

Program

November 3, 2024 (Sunday)

Registration Open from 9:00-18:00 Location: Outside 1F 102, 1F 105, and 3F South Lounge

Room	1F 105	3F South Lounge		1F 102	
9:30-10:30	Small-angle Scattering for everyone: how to unlock the power of this ancient technique Brian Richard Pauw	9:30-11:30	A school on the use of SAS to study biomacromolecular solutions D. Franke and M. Graewert	9:15-9:25	Welcome canSAS
				9:25-9:45	canSAS intro
				9:45-10:25	Working Group Status Updates
10:30-10:40	Break			10:25-10:45	Discussion
10:40-11:40	Introduction to modelling of small-angle scattering data Jan Skov Pedersen			10:45-11:15	Break
				11:15-11:55	Working Group Status Updates
				11:55-12:15	Discussion
11:40-13:00	Lunch	11:30-13:00	Lunch	12:15-12:25	Group Photo
				12:25-12:40	Lunch
13:00-15:00	SasView - an interactivea tutorial and discussion Paul Butler and Stephen King	13:00-15:00	A school on the use of ATSAS D. Franke and M. Graewert	12:40-13:05	Working LUNCH
				13:05-14:05	Topical Presentations/Discussions
				14:05-14:35	Break
				14:35-15:05	Topical Presentations/Discussions
				15:05-15:45	Discussion
				15:45-16:00	ADJOURN and breakout discussions
16:00-18:00	Reception (4F VIP Room)				



November 4, 2024 (Monday)

Room	1F 101AB (Live streaming: 101CD)								
	SAS2024 Opening Remarks								
8:30-8:40	Welcome by U-Ser Jeng, SAS2024 Chair								
8:40-8:50	Welcome by Chia-Hung Hsu, NSRRC Director								
	Plenary Session								
8:50-9:20	(Chair: U-Ser Jeng) Dynamic mechanisms of DNA repair: from SAXS to XFEL Ming-Daw Tsai								
9:20-10:10	(Chair: Hsiao-Ching Yang) Modeling X-ray and neutron scattering experiments with all-atom molecular simulations Jochen S Hub								
10:10-10:20	Group Photo and Break								
Room	1F 101AB		1F 101CD		1F 102		1F 105		3F South Lounge
BIO-1	Structurally heterogeneous biomacromolecules (Chair: Jung-Hsin Lin/Hsiao-Ching Yang)	MOD-1	Methods, SAS Database-application & standards (Chair: Guan-Rong Huang/Brian Richard Pauw)	COL-1	Gel and Self-assembly (Chair: Ying-Huang Lai/Chien-Lung Wang)	IND-1	Promotion of facility SAS to industry (Chair: Mau-Tsu Tang/Naoto Yagi)	INS-1	Instrumentation and methodology-1 (Chair: Stephen King/Jan Ilavsky)
10:20-10:45	Challenges For Protein Structure Prediction: Strained Geometry And Conformational Flexibility Susan Tsutakawa (Invited Speaker)	10:20-10:45	Chasing Perfection: a holistic approach to materials science scattering experiments Brian Richard Pauw (Invited Speaker)	10:20-10:45	Twin chain* PVA cryogels with controlled tortuosity as advanced materials for cleaning of works of art Piero Baglioni (Invited Speaker)	10:20-10:45	Building a New Range of Facility SAS Application. A Challenge of NanoTerasu Light Source via Industry/Academy Coalition Masaki Takata (Invited Speaker)	10:20-10:45	Advances in Sample Environments for Small-Angle Neutron Scattering Elliot Gilbert (Invited Speaker)
10:45-11:10	Integrating SAXS and MD Simulations to Elucidate RNA Structural Dynamics Serdal Kirmizialtin (Invited Speaker)	10:45-11:00	Empowering SAS scientists through online tutorials and simulation tools Andreas Haahr Larsen	10:45-11:00	Dual-axis aligned thermophilic artificial water channels formed by water-induced self-assembly Chien-Lung Wang	10:45-11:10	SANS Research Activities and Industry-user Promotion at J-PARC MLF Mitsuhiro Shibayama (Invited Speaker)	10:45-11:00	The multi-slit very small angle neutron scattering instrument in China Spallation Neutron Source and its first experimental period He Cheng

Room	1F 101AB	1F 101CD		1F 102		1F 105		3F South Lounge	
11:10-11:25	Full structural models of dinucleotide repeats of single- and double-strand DNA revealed using small- and wide-Angle X-ray scattering with molecular dynamics simulation Johannes Allwang	11:00-11:15	Towards Closing the Autonomous Loop at Multiple Facilities: Developing Web-based User Interfaces and Data Infrastructure for Autonomous Experiments and Automated Data Reduction Workflows Wiebke Koepp	11:00-11:15	Enhanced Optical and Mechanical Properties by Designing Extractable Block Copolymer Nanocomposites Yeo-Wan Chiang	11:10-11:35	Synchrotron Radiation for Industrial Applications - The Taiwan Chapter Mau-Tsu Tang (Invited Speaker)	11:00-11:15	SANS at the ILL: A Cutting-edge Instrumental Suite for New Capacities and Capabilities dedicated to Science Jacques Jestin
11:25-11:35	Break	11:15-11:25	Break	11:15-11:25	Break	11:35-11:45	Break	11:15-11:25	Break
11:35-12:00	Predicting macromolecule structure and dynamics with deep learning and solution scattering Michal Hammel (Invited Speaker)	11:25-11:40	Extracting Particle Conformations Unbiasedly from Small-angle Scattering Spectra Using Orthonormal Basis Expansions Guan-Rong Huang	11:25-11:50	Amphiphile Self-Assembly in Deep Eutectic Solvents Karen Edler (Invited Speaker)	11:45-12:10	Introduction of BioPharma-BioSAXS Beamline at KOREA-4GSR Yeongsik Kim (Invited Speaker)	11:25-11:50	Introduction to in-situ and automatic measurement systems for industrial use of SAXS beamlines in PLS-II Hyungju Ahn (Invited Speaker)
12:00-12:25	Modelling the Detergent Corona Around the Membrane Protein MhsT Javier Perez (Invited Speaker)	11:40-11:55	Introducing the new open-source small-angle X-ray scattering analysis software AUSAXS Kristian Lytje	11:50-12:05	Hydrophobic Eutectic Solvents for Liquid-Liquid Extraction: X-Rays Scattering and Modelling Baptiste Bernicot	12:10-12:35	BioSAXS Beamline to BIOSAXS GmbH Dmitri Svergun (Invited Speaker)	11:50-12:05	The SPB/SFX instrument at the European XFEL - capabilities and scientific use cases in the small angle regime Adam Round
		11:55-12:10	Going to Extraordinary Lengths with SANS Xaver Brems	12:05-12:20	Solvation behavior of alcohols, amines and ionic liquids viewed by small-angle neutron scattering and Raman spectroscopy Laszlo Almasy			12:05-12:20	SMAUG beamline – construction of multipurpose small angle X-ray scattering beamline at SOLARIS National Synchrotron Radiation Centre, Poland Maciej Kozak
12:30-13:30	Lunch (canSAS meeting)	12:30-13:30	Lunch						



