

InterPore2025

Monday, 19 May 2025

MS01: 1.1 (11:25 - 12:25)

time	[id] title	presenter
11:25	[457] Experimental Investigation of Mineral Precipitation Dynamics in Porous Media and Its Impact on Rock Properties	KOTTSOVA, Anna
11:40	[400] Geochemically induced alteration in geothermal reservoirs and their implications for sustainable energy production	AWOLAYO, Adedapo
11:55	[474] Mixed-Dimensional Multiphase Model for Fractured Geothermal Reservoirs	DURAN, Omar

MS01: 1.3 (17:10 - 18:10)

time	[id] title	presenter
17:10	[440] The Impact of Carbon Dioxide- Methane Co-Injection into Deep Saline Reservoirs: A Case Study from the Otway Storage Site	CALLAS, Catherine
17:25	[264] Microfluidic Study of the Pore-Filling and Propagation Behaviors of CH ₄ and CO ₂ Hydrates in Porous Media	YU, Wei
17:40	[374] Methodological considerations to assess biogeochemical reactivity during hydrogen storage in a carbonate aquifer	BULTREYS, Tom

Tuesday, 20 May 2025

MS01: 2.3 (14:05 - 15:05)

time	[id] title	presenter
14:05	[98] From natural gas storage to hydrogen storage: Microscopic flow dynamics of hydrogen versus methane in fractured reservoir rock	MANOORKAR, Sojwal
14:20	[71] Real time micro-CT imaging of gas-gas mixing in the presence of brine	Dr JACKSON, Samuel
14:35	[142] Dynamics of Ostwald ripening in underground hydrogen storage	ZHAO, Benzhong
14:50	[582] Characterizing Subsurface Hydrogen Migration using Neutron Imaging	Dr PURSWANI, Prakash

Wednesday, 21 May 2025

MS01: 3.1 (09:05 - 10:05)

time	[id] title	presenter
09:05	[202] Wettability alteration of microfluidic devices by in situ plasma	ROMAN, Sophie
09:20	[19] Colloid-induced multiphase flow perturbations in porous media	IQBAL, Muhammad Muqeet
09:50	[590] Practical Demonstration of Dissolved Gas Injection for Geo-sequestration on Coalbeds	Dr MYERS, Grant

MS01: 3.2 (11:35 - 13:05)

time	[id] title	presenter
11:35	[421] Redox reactions in near-wellbore tight rocks during gas storage	LI, Qingyun
11:50	[622] An Integral Model of Gas Diffusion, Sorption, and CO ₂ sequestration in Tight Dual-Porosity Organic-Rich Systems	LYU, Ye
12:05	[379] Experimental Investigation of Mudrock Capillary Sealing and Resealing to CO ₂	AWAD, Mohamed M.
12:20	[288] Quantification for density-driven convection of CO ₂ in water	XU, Yao
12:35	[309] CO ₂ Mass Transfer in Porous Media: Implications for Long-Term Carbon Sequestration in Saline Aquifers	Mr BASILIO, Enoc
12:50	[348] The effect of random and correlated heterogeneity on CO ₂ storage in saline aquifers	ROSENZWEIG, Ravid

MS01: 3.3 (14:05 - 15:05)

time	[id] title	presenter
14:05	[56] Hydro-Geomechanical Reservoir Modelling of Underground Hydrogen Storage in a Saline Aquifer of the North German Basin	ECKEL, Anna-Maria
14:20	[57] Numerically predicting surface displacement patterns to inform monitoring well strategies in underground H ₂ storage for a reservoir at Ketzin site in Germany	SINGH, Mrityunjay
14:35	[258] Effects of Aquifer Salinity on Underground Hydrogen Storage	Dr GROSS, Michael
14:50	[261] Techno-economic assessment of a novel hybrid plant for solar thermal hydrogen storage in subsurface systems	VURAL, Hasan