles? Duane Loh, National Univ. of Singapore	CP033	Progress in Nanobubble Research Investigated by Synchrotron Radiation Techniques Lijuan Zhang, Shanghai Advanced Research Institute
23:00 01:30 [6/21]	06:00 08:30	12:00 14:30	Break			
01:30 03:30	08:30 10:30	14:30 16:30	Poster & Exhibit Session			
US	EU	Asia	Session Chair: Yu-Shan Huang, NSRRC			
03:30 04:15	10:30 11:15	16:30 17:15	PL002	SAXS Imaging for the Characterization of Soft-matter Marianne Liebi, Paul Scherrer Institut		
4:15 04:45	11:15 11:45	17:15 17:45	IS002	Zooming in and Zooming out on Solid Catalyst Particles Using Nanotomography Florian Meirer, Utrecht Univ.		
04:45 05:05	11:45 12:05	17:45 18:05	Sponsor Presentation -- Optique Peter			
05:05 08:00	12:05 15:00	18:05 21:00	Break			
			Session Chair: Lee-Jene Lai, NSRRC		Session Chair: Bi-Hsuan Lin, NSRRC	
08:00 08:30	15:00 15:30	21:00 21:30	IP011	Silicon-based Micro- and Nano-fabrication for High Aspect Ratio X-ray Optics Lucia Romano, Paul Scherrer Institut	IP012	Deep Nanoscale X-ray Imaging at NSLS-II Yong Chu, Brookhaven National Lab.
08:30 09:00	15:30 16:00	21:30 22:00	IP013	<i>Operando</i> 3D Strain Dynamics of Noble Metal Catalysts During CO Oxidation Amélie Rochet, LNL	IP014	Automatic and Intelligent Data Processing for Ptychography Yi Jiang, Advanced Photon Source

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09:00 09:20	16:00 16:20	22:00 22:20	CP034	High Resolution 3D Structure of Bumblebee Antennal Sensilla Revealed by X-ray Ptychography Tunhe Zhou Stockholm, Univ. Brain Imaging Centre	CP035	A Flow Cell to Image Reactions at the Solid/Liquid Interface by Scanning X-ray Transmission Microscopy (STXM) Charlie Gosse, IBENS
09:20 09:40	16:20 16:40	22:20 22:40	CP036	Study of Metal-carboxilate Complex from Pinus Elliottii Resin Applied as Antibacterial Pigment Carla Bittencourt , Université de Mons	CP037	Guided Hierarchical X-ray Nano-laminography Enabling High-resolution <i>in Situ</i> Investigation of Damage Nucleation in Alloy Sheets Mathias Hurst, Karlsruhe Institute of Technology

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US CST	EU CET	Asia CST	Wednesday, June 22 [GMT+8]			
19:00 19:30	02:00 02:30	08:00 08:30	Registration/Testing			
			Session Chair: Yao-Jane Hsu, NSRRC			
19:30 20:00	02:30 03:00	08:30 09:00	IS003	Recent Advances in High Dimensional X-ray Microscopy at the Advanced Light Source David Shapiro, Advanced Light Source		
20:00 20:10	03:00 03:10	09:00 09:10	Room Switching			
			Session Chair: Chung-Li Dong, TKU		Session Chair: Ping-Hui Lin, NSRRC	
20:10 20:30	03:10 03:30	09:10 09:30	CP038- WMI22	Shining X-ray Light on the Complex Chemistry of Next-Generation Perovskite Solar Cells Yanqi Luo, Advanced Photo Source	CP039	Information Content of and the Ability to Reconstruct Dichroic X-ray Tomography and Laminography Matthew A Marcus, Advanced Light Source
20:30 20:50	03:30 03:50	09:30 09:50	CP040- WMI22	Adaptable and Efficient Coherent Diffractive Imaging Through Automatic Differentiation Saugat Kandel, Argonne National Lab.	CP041	Deciphering Magnetization Dynamics with Nanoscale Resolution Using Time-resolved Scanning Transmission X-ray Microscopy Thomas Feggeler, Lawrence Berkeley National Lab.
20:50 21:10	03:50 04:10	09:50 10:10	CP042	Nanoscale <i>in Situ</i> Observation of Microcrack Formation in Carbon Fiber-reinforced Plastic (CFRP) under Loading Using Synchrotron TXM Masao Kimura, KEK	CP070	Using Ultrasensitive STXM to Image Spin Transfer Across Interfaces Hendrik Ohldag, Lawrence Berkeley National Lab.

