

Day 4			
04 December 2024			
Wednesday			
Registration			
0730-0800	Registration		
MS2-V Plenary			
Thermal Topochemical Polymerization Reactions: Challenges and Opportunities			
Kana M Sureshan			
Special Session by Professor Horst Pushman			
Venue: CH2		Venue: CH3	
Venue: CH2		Venue: MR305	
MS2-VI Keynote		MS2-VI Invited Speaker	
0945-1000	MS1-IV Keynote Cong Liu	0945-1005	MS2-VI Invited Speaker Elucidation of Stability of Co-Crystals of Caffeine-Dicarboxylic Acid Complexes by Quantum Crystallography Kunihisa Sugimoto
			MS2-VI Structural Insights of Carbohydrazide Schiff Base Derivative: Synthesis, Crystal Structure, Hirshfeld Surface Analysis, 3D Energy Frameworks and Computational Docking Studies Arya Viswanath
1000-1015		1005-1020	MS2-VI High-Resolution X-Ray Powder Diffraction Reveals Lattice Distortion of Surface and Bulk Regions in Morphology-Controlled Nanocrystals Bo-Hao Chen
1015-1030	MS1-IV Structural Insight into the Membrane Organization of Red Blood Cells Ning Gao	1020-1035	MS2-I The Growth and Defect Study of 4-Inch ZnGeP2 Nonlinear Crystal Chunhai Yang
MS2-VI Exploring Proton Tautomeric Pathways to Unveil Distinct Behavior of Polar Polymorphic Forms: A Quantum Crystallographic Approach Yogita Gupta			
Tea break/ Exhibition/ Poster Viewing			
Venue: CH2		Venue: CH3	
Venue: CH2		Venue: MR305	
MS1-III Keynote Peter Gschobert		MS3-I Keynote	
1050-1120	MS1-III Invited Speaker New Structure of Full-Length Rat MLKL Reveals Novel Interface for Interdomain Communication Katherine Davies	MS2-III Keynote Responsive Metal-Organic Frameworks for Structural and Colorimetric Transformation Jinhee Park	MS3-I Invited Speaker Submillisecond in Situ X-Ray Diffraction Measurement System Using Diamond Anvil Cells at Beamline BL10XU/SPRING-8 Saori Kawaguchi
			MS3-I Invited Speaker The Design and Current Status of the High-Resolution Neutron Diffractometer at China Spallation Neutron Source Ping Miao
1120-1140		MS2-III Invited Speaker Solid-state [2+2] Photo-Cycloaddition and Dynamics in Zn(II) Supramolecular Isomers Assembled with Olefin Ligands In-Hyeok Park	
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
1155-1210	MS1-III Luteolin as Inhibitor of 3CLpro from SARS-CoV-2 Against COVID-19 Wael Rabeih	MS2-III Mechanically Compliant Organic Single-Crystal Optical Microwaveguides Soumyajit Ghosh	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 Mechanochemical Preparation of Binary Pharmaceutical Solid Forms: Characterization and Determination of Dissolution Profiles Juan Manuel German-Acacio	1215-1230
1225-1240	MS1-III The C-Lobe of Lactoferrin; A Swiss Army Knife of the Body Sujata Sharma	MS2-III Mechanically Induced Energy Conversion in Polymorphic Single Crystals Durga Prasad Korothu	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 Molecular Insights into Metabolite-Mediated T Cell Immunity Wael Awad	MS2-III Insights Into the Structure-Property Relationship of Ambrisenan Solid Forms Jamshed Haneef	1245-1300
1255-1310	MS1-III A Novel Conformation-Specific BAK Antibody Enables Assessment of Non-Activated BAK Levels in Cancer Cells Michelle Miller	MS2-III Efficient Mechanochemical Synthesis of Polyvalent Iodine Salts and Understanding their Reactivities in the Crystalline State Ipsha Shruti	1300-1315
			MS3-I Neutron Diffraction Analysis of Cr-Substituted Cobalt Ferrite Md. Aminul Islam
Lunch/ Exhibition/ Poster Viewing			
MS2-VI Plenary			
New Generation Low-Dimensional Nanomaterials for Advanced Water Treatment			
Hui Ying Yang			
Sponsor's Session			
Venue: CH2		Venue: CH3	
Venue: CH2		Venue: MR305	
MS2-VI Keynote		MS3-III Keynote	
1525-1555	AsCA EC Meeting	Constructing Coordination Polymers and Cages from Low-Symmetry and Chiral Ligands David Turner	Comparison of Crystallography and Cryo-EM: Present and Future Ming-Daw Tsai
		Versatile Fluorescence on Single Crystals of Non-Stoichiometric Hydrogen-Bonded Organic Frameworks Depending on the Component Fraction and Distribution Taïto Hashimoto	MS3-III Decoding the Allosteric Switches of the NADP-Specific Glutamate Dehydrogenases (GDHs) Arpan Banerjee
1555-1610		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
1610-1625			[Pending Review] MS2-III
1625-1640		MS2-VI The Role of Supramolecular Interactions in Recognition of Isostructurality Petra A Bombicz	Accurate Simulation of Continuous Precession Electron Diffraction Tomography Based on Golden-Cut Sampling and Its Numerical Properties Zeyue Zhang
Tea break/ Exhibition/ Poster Viewing			
Poster Presentation			
End			