Room	1F 101AB (Live streaming: 101CD)								
13:30-14:20	Plenary Session (Chair: Florian Edouard P. Meneau) SAS imaging of life and materials science samples: Scanning SAXS, tensor tomography and ptychographic imaging Oliver Bunk								
14:20-14:30	Break								
Room	1F 101AB		1F 101CD		1F 102		1F 105		3F South Lounge
IMA-1	Imaging with SAS and coherent diffraction-1 (Chair: Yu-Shan Huang/Yi-Wei Tsai)	MOD-2	Structural modeling and results presentation (Chair: Uri Raviv/Javier Perez)	BIO-2	Integrative methodologies for complex structures (Chair: Yun-Ru Ruby Chen/Yu-Chih Lo)	IND-2	Structure evolution in processing procedure (Chair: Chi Wang/Mikihito Takenaka)	MAG-1	Magnetic small-angle scattering (Chair: Lieh-Jeng Chang/Wei-Tin Chen)
14:30-14:55	X-ray imaging of the nanoparticle transformation in solution Dorota Koziej (Invited Speaker)	14:30-14:55	Modelling small-angle X-ray scattering from protein-surfactant complexes: Rims and Hemi-micelles Jan Skov Pedersen (Invited Speaker)	14:30-14:55	Cross-scale Causality in the Cyanobacterial Circadian Clock System Shuji Akiyama (Invited Speaker)	14:30-14:55	BL03XU beamline for evaluating polymer materials in the industrial field Hiroyasu Masunaga (Invited Speaker)	14:30-14:55	Higher-order modulations in the skyrmion lattice phase of Cu₂OSeO₃ Taku J. Sato (Invited Speaker)
14:55-15:10	Combining X-ray Imaging in Absorption, Phase Contrast, and Dark Field with SAXS/WAXS on the Laboratory Scale Scott Barton	14:55-15:20	Structures, Energetics, and Dynamics of Active Tubulin Self-Organization Uri Raviv (Invited Speaker)	14:55-15:20	Integrated use of SAXS/WAXS to uncover hidden structural and dynamic features in proteins Shan-Te Danny Hsu (Invited Speaker)	14:55-15:10	Structural dynamics in crystalline film systems: from picoswitches to photo-triggered storage systems Sumea Klokic	14:55-15:10	Dynamics of a moving magnetic skyrmion lattice in MnSi under an alternating current flow Daisuke Okuyama
15:10-15:25	Small-angle X-ray Scattering Tensor Tomography of Human Lamellar Bone across Multiple Length Scales Torne Tänzer	15:20-15:35	SAXS-revealed nanostructures and drug release of light-responsive poly(ethylene glycol)-grafted liposomes containing doxorubicin Chun-Jen Su	15:20-15:35	An integrative approach unveils a distal encounter site for rPTPε and phospho-Src complex formation Meng-Chiao Ho	15:10-15:25	SAXS studies of Polybutylene Succinate/Cellulose Nanocrystal/Epoxidized Soybean Oil Biodegradable Composite Heng-Chen Lin	15:10-15:25	Magnetic microstructure of nanocrystalline Fe-Nb-B alloys as seen by small-angle neutron and X-ray scattering Venus Rai
15:25-15:35	Break	15:35-15:45	Break	15:35-15:45	Break	15:25-15:35	Break	15:25-15:35	Break

Room	1F 101AB	1F 101CD		1F 102		1F 105		3F South Lounge	
15:35-16:00	Three-dimensional Visualisation of Hierarchical Catalysts with Coherent X-ray Diffractive Imaging Florian Edouard P. Meneau (Invited Speaker)	15:45-16:10	The Small Angle Scattering Biological Data Bank - SASBDB Cy Jeffries (Invited Speaker)	15:45-16:10	BioSAXS using free-electron lasers Clement E. Blanchet (Invited Speaker)	15:35-15:50	Pathway Selection in the Inclusion Complexation of the st-PMMA/C60/Toluene Multi-Component System Kuan-Yi Wu	15:35-16:00	Volumetric Neutron Imaging of Bulk Skyrmion Lattice Structures Dmitry Pushin (Invited Speaker)
16:00-16:15	PtychoSAXS: Combined X-ray ptychography and SAXS imaging for nanostructure characterization Joseph McCourt	16:10-16:25	New features in ATSAS 4.0, a program suite for small angle scattering data analysis Daniel Franke	16:10-16:25	Multi-angle light scattering (MALS) coupled to SAXS data analysis in US-SOMO Emre Brookes	15:50-16:15	Structure evolution of polymer film during uniaxial and biaxial stretching Kunpeng Cui (Invited Speaker)	16:00-16:15	HYMN – A novel unified toolbox for in-situ magnetic hyperthermia experiments using neutron scattering Michał Dembski-Villalta
16:15-16:30	Experiments Detectors and Cloud-Based Data Pipelines to Advance Scattering Based Imaging Max Burian	16:25-16:40	Automated biological SAXS data analysis: proteins, RNA, liposomes Al Kikhney	16:25-16:40	Predicting Protein Profile Parameters by Deep Learning Method in Synchrotron Radiation Small-Angle X-ray Scattering Experiments Qingmeng Li	16:15-16:30	AI-assisted Image Recognition for μ-Beam SAXS/WAXS on Polyacrylonitrile Filament Che-Min Chou		
Flash Talk									
16:50-17:20	(Chair: Chih-Hao Lee) Flash Talk A (15 talks)	16:50-17:20	(Chair: An-Chung Su) Flash Talk B (15 talks)						
Room	Room 201								
17:20-19:00	Poster Session								



November 5, 2024 (Tuesday)