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21:10 21:30	04:10 04:30	10:10 10:30	Break			
21:30 23:00	04:30 06:00	10:30 12:00	Poster & Exhibit Session			
23:00 01:30 [6/22]	06:00 08:30	12:00 14:30	Break			
US	EU	Asia	Session Chair: Way-Faung Pong, TKU			
01:30 02:15	08:30 09:15	14:30 15:15	PL003	Metal Deposition and Stripping Mechanism in Metal Batteries Observed by <i>in-situ</i> Transmission X-ray Microscopy Bing Joe Hwang, National Taiwan Univ. of Science and Technology		
02:15 02:25	09:15 09:25	15:15 15:25	Room Switching			
			Session Chair: Chun-Chieh Wang, NSRRC		Session Chair: Der-Hsin Wei, NSRRC	
02:25 02:45	09:25 09:45	15:25 15:45	CP043	A Lab-based 2D Phase-sensitive Beam-tracking X-ray Micro Computed Tomography System Carlos Felipe Navarrete-Leon, Univ. College London	CP044	Coded Multi-beam X-ray Ptychography Mikhail Lyubomirskiy, DESY
02:45 03:05	09:45 10:05	15:45 16:05	CP045	High-resolution Imaging of Free-breathing Mice with Laboratory Phase-contrast X-ray Tomography Kian Shaker, KTH Royal Institute of Technology	CP046	Table-top Material-specific High-resolution Ptychography at 13.5 nm Wilhelm Eschen, Friedrich-Schiller Univ.
03:05 03:30	10:05 10:30	16:05 16:30	Break			
			Session Chair: Lee-Jene Lai, NSRRC			
03:30 04:15	10:30 11:15	16:30 17:15	PL004	Locating Novel Therapeutic Agents in the Native Cellular Environment Eva Pereiro, ALBA		

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04:15 04:45	11:15 11:45	17:15 17:45	IS004	The TOMCAT X-ray Transmission Microscope: Latest News and Future Plans	
				Anne Bonnin, Paul Scherrer Institut	
04:45 05:05	11:45 12:05	17:45 18:05	Sponsor Presentation -- Thermo Fisher Scientific		
05:05 08:00	12:05 15:00	18:05 21:00	Break		
08:00 08:30	15:00 15:30	21:00 21:30	XRM2026 Presentations		
08:30 08:40	15:30 15:40	21:30 21:40	Room Switching		
US	EU	Asia	Session Chair: Tzu-Hung Chuang, NSRRC		Session Chair: Gung-Chian Yin, NSRRC
08:40 09:00	15:40 16:00	21:40 22:00	CP047	The High-dynamic Cryogenic Sample Stage for the SAPOTI Nanoprobe at the CARNAÚBA Beamline at Sirius/LNLS Renan Ramalho Gerales, LNLS	CP048 Into the Fourth Dimension: Time-resolved Soft X-ray Magnetic Laminography Simone Finizio, Paul Scherrer Institut
09:00 09:20	16:00 16:20	22:00 22:20	CP049	DOSE DAMAGE MITIGATION USING A CRYOGENIC ASSEMBLY AT THE CARNAÚBA-SIRIUS X-RAY NANOPROBE Hélio C N Tolentino, LNLS	CP050 <i>In-situ</i> STXM Characterization of Cu/Cu ₂ O Electrocatalysts for CO ₂ Reduction Chunyang Zhang, McMaster Univ.
09:20 09:40	16:20 16:40	22:20 22:40	CP051	Characterization of Thin Films via Grazing-incidence Diffraction Tomography Esther Tsai, Brookhaven National Lab.	CP052-WMI20 Imaging of Topological Textures in Ferrioc Materials Dmitry Karpov, ESRF
09:40 10:00	16:40 17:00	22:40 23:00	CP053	Design and Simulation of a Coherent Diffractive Imaging Beamline at NSLS-II Yuan Gao, Brookhaven National Lab.	CP012-WMI20 High-resolution Soft-tissue Imaging with a Nanoscopic Table-top X-ray Computed Tomography Setup Simone Ferstl, Veridos GmbH

