Time	Day 4 04 December 2024 Wednesday					
0730-0800	Registration					
0800-0845	MS2-V Plenary Moderator: Sharmarke Mohamed Thermal Topochemical Polymerization Reactions: Challenges and Opportunities ***Kana M Sureshan***					
0845-0945	Special Session Moderator: Kittipong Chainok The Past, Present and Future of Smalll-Molecule Crystallography: Quantum Crystallography and the QCrBox ***Horst Puschmann***					
0945-1000	**Venue: CH2** Moderator: Adam Leow Thean Chor		**Venue: CH3** Moderator: Ian Williams		**Venue: MR305** Moderator: David Turner	
0945-1000	MS1-IV Structural Mechanistic Insights into the Function of Phosphatidylethanolamine N-Methyltransferase PmtA Mediating Bacterial Phosphatidylcholine Synthesis ***Salma Dienta Salsabila***	0945-1005	MS2-I Invited Speaker Guest-Regulated Structural Changes of Mechanically Interlocked Polymers ***Eunji Lee***		MS2-VI Invited Speaker Elucidation of Stability of Co-Crystals of Caffeine-Dicarboxylic Acid Complexes by Quantum Crystallography ***Kunihisa Sugimoto***	
1000-1015	MS1-IV Antibody-Assisted Cryo-EM Single-Particle Analysis on Intramembrane Metalloprotease RseP from Aquifex Aeolicus ***Terukazu Nogi***	1005-1020	MS2-I High-Resolution X-Ray Powder Diffraction Reveals Lattice Distortion of Surface and Bulk Regions in Morphology-Controlled Nanocrystals ***Bo-Hao Chen***		MS2-VI Exploring Proton Tautomeric Pathways to Unveil Distinct Behavior of Polar Polymorphic Forms: A Quantum Crystallographic Approach ***Yogita Gupta***	
1015-1030	MS1-IV Structural Insight into the Membrane Organization of Red Blood Cells ***Ning Gao***	1020-1035	MS2-I Structure Analysis and Data Discussion of Azo-Leucine Schiff Base Cu(II) Complex ***Takashiro Akitsu***			
1030-1050	Tea Break / Exhibition / Poster Viewing					
1050-1120	**Venue: CH2** Moderator: Siti Nadiah Abdul Halim		**Venue: CH3** Moderator: Tan Yee Seng		**Venue: MR305** Moderator: Yu-Chun Chuang	
1050-1120	MS1-III Keynote Exploring the Molecular Machinery of Cell Death to Discover New Drug Targets ***Peter Czabotar***		MS2-III Keynote Responsive Metal-Organic Frameworks for Structural and Colorimetric Transformation ***Jinhee Park***		MS3-I Keynote Synchrotron X-Ray and Neutron Diffraction Methods for Understanding and Improving the Performance of Energy Materials ***Josie Auckett***	
1120-1140	MS1-III Invited Speaker New Structure of Full-Length Rat MLKL Reveals Novel Interface for Interdomain Communication ***Katherine Davies***		MS2-III Invited Speaker Solid-state [2+2] Photo-Cycloaddition and Dynamics in Zn(II) Supramolecular Isomers Assembled with Olefin Ligands ***In-Hyeok Park***		MS3-I Invited Speaker Submillisecond in Situ X-Ray Diffraction Measurement System Using Diamond Anvil Cells at Beamline BL10XU/SPring-8 ***Saori Kawaguchi***	
1140-1155	MS1-III Molecular Mechanisms of Lipid Antigen Presentation to T Cells in Protective or Aberrant Immunity ***Adam Shahine***		MS2-III In Situ Control of Solid State [2+2] Photodimerization of Styrylpyridine by Crystalline-State Photoisomerization ***Akiko Sekine***	1140-1200	MS3-I Invited Speaker The Design and Current Status of the High-Resolution Neutron Diffractometer at China Spallation Neutron Source ***Ping Miao***	
1155-1210	MS1-III Luteolin as Inhibitor of 3CLpro from SARS-CoV-2 Against COVID-19 ***Wael Rabeh***		MS2-III Mechanochemical Preparation of Binary Pharmaceutical Solid Forms: Characterization and Determination of Dissolution Profiles ***Juan Manuel Germán-Acacio***	1200-1215	MS3-I Single-Crystal Neutron Diffraction - Contributions to Quantum and Chemical Crystallography - Models from Crystallography and Their Proper Application ***Alison Edwards***	