Room	1F 101AB (Live streaming: 101CD)							
8:30-9:20	Plenary Session (Chair: Adrian Rennie) Nanoscale Structure and Magnetism in Ferrite Nanoparticles Sabrina Disch							
9:20-9:30	Break							
Room	1F 101AB		1F 101CD		1F 102		1F 105	3F South Lounge
SPECIAL Session	SAS on semiconductor science and industrial (Chair: Hsin-Lung Chen/Pin-Jiun Wu)	SHC-1	Sow-Hsin Chen Distinguished Lectureship (Chair: Tsan-Yao Chen)	IND-3	Integrated tools for industrial applications (Chair: Ching-I Huang/Hsieh-Chih Tsai)	BIO-3	Assembly and functions of biomolecules (Chair: Jie-Rong Huang/Hui-Chun Cheng)	MAG-2 Magnetism in quantum and spin materials (Chair: Taku J. Sato/Chun-Chuen Yang)
9:30-10:00	Realizing Lithography to 1/40-wavelength Resolution Burn J. Lin (Academician Speaker)	9:30-10:20	Micelle-Assisted and Covalent Bonding-Mediated Formation of Nanoparticle Superlattices Sung-Min Choi	9:30-9:55	Applications of Small-Angle Neutron Scattering in Engineered Materials for Resilient Infrastructure LiPiin Sung (Invited Speaker)	9:30-9:55	Deciphering the Phase Behavior of Prion-Like Low-Complexity Domains using Scattering Approaches Tanja Mittag (Invited Speaker)	Small-angle neutron diffraction, quasielastic and inelastic scatterings on topological magnetic orders Taro Nakajima (Invited Speaker)
10:00-10:25	Nanosheets and CFETs Chee-Wee Liu (Invited Speaker)	10:20-10:30	break	9:55-10:20	Investigating the Localization of Dyes within Surfactant Micelles using CV-SANS Ralf Schweins (Invited Speaker)	9:55-10:10	Human Cep57 regulates the centrosome through liquid-liquid phase separation Hui-Chun Cheng	Magnetic chirality & coupled order – insight via polarized GISANS Annika Stellhorn
10:25-10:50	Coherent Surface Scattering and Holographic Imaging in Grazing-Incidence and Reflective Geometry Jin Wang (Invited Speaker)	SHC-I	SHC Memorial session (Chair: Yun Liu/Wei-Ren Chen)	10:20-10:35	Operando SANS studies on the desalination of wastewater by reverse osmosis technology - membrane morphology, surface scaling and fouling Dietmar Schwahn	10:10-10:25	The Role of Proline Residues in Prion-like Polypeptide Oligomerization and Liquid-Liquid Phase Separation: Implications for Amyloid Disruption Min-Yeh Tsai	Grazing incidence small angle X-ray scattering and reflectivity study of a magnetic thin film with anti-dot nanostructure array Chih-Hao Lee

Room	1F 101AB	1F 101CD		1F 102		1F 105		3F South Lounge	
10:50-11:00	Break	10:30-10:35	Opening	10:35-10:45	Break	10:25-10:35	Break	10:25-10:35	Break
11:00-11:25	Small Angle X-ray Scattering for the Semiconductor Industry R. Joseph Kline (Inited Speaker)	10:35-11:00	How Neutron and X-ray Scattering can Contribute to Art Conservation Piero Baglioni	10:45-11:10	Nanoscope Identification and Labeling for Commercialization Processes and Industrial Production of Nanotechnological Products Semra Ide (Inited Speaker)	10:35-11:00	How do plants sense temperature? Nanostructure characterization of biological hydrogels formed by the prion-like domain EARLY FLOWERING 3 Mark D. Tully (Inited Speaker)	10:35-11:00	Near-Surface SANS: Probing Nanoscale Magnetic Correlations in Thin Films Grace L. Causer (Inited Speaker)
11:25-11:50	A X-ray Scattering Based Metrology for Semiconductor Manufacturing Wei-En Fu (Inited Speaker)	11:00-11:25	Scattered Reflections on the Achievements of an Enduring Scientific Mentor Michael Kotlarchyk	11:10-11:25	Strucutre and Transport of PS-b-PAA Micelles Incorporating U(VI): A SAXS Study Qiang Tian	11:00-11:15	Complexes of tubulin oligomers and tau form a viscoelastic intervening network cross-bridging microtubules into bundles Phillip Kohl	11:00-11:15	Signature of surface anisotropy in the spin-flip neutron scattering cross section of spherical nanoparticles: Atomistic simulations and analytical theory Michael Adams
11:50-12:05	Hybrid Photon Counting as an enabling technology for in-fab critical dimension small angle X-ray scattering Marcus Mueller	11:25-11:50	Advancing Neutron Scattering to Explore Nano-scale Physics in Energy Systems Li Liu	11:25-11:40	Development of advanced radiation-grafted membranes for fuel cells through a deep understanding of structure-property relationships Yue Zhao	11:15-11:30	BioSAXS-derived mechanisms for differential regulation of Rab GTPases by site-specific monoubiquitination Sangho Lee	11:15-11:30	The dendritic morphology impacts superconductivity in the nanoscale Min Kai Lee
				11:40-11:55	Revealing Dynamic Structure Tranformation of Unique 2D Perovskite Nanomaterials Di-Yan Wang			11:30-11:45	Poster Magnetic ordering state in Fe nanoparticle assembly measured by small-angle neutron scattering Kosuke Hiroi
12:10-13:10	Lunch (DECTRIS lunch session)	12:10-13:30	Lunch						



