

CPM-9

Monday, May 20, 2024

Monday: Welcome Address (8:10 AM - 8:20 AM)

-Conveners: Alexander Neimark; Matthias Thommes

Monday: Opening Remarks (8:20 AM - 8:40 AM)

-Conveners: Katsumi Kaneko

Monday: Session 1: Adsorption and Transport (8:40 AM - 10:10 AM)

time	[id] title	presenter
9:00 AM	[7] Adsorption and diffusion in nanoporous materials: the view from the nanoscale	COASNE, Benoit
9:30 AM	[31] Rapid Characterization of Mass Transfer in Fiber Composites Using a Commercial Volumetric Adsorption Instrument	SHI, Kaihang
9:50 AM	[47] Shell-Core Structure in Extruded Pellets Characterized Using the Zero Length Column Technique	BRANDANI, Stefano

Monday: Session 2: Experimental Methods I (10:40 AM - 12:30 PM)

time	[id] title	presenter
10:40 AM	[8] Deformation Dynamics of Nanoporous Solids upon Liquid Imbibition	HUBER, Patrick
11:10 AM	[35] Topological cluster structure of water confined in hydrophobic pores	IYAMA, Taku
11:30 AM	[125] Quantitative Assessment of Hydrophilicity/Hydrophobicity in Nanoporous Materials	CUADRADO COLLADOS, Carlos
11:50 AM	[76] Investigating preferential adsorption of N ₂ from the air in Zeolite 13X using total neutron scattering	FALKOWSKA, Marta
12:10 PM	[62] Selectivity in adsorption of responsive metal-organic frameworks	SENKOVSKA, Irena

Monday: Session 3: Molecular Simulations (2:00 PM - 4:30 PM)

time	[id] title	presenter
2:00 PM	[54] Insights into Capillary Condensation and Hysteresis in Nanoporous Materials from New Simulation Methods	SNURR, Randall
2:30 PM	[38] Anomalous interaction between propylene and Ag cation in zeolites	TANAKA, Hideki
2:50 PM	[14] Unusual coexisting adsorption and structural transformations mechanism in Nano-Porous Materials	KUCHTA, Bogdan
3:10 PM	[3] Understanding the Origins of Reversible and Hysteretic Pathways of Adsorption Phase Transitions by Mesocanonical Ensemble Monte Carlo Simulations	PARASHAR, Shivam

3:30 PM	[18] Flat-histogram Simulations of Water in MOFs: Advanced Strategies for Overcoming Sampling Challenges	SIDERIUS, Daniel
3:50 PM	[49] Mechanism of Vapor Sorption and Sorption-Induced Deformation in Bacterial Spores	Prof. GOR, Gennady