1210-1225	MS1-III Importance of Active Site Residues and Its Substitutions in Plasmodium Pepsin-Like Aspartic Proteases ***Satadru Chakraborty***		MS2-III Mechanically Induced Energy Conversion in Polymorphic Single Crystals ***Durga Prasad Karothu***	1215-1230	MS3-I Neutron Diffraction Study of Ice Up to 100 Gpa ***Kazuki Komatsu***	
1225-1240	MS1-III Molecular Insights into Metabolite-Mediated T Cell Immunity ***Wael Awad***		MS2-III Efficient Mechanochemical Synthesis of Polyvalent Iodine Salts and Understanding their Reactivities in the Crystalline State ***Ipsha Shruti***	1230-1245	MS3-I Atomic Scale and Electronic Structure Characterization of Amorphous Tantalum Oxide Thin Films via Synchrotron X-Ray Techniques ***Loku Singgappulige Rosantha Kumara***	
1240-1255	MS1-III A Novel Conformation-Specific BAK Antibody Enables Assessment of Non-Activated BAK Levels in Cancer Cells ***Michelle Miller***			1245-1300	MS3-I Atomic Scale Structure of 2D Atomic Layer Materials, WSe2 and Graphene, Using SR Micro-Focused X-Ray Beam ***Yosuke Ogawa***	
1255-1410	Lunch / Exhibition / Poster Viewing					
1410-1455	MS3-VI Plenary Moderator: Leonard Chavas New Generation Low-Dimensional Nanomaterials for Advanced Water Treatment ***Hui Ying Yang***					
1455-1525	Sponsor's Session by DKSH Technology Sdn Bhd Moderator: Ally Yeo Powder Crystallography Options on a Laboratory XRD ***Umesh Tiwari***					
1525-1540	**Venue: CH2** Moderator: Dina Muhd Tajuddin		**Venue: CH3** Moderator: Kunihisa Sugimoto		**Venue: MR305** Moderator: Shee Mei Lok	
1525-1540	MS1-V Crystal Structure Analyses of Plasmodium Falciparum 1-Deoxy-D-Xylulose 5-Phosphate Reductoisomerase in Complex with a New Inhibitor ***Nobutada Tanaka***		MS2-VI Keynote Constructing Coordination Polymers and Cages from Low-Symmetry and Chiral Ligands ***David Turner***		MS3-III Keynote Comparison of Crystallography and Cryo-EM: Present and Future ***Ming-Daw Tsai***	
1540-1555	MS1-V Crystallization and Preliminary X-Ray Crystallographic Analysis of a Promiscuous Paraoxonase from a Locally Isolated Organophosphate-Degrading Bacillus sp. S3wahi ***Ameera Azman***					
1555-1610	MS1-V Structural Characterization of Class A β-Lactamase CESS-1 from Stenotrophomonas Sp. : Insights into Its Substrate Preference ***Myeong-Yeon Kim***		MS2-VI Versatile Fluorescence on Single Crystals of Non-Stoichiometric Hydrogen-Bonded Organic Frameworks Depending on the Component Fraction and Distribution ***Taito Hashimoto***		MS3-III Decoding the Allosteric Switches of the NADP-Specific Glutamate Dehydrogenases (GDHs) ***Arpan Banerjee***	
1610-1625	MS1-V Structural Analysis of the ATPase Domain of Mycobacterium Tuberculosis DNA Gyrase in Complex with a Novel Antitubercular Agent ***Nei-Li Chan***		MS2-VI Self-Assemblies of Sulpha-Drug Derived Amides ***Jubaraj Bikash Baruah***		MS3-III Dynamical Refinement on 3D Electron Diffraction Data of Inorganic and Organic Compounds ***Hrushikesh Chintakindi***	
1625-1640			MS2-VI The Role of Supramolecular Interactions in Recognition of Isostructurality ***Petra A Bombicz***		MS3-III Structure Detail Studies by 3D ED **Junliang Sun**	
1640-1655	Tea Break / Exhibition / Poster Viewing					
1655-1800	Poster Judging MS1-III, MS1-IV MS2-III, MS2-IV MS3-III, MS3-IV					
End						