Room	1F 101AB (Live streaming: 101CD)								
13:30-14:20	Plenary Session (Chair: Kazuo Sakurai) Antimicrobial Peptides: Insights into Lipid Interactions, Assembly, and Mode of Action through Scattering Techniques Reidar Lund								
14:20-14:30	Break								
Room	1F 101AB		1F 101CD		1F 102		1F 105		3F South Lounge
KIN-1	Structural evolution, gelation, and Rheo-SAS (Chair: Jung-Ren Huang/Hong-Cheu Lin)	SHC-2	SHC Memorial session (Chair: Yun Liu/Wei-Ren Chen)	POL-1	Polymer physics (Chair: Chieh-Tsung Lo/Beyongdu Lee)	BIO-4	Biomedical SAS (Chair: Shu-Ying Wang/Michal Hammel)	IMG-2	Imaging with SAS and coherent diffraction-2 (Chair: Gung-Chian Yin/Ying-Chieh Chen)
14:30-14:55	Flow-field – structure interaction across length scales from new RheoSAXS based experiments Roland Kádár (Invited Speaker)	14:30-14:55	Unusual Dynamics of Tetrahedral Liquids Caused by the Competition between Dynamic and Structural Heterogeneity Yang Zhang	14:30-14:55	Utilization of 3D morphology dissection and synchrotron micro-beam X-ray diffraction on periodic assembly in polymeric crystals Eamor M. Woo (Invited Speaker)	14:30-14:55	Lipid Self-Organization in the Context of Membrane Protein Research and Drug Delivery Volker Urban (Invited Speaker)	14:30-14:55	Space and time domain super-resolution coherent diffraction imaging with extreme lights Changyong Song (Invited Speaker)
14:55-15:10	Exploring the Microstructural Behaviour of Proton Exchange Membranes: Insights from Rheo-SWAXS Santiago Fernandez Bordin	14:55-15:20	Applications of SANS with Contrast Variation in Biomedical Research: From Membrane Proteins to Drug Delivery Xiangqiang Chu	14:55-15:10	Distortion of the Close-packed Lattices of Block Copolymer Micelles Aditya Sahare	14:55-15:10	Structural Characterization of Lipid Nanoparticles as mRNA Drug Delivery System using Synchrotron Small-Angle X-Ray Scattering Na Li	14:55-15:20	SAXS/WAXS imaging opportunities in cultural heritage science Sylvio Haas (Invited Speaker)
15:10-15:25	Dual-level tetragonal packing of DNA-wrapped F127 micelles as revealed via Rheo-SAXS Vo Thuy Thien Ngan	15:20-15:45	My life and work at MIT with Prof. Sow-Hsin Chen Cheng-Si Tsao	15:10-15:25	Crystallization in Confined Microdomains Formed by Blends of An Amorphous-Crystalline Block Copolymer and An Amorphous Block Copolymer Chieh-Tsung Lo	15:10-15:25	Margination and Alignment of Anisotropic Microparticles from Spatially Localised SAXS Measurements in a Model of Blood Flow Christopher Garvey	15:20-15:35	High-resolution imaging of organic and inorganic nanoparticles at a nanometre resolution by X-ray ensemble diffraction microscopy Chien-Chun Chen

Room	Room 201
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17:20-19:00	Poster Session
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November 6, 2024 (Wednesday)

Room	1F 101AB (Live streaming: 101CD)								
8:30-9:20	Plenary Session (Chair: Theyencheri Narayanan) Insights into Defective Lyotropic Phase Structures with Small Angle Scattering and Machine Learning Wei-Ren Chen								
9:20-9:30	Break								
Room	1F 101AB		1F 101CD		1F 102		1F 105		3F South Lounge
MOD-3	AI and machine learning in SAS (Chair: Ching-I Huang/Chun-Chieh Wang)	COL-2	Gel and Self-assembly-2 (Chair: Hsin-Yun Hsu/Mitsuhiro Shibayama)	IND-4	SAS applications in pharmaceuticals (Chair: Kun-Song Lin/Shu-Yi Lin)	SUR-1	Organic/Inorganic functional thin films-2 (Chair: Cheng-Liang Liu/Chu-Chen Chueh)	INS-2	Instrumentation and methodology-2 (Chair: Charlie Wu/Yoshie Otake)
9:30-9:55	Computational methods for analyzing small angle scattering data from soft materials Arthi Jayaraman (Invited Speaker)	9:30-9:55	Using Small Angle Scattering to Understand Dipeptide-based Materials Dave J. Adams (Invited Speaker)	9:30-10:00	A Drug-delivery Platform with Mesoporous Silica Nanoparticle for Brain Tumor Chung-Yuan Mou (Academician Speaker)	9:30-9:55	Optimizing Energy Materials with In Situ GISWAXS Heinz Amenitsch (Invited Speaker)	9:30-9:55	The reborn archetypal SANS instrument D11@ILL in Grenoble Sylvain Prévost (Invited Speaker)
9:55-10:20	Machine-learning-assisted Analysis of Small Angle X-ray Scattering Shun Yu (Invited Speaker)	9:55-10:20	Structure and Dynamics of Thermoreversible Physical DNA Hydrogels Mitsuhiro Shibayama (Invited Speaker)	10:00-10:25	Traceable characterization of biomedical nanoparticles using SAXS Christian Gollwitzer (Invited Speaker)	9:55-10:10	Monitoring electrochemically mediated growth of nanoporous films by operando GISAXS Philipp Aldo Wieser	9:55-10:20	Bilby - and Australian time-of-flight Small Angle Neutron Scattering instrument: nearly decade in operation. Successes in both, soft and hard matter study Anna Sokolova (Invited Speaker)
10:20-10:35	Development of AI-Assisted Small-Angle Scattering Data Analysis Framework using Galaxy Platform Changwoo Do	10:20-10:35	Phase Transition and Gelation in Cellulose Nanocrystal-based Aqueous Suspensions Studied by SANS Yuan Xu	10:25-10:40	Lipid Nanoparticle Phase Transitions Investigated Through High Throughput Laboratory SAXS Josue San Emeterio	10:10-10:25	Improving Thermal/Photo/Underwater-Stability of Polymer Solar Cells by Interface Engineering Chu-Chen Chueh	10:20-10:35	Small Angle Scattering at the European Spallation Source Andrew Jackson
10:35-10:45	Break	10:35-10:45	Break	10:40-10:50	Break	10:25-10:35	Break	10:35-10:45	Break



Room	1F 101AB		1F 101CD		1F 102		1F 105		3F South Lounge
10:45-11:10	Generating realistic scientific image data with stable diffusion and continuous human feedback Alexander Hexemer (Invited Speaker)	10:45-11:10	Castor Oil bio-based gels as solvent confining and VOCs/hydrocarbons sorbent media Emiliano Fratini (Invited Speaker)	10:50-11:15	Exogenous Lung Surfactant as a Drug Delivery Vehicle Through the Optics of Scattering Techniques Daniela Uhríkova (Invited Speaker)	10:35-11:00	The evolution of bulk heterojunction to p-i-n active layer structures and fullerene to small molecule acceptor for organic Photovoltaics probed with small-angle X-ray scattering Kung-Hwa Wei (Invited Speaker)	10:45-11:10	A Variety of Neutron Detections for Industrial Use, Prepared on a Sample Table Satoshi Koizumi (Invited Speaker)
11:10-11:25	Physics-Informed Machine Learning for Multimodal Analysis Tanny Andrea Chavez Esparza	11:10-11:25	Phytic Acid-Mediated Guanosine Supramolecular Hydrogels: Structure-Property Relationships and the Controlled Drug Release Hsin-Yun Hsu	11:15-11:30	Scattering Function of a Polysaccharide-Nucleotide Complex Containing Two DNA Molecules Used for DDS Kazuo Sakurai	11:00-11:15	Soft matter thin films under pressure: a morphological investigation under Grazing Incidence Neutron Scattering Apostolos Vagias	11:10-11:25	Grazing Incidence Small-Angle Neutron Scattering (GISANS) for the Analysis of Nanostructural Alterations in Perforated Polymer Films Chun-Ming Wu
11:25-11:40	Structure Formation in Functional Films Based on Sustainable Biohybrid Composites Revealed by Machine-Learning-Supported Grazing-Incidence X-ray Scattering Julian Eliah Heger	11:25-11:40	Rheo-SANS study on rheological behavior observed in cationic gemini-type surfactant solution without salt Hiroki Iwase	11:30-11:45	Investigation of bone healing in the additive manufactured Ti6Al4V screw with chemical surface modification using non-destructive X-ray techniques E-wen Huang	11:15-11:30	Asymmetric Side Chain Engineering on the Orientations of Semiconducting Polymers Yan-Cheng Lin	11:25-11:50	Scattering From Hyperpolarized and Spin-Manipulated Molecular Solutions and Complex Fluids—Simulation, Theory, and Feasibility Michael Kotlarchyk (Invited Speaker)
						11:30-11:45	Structure and dynamics in conductive PEDOT:PSS/cellulose nanocomposite films Lucas Kreuzer		
11:50-12:50	Lunch (Xenocs lunch session)	11:50-12:50	IUCr cSAS open meeting						