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US CST	EU CET	Asia CST	Thursday, June 23 [GMT+8]			
19:00 19:30	02:00 02:30	08:00 08:30	Registration/Testing			
			Session Chair: Yao-Jane Hsu, NSRRC		Session Chair: Hung-Wei Shiu, NSRRC	
19:30 20:00	02:30 03:00	08:30 09:00	IP015	High-resolution Orientation Mapping Using Soft X-ray Linear Dichroic Ptychography: Studying Crystal Defects in Biominerals Vanessa Schoeppler, Advanced Light Source	IP016	Recent Advances in Capillary X-ray Optics Wenbing Yun, Sigray Inc.
20:00 20:30	03:00 03:30	09:00 09:30	IP017	XRD Mapping to Understand Battery Degradation Mechanisms Johanna Nelson Weker, SLAC National Accelerator Lab.	IP018	A New STXM Based on Bidirectional Scanning Method at SSRF Xiangzhi Zhang, Shanghai Synchrotron Radiation Facility
20:30 22:00	03:30 05:00	09:30 11:00	Poster & Exhibit Session			
			Session Chair: Cheng-Maw Cheng, NSRRC			
22:00 22:45	05:00 05:45	11:00 11:45	PL005	Speckles in X-ray Microscopy: Variations on a Theme David Paganin, Monash Univ.		
23:00 01:30 [6/23]	06:00 08:30	12:00 14:30	Break & IAC Meeting			
			Session Chair: Chia-Hao Chen, NSRRC		Session Chair: Lee-Jene Lai, NSRRC	
01:30 02:00	08:30 09:00	14:30 15:00	IP019	MHz Microscopy at European XFEL Patrik Vagovič, European XFEL	IP020	Correlative Multi-scale Cryo-imaging Unveils SARS-CoV-2 Assembly and Egress Luiza Mendonça, Univ. of Oxford
02:00 02:20	09:00 09:20	15:00 15:20	CP054- WMI22	Sparse Synthesis for Hyperdimensional X-ray Imaging Zirui Gao, Paul Scherrer Institut	CP055	Coherent X-Ray Diffractive Imaging of a Single Alloy Nanoparticle during a Catalytic Reaction Ivan Vartaniants, DESY

