

InterPore2025

Monday, 19 May 2025

MS26: 1.2 (13:50 - 15:05)

time	[id] title	presenter
13:50	[462] Sub-core Permeability Inversion of Sedimentary Rocks using Positron Emission Tomography Data—Sally's Vision 10 Years in the Making	Prof. ZAHASKY, Christopher
14:05	[489] Direct observations of solute dispersion in rocks with distinct degree of sub-micron porosity	KUROTORI, Takeshi
14:20	[517] Unraveling Salt Precipitation Mechanisms: Insights into Dominant Driving Forces	Dr GASDA, Sarah
14:35	[314] Mapping CO2 migration pathways in 3D heterogeneous sedimentary structures	ASHMORE, Nicholas
14:50	[632] Extensions to Early Work on Geologic Carbon Sequestration with Enhanced Gas Recovery (CSEGR)	OLDENBURG, Curtis

Tuesday, 20 May 2025

MS26: 2.1 (09:05 - 10:05)

time	[id] title	presenter
09:05	[232] Impact of Ostwald ripening on the stability of capillary-trapped CO ₂ : a retrospective	GARING, Charlotte
09:20	[70] Temporal Dynamics of Reactive CO ₂ Flow in Carbonate Rocks: Insights from 4D Synchrotron Imaging	AMABOGHA, Azibayam
09:35	[543] Capillary trapping and flow dynamics in CO ₂ -Brine systems: A Microfluidic experimental study near the critical point	DE CASTRO COSTA, Brenda Maria
09:50	[688] Advanced Subsurface Characterization using Deep Generative Prior and Reduced Order Modeling	LEE, Jonghyun

MS26: 2.3 (14:05 - 15:05)

time	[id] title	presenter
14:05	[538] How to Best Model Multiscale Capillary Heterogeneity for Geologic CO ₂ Storage	NI, Hailun
14:20	[240] Thermodynamics of Ganglia in 2D Porous Media	WANG, Chuanxi
14:35	[127] Improving CO ₂ Injectivity with Surfactant-Driven Methods in Geological Storage	LEE, Yeon-Kyeong

Wednesday, 21 May 2025

MS26: 3.1 (09:05 - 10:05)

time	[id] title	presenter
09:05	[118] CO2 Geological Storage Modeling with Machine Learning	WEN, Gege
09:20	[637] Rapid Field-Scale CO2 Storage Simulation tool with Geomechanically constrained Fault Leakage function to Predict Leakage Outcomes under Uncertainty	DOSTER, Florian
09:35	[635] Use of Synthetic Data for Designing Carbon Storage Strategies in Deep Saline Geologic Formations	Prof. ILLANGASEKARE, Tissa

MS26: 3.3 (14:05 - 15:05)

time	[id] title	presenter
14:05	[502] Preliminary findings from the GFV experiment: Investigating the role of multiscale geological heterogeneity on plume migration and trapping	BENSON, Sally
14:20	[469] Statistical Analysis of Cased-Hole Monitoring Well Logs for the GeoCquest Field Validation Experiment based on a Time-Lapse Technique: Interpretation Example and Interpretation Accuracy	RAIZADA, Aman
14:35	[572] Using changes in soil moisture to detect CO2 leakage in real-time	BAKHSHIAN, Sahar
14:50	[563] Small heterogeneities with large impacts on CO2 flow and trapping	KREVOR, Sam