Room	1F 101AB (Live streaming: 101CD)								
13:00-13:50	Plenary Session (Chair: Frank Gabel) Bio-SAS for Next Generation - samples are in solution - Masaaki Sugiyama								
13:50-14:40	Guinier Prize Award Presentation and Lecture (Chair: Jan Illavsky) SAS Studies of Hierarchically Self-Organized Nano-Particles in Polymers under Externally Applied Energy Flow: From Cascade Evolution of Dissipative Structures to Order Takeji Hashimoto								
14:40-15:40	SAS2030 bid proposal presentations (Chair: U-Ser Jeng)								
15:40-15:50	Break								
Room	1F 101AB	1F 101CD		1F 102		1F 105		3F South Lounge	
SUR-2	Organic/inorganic functional thin films (Chair: Ya-Sen Sun/Yen-Ju Cheng)	CON-1	Nature and biomimetic materials (Chair: An-Chung Su/Rong-Ming Ho)	COL-3	Colloids and Self-Assembly (Chair: Jitendra Mata/Bhanu Nandan)	BIO-5	Contrast SAS on multidomain structures (Chair: Shang-Te Danny Hsu/Shih-Che Sue)	KIN-2	Dynamics in multiple time scale (Chair: Yi-Fan Chen/Changwoo Do)
15:50-16:15	In Situ and Operando Grazing-Incidence Scattering Studies on Organic-Inorganic Functional Thin Films for Solar Cells Peter Müller-Buschbaum (Invited Speaker)	15:50-16:15	Network Phases from Block Copolymer Self-Assembly for Biomimetic Materials Rong-Ming Ho (Invited Speaker)	15:50-16:15	Formation of Monodisperse Poly (acrylic acid) Particles Made by Radical Precipitation Polymerization Kazuo Sakurai (Invited Speaker)	15:50-16:15	Contrast variation in Bio-SAXS/SANS: recent advances and perspectives Frank Gabel (Invited Speaker)	15:50-16:15	Tales of two tails: Insights into the hierarchical dynamics in lipid membranes from the molecular to the mesoscale Elizabeth Kelley (Invited Speaker)
16:15-16:40	Understanding the crystalline and amorphous morphology of organic solar cells using grazing-incidence small-angle X-ray and neutron scattering techniques Xinhui Lu (Invited Speaker)	16:15-16:40	The Importance of SAXS Analysis for Microscopical Biomimetics in the Fabrication of Silk-based Sustainable Products Taiyo Yoshioka (Invited Speaker)	16:15-16:40	Structure Characterization of Supramolecular Polyhedra by Small-Angle X-ray Scattering Yi-Tsu Chan (Invited Speaker)	16:15-16:30	Studying protein conformation fluctuations by the hydrogen deuterium exchange using SANS Yun Liu	16:15-16:40	The ILL Neutron Spin Echo Suite Peter Falus (Invited Speaker)
16:40-16:50	Break	16:40-16:50	Break	16:40-17:05	Break	16:30-16:55	Novel Approaches for the Small-Angle Scattering Investigation of Intrinsically Disordered Proteins Pau Bernado (Invited Speaker)	16:40-16:50	Break



Room	1F 101AB		1F 101CD		1F 102		1F 105		3F South Lounge
16:50-17:15	Innovative Functional Materials: Fundamental and Applications Pi-Tai Chou (Invited Speaker)	16:50-17:15	Shining new light on cellulose microfibril nanostructure—still counting the chains after 100 years Hwan-Ching Tai (Invited Speaker)	17:05-17:20	The Role of Ions in the Interaction and Swelling Behavior of pNIPAM Microgels Urs Gasser (Invited Speaker)	16:55-17:05	Break	16:50-17:15	Advances in Synchrotron Scattering Methods for Probing the Out-of-Equilibrium Dynamics of Colloids Theyencheri Narayanan (Invited Speaker)
17:15-17:40	Molecular Orientation and Structure Controls from Film Surface for Organic Electronics Keisuke Tajima (Invited Speaker)	17:15-17:40	The nanostructure of plant biomass from anisotropic X-ray/neutron scattering Yoshiharu Nishiyama (Invited Speaker)	17:20-17:35	Illuminating Biosystem Interfacial Interactions and Structure Dynamics in Aqueous via SWAXS and SWANS Hsiao-Ching Yang	17:05-17:30	Two Biomembrane Problems Solved by SAS Huey W. Huang (Invited Speaker)	17:15-17:40	Small-angle XPCS at APS-U: A telescopic view of hierarchical structure dynamics in both space and time Qingteng Zhang (Invited Speaker)
17:40-17:55	Elucidating Structure-Property-Performance Relationship of C-Shaped Fused-Ring nonfullerene Acceptors for Highly Efficient Organic Photovoltaics Yen-Ju Cheng	17:40-17:55	3D visualization of nanoscale cellulose properties in B. pendula by combined SWAXS and high-resolution microtomography Mira Viljanen	17:35-17:50	Self-Assembly in Block Copolymer/Nanoparticle Mixtures Bhanu Nandan	17:30-17:55	Applications of Small Angle Scattering in Structural and Kinetic Analyses of Lipid Nanoparticles Mu-Ping Nieh (Invited Speaker)	17:40-17:55	Investigating magnetic nanoparticles dynamics with X-ray photon correlation spectroscopy to enhance contrast in medical imaging Simone Sala
						17:55-18:10	Unexpected asymmetric distribution of cholesterol and phospholipids in equilibrium model membranes Lionel Porcar		