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02:20 02:40	09:20 09:40	15:20 15:40	CP056	Five years of user operation at the NanoMAX beamline Alexander Björling, MAX IV	CP057	Intracellular Cryo-correlative XRF Imaging of Innovative Nano-hybrids Designed for X-ray Photodynamic Therapy Sylvain Bohic, INSERM
02:40 03:00	09:40 10:00	15:40 16:00	CP058	Ptychographic Reconstruction with Wavefront Initialization Peter Modregger, Univ. of Siegen	CP059- WMI22	Time-resolved x-ray scattering tensor tomography for rheological studies Jisoo Kim, Paul Scherrer Institut
03:00 03:30	10:00 10:30	16:00 16:30	Break			
US	EU	Asia	Session Chair: Chia-Hao Chen, NSRRC			Session Chair: Yao-Chang Lee, NSRRC
03:30 03:50	10:30 10:50	16:30 16:50	CP060	Speckle-based Directional Dark-field X-ray Imaging with a Liquid-Metal-jet X-ray Source Ronan Smith, Univ. of Southampton	CP061	X-ray Microscopy Reveals the Secrets of Ancient Dyers Andreas Späth, Friedrich-Alexander-Univ. Erlangen-Nürnberg
03:50 04:10	10:50 11:10	16:50 17:10	CP062	X-ray Ptychography with Spectral Capabilities Redhouane Boudjehem, CNRS	CP063	Investigations of Magnetite Biomineralization with Nano-XANES and Microfluidic Sample Environments Daniel M Chevrier, BIAM
04:10 04:30	11:10 11:30	17:10 17:30	CP013	Machine Learning Denoising of High-Resolution Nanotomography Data Silja Flenner, Helmholtz-Zentrum Hereon		
04:30 08:00	11:30 15:00	17:30 21:00	Break			
US	EU	Asia	Session Chair: Mau-Tsu Tang, NSRRC			
08:00 08:45	15:00 15:45	21:00 21:45	PL006	Imaging of Macromolecules Using X-ray Lasers Henry Chapman, Center for Free-Electron Laser Science		
08:45 08:55	15:45 15:55	21:45 21:55	Room Switching			
			Session Chair: Tzu-Hung Chuang, NSRRC			Session Chair: Hung-Wei Shiu, NSRRC
08:55 09:25	15:55 16:25	21:55 22:25	IP021	Elemental & Chemical Characterization Down to the Single Atom Length Scale by Synchrotron X-ray Scanning Tunneling Microscopy at the APS-XTIP Beamline Volker Rose, Argonne National Lab.	IP022	Revealing Morphological Evolution in Complex Materials for Energy Applications by Multi-Dimensional X-ray Microscopy Karen Chen-Wiegart, Stony Brook Univ.

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US CST	EU CET	Asia CST	Friday, June 24 [GMT+8]			
			Session Chair: Cheng-Maw Cheng, NSRRC		Session Chair: Tzu-Hung Chuang, NSRRC	
01:00 01:30	08:00 08:30	14:00 14:30	IP023	<i>In Situ</i> Setup for Correlative XAS and TEM Imaging	IP024	An Achromatic X-ray Lens
				Christoph Pratsch, HZB		Adam Kubec, Paul Scherrer Institut
01:30 01:50	08:30 08:50	14:30 14:50	CP064	Advances on Sparse Dynamic Scanning in Spectromicroscopy	CP065	Deep Learning X-ray Image Reconstruction
				Alessandra Gianoncelli, Elettra Sincrotrone Trieste		Yuhe Zhang, Lund Univ.
01:50 02:10	08:50 09:10	14:50 15:10	CP066	Resonant Ptychographic X-ray Computed Tomography for the Investigation of the Microstructure of Heterogeneous Samples	CP067	Development of Soft X-ray Ptychography System with Electroformed Wolter Mirror
				Anico Kulow, CNRS		Takashi Kimura, The Univ. of Tokyo
02:10 02:30	09:10 09:30	15:10 15:30	CP068	Multi-aperture Grating for Spectroscopic and Microscopic Imaging with Single-shot Pulse of X-ray Free-electron Laser	CP069	High-speed Analysis of Speckle-based Imaging Data with Unified Modulated Pattern Analysis (UMPA)
				Yoko Takeo, The Univ. of Tokyo		Fabio De Marco, Univ. of Trieste
02:30 03:00	09:30 10:00	15:30 16:00	Break			
			Session Chair: Der-Hsin Wei, NSRRC			
03:00 03:30	10:00 10:30	16:00 16:30	Award Ceremony			
			Juergen Thieme, Brookhaven National Laboratory			
03:30 04:00	10:30 11:00	16:30 17:00	Future Perspectives for X-ray Microscopy			
			X-ray Microscopy: the 'Superpower' of High Resolution in Bulk Biological Matter			
			Tim Salditt, Univ. of Göttingen			
04:00 04:15	11:00 11:15	17:00 17:15	Welcome to XRM2024 (MAX IV)			
			Karina Thånell, MAX IV			
04:15 04:45	11:15 11:45	17:15 17:45	XRM2022 Conference Summary, Announcement of XRM2026			
			Andrea Somogyi, Synchrotron SOLEIL			
04:45 05:00	11:45 12:00	17:45 18:00	Closing Remark, Farewell			