

InterPore2025

Tuesday, 20 May 2025

MS25: 2.3 (14:05 - 15:05)

time	[id] title	presenter
14:05	[394] Towards relative permeability-mineralization paradigms in vesicular basalt pore systems	KELLY, Shaina
14:20	[51] In-situ observation of mafic/ultramafic rock reactions with supercritical CO2 using neutron reflectometry	NEIL, Chelsea
14:35	[231] Direct visualization of coupled mineral dissolution and precipitation to predict pore-clogging dynamics	KIM, Jieun
14:50	[242] Pore Network Modeling of Coupled Mineral Dissolution and Precipitation in Fractured Porous Media	BUDEK, Agnieszka

Wednesday, 21 May 2025

MS25: 3.2 (11:35 - 13:05)

time	[id] title	presenter
11:35	[176] Assessment of Hydrodynamic and Geochemical Controls on Carbon Mineralization Process in Mafic and Ultramafic Rocks	BOAMPONG, Lawrence Opoku
11:50	[179] pH-Driven Mixing-Induced Carbonate Mineralization: Insights from Microfluidic Pore-Scale Experiments	KIM, David Kyungtae
12:05	[591] Mineralization-Induced Permeability Enhancement for Concurrent Carbon Storage and Critical Mineral Extraction from Ultramafic Intrusions	STANFIELD, C. Heath
12:20	[443] Pore scale experimental and computational analysis of reactive transport in a natural limestone	YOON, Hongkyu
12:35	[169] Impact of Fluid Inertia on Mixing-Induced Mineral Precipitation: Pore-Scale Simulations and Microfluidic Experiments	LEE, Woonghee
12:50	[406] Natural convection facilitates deep mineral leaching and precipitation in a dead-end pore	PARK, Jinil

Thursday, 22 May 2025

MS25: 4.1 (09:05 - 10:35)

time	[id] title	presenter
09:05	[80] Strategies for overcoming the challenge of gigaton-per-year basalt carbonation	TUTOLO, Benjamin
09:20	[470] Identification of a characteristic time and length for CO ₂ mineralization	VOLLER, Vaughan
09:35	[512] Geochemical Modelling CO ₂ Mineralisation in Peridotite Formations, History Matching of a Pilot Test	Mr MATTER, Juerg
09:50	[613] Investigation of Pore Characteristics for CO ₂ Mineralization Through Digital Rock Physics	JEON, Hyunjeong
10:05	[441] Experimental Study on Carbon Mineralization in Fractured Basalt using X-ray CT imaging	JANG, Woojae
10:20	[260] Oscillating Flow Leads to Sustained and Enhanced Mixing-Induced Mineral Precipitation in Porous Media	YANG, Weipeng

MS25: 4.2 (12:05 - 13:05)

time	[id] title	presenter
12:05	[219] A scaling law for reaction-induced fracturing during mineral carbonation and hydration	UNO, Masaoki
12:35	[465] Stability of two-phase flow with interfacial flux in CO ₂ mineralization: Theory for complex system evolution	Dr DALTON, Laura
12:50	[614] Complex Carbonate Phases Drive Subsurface Carbon Mineralization Processes	LAHIRI, Nabajit