November 7, 2024 (Thursday)

Room	1F 101AB (Live streaming: 101CD)								
8:30-9:20	Plenary Session (Chair: Jan Skov Pedersen) Self-Assembly of Nanomaterials Marianne Imperor-Clerc								
9:20-9:30	Break								
Room	1F 101AB		1F 101CD		1F 102		1F 105		3F South Lounge
COL-4	Assembly of colloidal nanoparticles (Chair: De-Hao Tsai/Di-Yan Wang)	POL-2	Hierarchical structures of polymers and composites (Chair: Che-Yi Chu/Christopher Bates)	INS-3	Instrumentation and methodology-3 (Chair: Jia-Jhen Kang/Andrew Clulow)	CON-2	Condensed materials (nanoparticles, high-entropy alloys) (Chair: Tsai-Fu Chung/Cheng-Yu Wang)	KIN-3	Kinetics in multiple time scale (Chair: Michitoshi Hayashi/Chiao-Hung Du)
9:30-9:55	SAXS Analysis of Colloidal Crystals Engineered with DNA Byeongdu Lee (Invited Speaker)	9:30-9:55	Scattering studies on morphologies with high packing frustration in block copolymers Moon Jeong Park (Invited Speaker)	9:30-9:55	Recent Developments for Automated Small-Angle Scattering at the BioSAXS Beam Line BL4-2 at SSRL Thomas Weiss (Invited Speaker)	9:30-9:55	Small Angle Scattering for Advanced Manufacturing Fan Zhang (Invited Speaker)	9:30-9:55	Following and controlling formation and function of self-assembled strongly-coupled nanocrystal superlattices Naomi Ginsberg (Invited Speaker)
9:55-10:10	SAXS Study for Investigating 3D Nanoparticle Packing Structure of Pt Catalyst on Gd-Doped CeO₂ Supports for Fuel Cells Tomoyuki Iwata	9:55-10:20	From Self-Assembly Structure to Meso/Microporous Structure by using SAXS analyses Shiao-Wei Kuo (Invited Speaker)	9:55-10:20	Sort & Scatter: Multifaceted Characterization of Nanoparticles and Proteins by Coupling Solution SAXS with Field-Flow Fractionation (FFF) Melissa Graewert (Invited Speaker)	9:55-10:10	Diffusional-structural formation of nanoclusters in dilute MgYZn alloys examined by combined use of SWAXS and EXAFS Hiroshi Okuda	9:55-10:20	Nonclassical nucleation pathways revealed by SAXS and WAXS Bert Nickel (Invited Speaker)
10:10-10:25	Self-ordered colloid of surfactant-free hard ferromagnetic hexaferrite nanoplatelets: SAXS study Andrei Chumakov	10:20-10:30	Break	10:20-10:35	Sample environments available at CoSAXS beamline: a multifunctional toolbox for bioSAXS studies Fátima Herranz-Trillo	10:10-10:25	In-situ SAXS characterization of pre-ageing and paint-baked ageing precipitation strengthening on AA6061 (Al-Mg-Si-Cu) alloys subjected to prolonged natural secondary ageing processes Tsai-Fu Chung	10:20-10:30	Break



Room	1F 101AB		1F 101CD		1F 102		1F 105		3F South Lounge
10:25-10:35	Break	10:30-10:55	ASAXS Analyses on Hierarchical Structures of Rubber/Filler Systems Mikihito Takenaka (Invited Speaker)	10:35-10:45	Break	10:25-10:35	Break	10:30-10:55	Hydration Water Dynamics in the Vicinity of Biomolecules and Biocompatible Molecules Hideki Seto (Invited Speaker)
10:35-11:00	Hyperordered Superlattices of Colloidal Quantum Dots for Future Electronics and Photonics: The Vital Role of Small-angle Scattering Satria Zulkarnaen Bisri (Invited Speaker)	10:55-11:10	Magnetic-Field Induced Order-Order Transition from Hexagonally Packed Cylinders to Squarely Packed Cylinders in a Diblock Copolymer/Nanoparticle Nanocomposite Che-Yi Chu	10:45-11:10	BioSAXS - The Future of Solution Scattering at the Australian Synchrotron Andrew Clulow (Invited Speaker)	10:35-11:00	Investigations on commercial VDMØ Alloy 780 high-temperature alloys for gas turbines using SANS and complementary methods Ralph Gilles (Invited Speaker)	10:55-11:20	Real-time Dynamics of Soft Matter by X-ray Photon Correlation Spectroscopy Felix Lehmkuhler (Invited Speaker)
11:00-11:15	Nucleation-induced Self-Assembly: a ubiquitous formation pathway towards ultrathin colloidal nanoplatelets Benjamin Abecassis	11:10-11:25	Exploring the structural properties of piezoresistive nanocomposites with bidisperse carbon nanofillers Timur Tropin	11:10-11:25	Solution protein structure and time-resolved analysis by BioSAXS at SPring-8 Satoshi Nagao	11:00-11:15	In-situ and Ex-situ SAXS Analyses of Hard Carbon Materials for Sodium-ion batteries Chunzhen Yang	11:20-11:35	Development of a new technique for the study of dynamics ~ Small-angle X-ray Blinking (SAXB) ~ Katsuaki Inoue
		11:25-11:40	Distribution of Oriented Lamellar Structures in Injection-Molded High-Density Polyethylene Visualized via SAXS-CT Method Hiroki Ogawa	11:25-11:40	New developments for BioSAXS on SWING beamline at Synchrotron SOLEIL Aurélien Thureau				

Depart for NSRRC tour (to-go lunch box provided)

11:20-11:50	NSRRC tour bus departure (departs from TICC South Gate)
13:00	NSRRC Arrival
13:30-15:45	NSRRC beamline tour (departs from NSRRC activity center, D260)
15:50	Bus departure to the Banquet (or Dazhi MRT Station for those who didn't sign up for the banquet)
18:00	Banquet at the Silks Palace
21:30	Bus departure back to TICC



November 8, 2024 (Friday)

Room	1F 101AB	1F 101CD	1F 102	1F 105	3F South Lounge
SUR-3	Heterogeneous interface scattering and reflectivity (Chair: Tzu-Yen Huang/Hsiung Chou)	POL-3 Biopolymer and environmental application (Chair: Shih-Huang Tung/Dietmar Schwahn)	BIO-6	INS-4 Instrumentation and methodology-4 (Chair: Adrian Rennie/Paul Butler)	COL-5 Assembly, precipitates, and aggregates (Chair: Felix Lehmkuhler/Fan Zhang)
8:30-8:55	Temperature/Solvent Annealing Effect on Nanostructure of Ionomer Thin Films Revealed by Multi-Probe Experiments Norifumi L. Yamada (Invited Speaker)	8:30-8:55 Structural Characterisation of Silk Fibroin Based Hydrogels Using Small and Ultra-Small Angle Neutron Scattering Techniques Jitendra Mata (Invited Speaker)	8:30-8:55 Structural evolution of meat analogues during high moisture extrusion Wim Bouwman (Invited Speaker)	8:30-8:55 Advancements, Opportunities, and Challenges in the New Generation of USAXS Instruments Jan Ilavsky (Invited Speaker)	8:30-8:55 Aquaporin Z incorporation into proteoliposomes and complex lipid nano-assemblies Jacob Judas Kain Kirkensgaard (Invited Speaker)
8:55-9:20	Understanding the role of hydrogen in the phase transitions of nickelate systems Laura Guasco (Invited Speaker)	8:55-9:10 Linking the Ligand Shell Structure of Nonpolar Nanoparticles to their Colloidal Stability Bart-Jan Niebuur	8:55-9:20 Structural properties of vegetable oil/water emulsions stabilized by pea protein Eleonora Olsmats (Invited Speaker)	8:55-9:20 The Development of Biomaterials Research at I22 Nick Terrill (Invited Speaker)	8:55-9:20 Exploring Self-Assembly using Multifacility, Concurrent SAXS and SANS on the Autonomous Formulation Laboratory Peter Beaucage (Invited Speaker)
9:20-9:35	Impact of the degree of curvature on the phase separation in lipid bilayer Olena Kyzyma	9:10-9:25 Analysis of Internal Structure of Microbially Produced Polyesters under Drawing Masato Arakawa	9:35-9:45 Break	9:20-9:35 ForMAX – a beamline for multiscale and multimodal structural characterization of hierarchical materials Vahid Haghighat	9:20-9:35 The effect of serine (S) amino acid in the PRWG lipopeptide: from unusual changes in the nanostructure self-assembly to glyphosate pesticide detection enhancement Barbara Gerbelli
9:35-9:45	Break	9:25-9:35 Break		9:35-9:45 Break	9:35-9:45 Break
9:45-10:10	X-ray and Neutron Reflectometry on the Adsorbed Polymer Layer and Its Interfacial Structure with a Polymer Thin Film Naoya Torikai (Invited Speaker)	9:35-10:00 Structural Investigation of Human Hair Using a Multifactorial Approach Cristiano Oliveira (Invited Speaker)	9:45-10:10 Gluten versus gluten-free pasta: a structural analysis Judith Houston (Invited Speaker)	9:45-10:10 SAXS/WAXD Beamline with Anton Paar SAXSpoint 5.0 at NanoTerasu Maiko Nishibori (Invited Speaker)	9:45-10:10 Observing the Nanoaggregates in the Electrolytes By Small-Angle X-Ray Scattering Tao Li (Invited Speaker)

Room	1F 101AB	1F 101CD		1F 102		1F 105		3F South Lounge	
10:10-10:25	Molecular-Weight Effects of a Homopolymer on the AB- and ABC-stacks of Perforations in Block Copolymer/ Homopolymer Films Ya-Sen Sun	10:00-10:15	Human hair microstructural study by spin contrast variation SANS Yohei Noda	10:10-10:25	Small and ultra-small angle neutron scattering investigation of acid- and/or pepsin-induced milk coagulation and degradation of milk curd by pepsin Mengxiao Yang	10:10-10:25	Next Level Grazing Incidence, Part I: Standardization of Calibration and Alignment for Grazing Incidence Small-Angle (X-ray) Scattering Anja Franziska Hörmann	10:10-10:25	Mechanism, structural evolution and Kinetic Study of Phase transformation of High Entropy Alloy Clustering in Polymetallic MOF Pyrolysis Cheng-Yu Wang
10:25-10:40	Laser Pump - X-ray Probe studies on liquid interfaces at LISA P08 Petra III Svenja Hövelmann	10:15-10:30	Small-angle X-ray scattering and hair conditioners: From model systems to commercial products Pedro Leonidas Oseliero Filho	10:25-10:40	Structural characterization of emulsion casein gels across varied processing temperatures using SAXS and WAXS Ester Pastrana	10:25-10:40	On the usage of anomalous SAXS to analyse the structure and composition of bimetallic nanoparticles and quantum dots Armin Hoell	10:25-10:40	Small-angle X-ray scattering as a powerful tool to characterize ultrasmall nanoparticles of noble metals Oleg Prymak
10:40 - 10:50	Break								
Room	1F 101AB (Live streaming: 101CD)								
10:50-11:40	Plenary Session (Chair: An-Chung Su) Macromolecular Metallurgy of Block Copolymer Hsin-Lung Chen								
11:40-12:00	IUCr/AOF/Paper/Poster/Otto-Kratky Prize awarding ceremony, SAS Conference Baton Transfer, and Closing								
	Lunch								
13:00	Optional Excursion departure from TICC South Gate								

Flash Talk Program

November 4, 2024 (Monday) Room 101AB

Chair: Chih-Hao Lee

Order	Poster Number	Speaker	Title
1	PH-06	Shang-Wei Lin	Probing the Self-assembly of Metal-Organic Framework by Molecular Dynamics Simulation
2	PA-24	Andrew Jackson	Hydration in Deep Eutectic Solvents and Protein Conformation
3	PA-20	Liliana de Campo	Hydrocarbon-Fluorocarbon Patterns in the Membranes of Star-polyphile Mesophases
4	PA-15	Isamu Akiba	Self-assembled Structures of Phospholipid-Amphiphilic Cyclic Peptide Mixtures Explored by SAXS and SANS in Combination with Field-Flow-Fractionation
5	PH-03	Uri Raviv	Mechanism of Virus Capsid Assembly and Disassembly
6	PA-10	Ioanna Chazapi	Hierarchical nanocomposites films elaborated by filtration of anisometric clay particles
7	PA-06	Rainer T. Lechner	Supercrystal Properties studied by in-situ SAXS: From Nanometers to Micrometers
8	PH-01	Taiki Hoshino	Temporal orientational order fluctuations in rod-like colloidal particles near the liquid crystal phase transition studied by coherent X-ray scattering
9	PA-05	Cristiano Oliveira	Advanced Structural Characterization of Lyotropic Liquid Crystals by Small Angle X-Ray Scattering
10	PA-04	Juanita Francis	Combining SANS and optical spectroscopies to investigate assembly mechanisms in silk proteins
11	PA-03	Dietmar Schwahn	Polymorphic Phase Transition in low Monomolecular Liquids above and below the Critical Point
12	PA-02	Andrew Clulow	Modulation of Alkylglyceride Crystallisation at Oil-water Interfaces by Milk Proteins
13	PH-08	Thuy Thien Ngan VO	Dual-level hexagonal-within-tetragonal packing of DNA-wrapped F127 micelles as revealed via Rheo-SAXS

November 4, 2024 (Monday) Room 101CD

Chair: An-Chung Su

Order	Poster Number	Speaker	Title
1	PF-15	U-Ser Jeng	Sequence and composition dependent helical conformation of short dipeptide repeats of (GR)25-x(GP)x revealed using SEC-SWAXS
2	PF-08	Nicholas Engel	Small-Angle X-Ray Scattering for Traceable Characterization of LNPs and Liposomes
3	PJ-02	Gerhard Popovski	Small Angle Scattering Data Evaluation of Particulate Structures Using Bead Models without Predefined Grid
4	PF-22	Joanna Slawek	How does metal replacement affect enzyme stability in extreme conditions – comprehensive SAXS, cryoEM and XRD studies of glucose/xylose isomerase from <i>Streptomyces rubiginosus</i> .
5	PJ-10	Glen Smales	DACHS: Database for Automation, Characterisation, and Holistic Synthesis
6	PF-12	Joshua Del Mundo	Refinement of AlphaFold predictions using small-angle X-ray scattering
7	PJ-04	Kas Andrie	Using a FEM based Maxwell solver and RSoXS measurement for the reconstruction of nanostructures
8	PF-16	Christopher Garvey	In hospice Architectural Dynamics of Photosynthetic Thylakoid Membranes during Simulated Coral Bleaching by Small Angle Neutron Scattering
9	PF-13	Dmytro Soloviov	Order-disorder effects in lipid bilayers induced by cyclic electric fields
10	PF-02	Sat Septian Dwitya	Preparation and Characterization of Polydopamine-coated Cobalt Ferrites Using SAXS/SANS with Protein Encapsulation
11	PG-09	Andreas Keilbach	Evaluating the Specific Surface Area by Small-Angle X-ray Scattering
12	PF-25	Emre Brookes	A website for fast ensemble modeling optimizing the fit of AlphaFold or user-supplied protein structures with flexible regions to SAXS data
13	PJ-09	Theyencheri Narayanan	Magnetic Field Induced Assembly and Dynamics of Silica-Nickel Janus Particles
14	PF-01	Kaun-Hsuan Su	Operando Small-angle X-ray and Neutron Contrast Variation Scattering to Unveil the Protein Dynamic Personalities
15	PF-10	Ming-Tao Lee	Lipid vesicle aggregation and fusion induced by penetratin

November 5, 2024 (Tuesday) Room 101AB

Chair: Chih-Hao Lee

Order	Poster Number	Speaker	Title
1	PB-23	Nan-Ching Huang	Hierarchical Structures of Conducting Polymer-graft-Clay Nanohybrids
2	PB-16	Babak Nouri	Influence of Wet-Brush Homopolymer Molecular Weight on the Micelle Packing in Block Copolymer/Homopolymer Blends
3	PE-07	Je-Wei Chang	Small- and wide-angle X-ray scattering from photonic structures of Scarabaeoidea beetles
4	PB-25	Pablo Mota Santiago	Assessing the interconnection between the microstructure of carbon fibres and the processing parameters
5	PB-02	Cheng-Hao Liao	PEO-Based Solid Polymer Electrolyte Enhanced by Recombinant Spider Silk for All-Solid-State Lithium Battery
6	PB-01	Ralf Schweins	Micelle Formation of Block Copolyelectrolytes in the Presence of Counterions
7	PB-04	Ndumiso Vukile Mdlovu	Microstructural Characterization of Stimuli-/Thermo-Responsive Pluronic F127 Based Nanocomposites for Drug Controlled Release Using SAXS/SANS
8	PB-03	Qi Zhang	Characterization of chemical/structural information of latent image via critical-dimension resonant soft X-ray scattering
9	PE-05	Thomas Dorin	Unravelling the Formation of Core-Shell Precipitates in Aluminium Alloys: A Novel Approach via Anomalous Small Angle X-Ray Scattering
10	PB-33	Yi-Chun Liu	Synthesis of PDMS Block and Graft Copolymers by RAFT Polymerization and Their Self-assembly Investigations
11	PB-27	Hung-Yuan Chen	Study of the Effect of Different Additives on the Solid Electrolyte Interface (SEI) Film of Graphite Negative Electrode Material Using Small-Angle Neutron Scattering
12	PE-06	Philipp Materna	Characterization of room temperature Sodium Sulfur Batteries using Small-Angle and Wide-Angle X-ray scattering (SAXS/WAXS) methods
13	PB-28	Yu-Cheng Chiu	Altering the Microstructure of Conjugated Polymers in Solution via Microwave Irradiation

November 5, 2024 (Tuesday) Room 101CD

Chair: An-Chung Su

Order	Poster Number	Speaker	Title
1	PI-02	Sylvio Haas	Advanced methods available at the SAXSMAT beamline P62 at DESY
2	PI-01	Andy Smith	Bonse-Hart USAXS at I22, Diamond Light Source: “Improvements” and first results
3	PI-14	Tsutomu Matsui	Adaptable SEC-SAXS data collection at SSRL BL4-2
4	PI-10	Hannes Mio	Simple-SAXS: A New Approach to an Economic and Resource-Saving Small & Wide--Angle X-ray Scattering Instrument
5	PI-07	Maarten Turenhout	ICS-SAXS: Hard X-ray metrology accelerated by an inverse Compton scattering source
6	PL-02	Shun Yu	In-situ X-ray analysis of cold alkali dissolution of cellulose pulps of various origins
7	PL-08	Barbara Gerbelli	Utilising Wide angle X-ray scattering for high accuracy of diagnostics of breast cancer
8	PI-12	Joseph Kline	New SAXS Calibration Reference Standard
9	PL-01	Gözde Bayazit Sekitmen	Novel Synthesis of CaO Nanoparticles and Characterization by SAXS and Complementary Methods
10	PL-07	Masato Ohnuma	Process Dependence of Nanostructure of Real Cheese
11	PL-04	Christopher Garvey	The Perspective of X-ray Scattering on the Degradation Processes in Environmentally Exposed Thermoplastics
12	PL-06	Masato Ohnuma	Time Evolution of Nanostructure in Al Alloys with 1 mm Thick Measured by Laboratory High Energy Small-Angle X-ray Scattering
13	PI-08	Adrian Rennie	Measurement and Calibration of Laboratory USAXS Resolution