InterPore2023

Monday, 22 May 2023

MS08: 1.2 (13:45 - 15:45)

time	[id] title	presenter
13:45	[37] A Geo-structurally Based Correction Factor for Apparent Dissolution Rates in Fractured Media	HYMAN, Jeffrey
14:00	[212] Cooling of CO2-rich geothermal fluids: A mechanism for cave systems formation	Dr RODED, Roi
14:15	[71] Quantification of the impact of acidified brine on fracture-matrix transport in a naturally fractured shale using in situ imaging and modeling	Prof. ZAHASKY, Christopher
14:30	[89] Adaptive models for nonlinear flows in highly heterogeneous porous media	Dr PATACCHINI, Francesco
14:45	[472] Dispersion in porous media gravity currents experiencing drainage	SHEIKHI, Saeed
15:00	[55] Experimental and numerical investigation on convective mixing in porous media flows	DE PAOLI, Marco
15:15	[157] Three-Dimensional Imaging of Density-Driven Convection in Consolidated Rock Samples Using X-Ray CT Scanning	ECKEL, Anna-Maria
15:30	[932] Rayleigh-Darcy convection in a three-dimensional granular medium: an experimental study	ASHRAF, Shabina

MS08: 1.3 (17:00 - 18:00)

time	[id] title	presenter
17:00	[216] Modelling anomalous diffusion in semi-infinite disordered systems and porous media	BERKOWITZ, Brian
17:15	[311] Advective trapping in the flow through composite heterogeneous porous media	HIDALGO, Juan J.
17:30	[524] Generating synthetic images of unsaturated porous media with a multiscale multipoint statistics approach to study transport in two-fluid-phase systems	Ms OLLIVIER-TRIQUET, Emma
17:45	[188] Topological Control on Flow and Transport in Unsaturated Porous Media from Temporally Resolved 3D X-ray Computed Micro-tomography	VELÁSQUEZ-PARRA, Andrés

Tuesday, 23 May 2023

MS08: 2.1 (09:30 - 10:30)

time	[id] title	presenter
09:30	[307] Pore-scale investigations of two-phase flow on mineral reaction rate	Dr DENG, Hang
09:45	[572] Exploring the Impact of Heterogeneity and Flow Rate on Mixing and Displacement of Miscible Phases in Porous Media	EDERY, Yaniv
10:00	[637] Intermittent shifting of preferential flow paths in bioclogged porous media enhances mixing-driven reactions	MORALES, Veronica
10:15	[137] Dynamics of microplastic fiber mobility in a periodic porous media: Experimental results and numerical simulations	ENGDAHL, Nick

MS08: 2.2 (12:00 - 13:00)

time	[id] title	presenter
12:00	[691] Dispersive transport dynamics in porous media emerge from local correlations	GOEHRING, Lucas
12:15	[951] Quantification of Coupled Longitudinal and Transverse Dispersion in Porous Media	JAMES, Lesley
12:30	[709] Computing Fick diffusion coefficients using equilibrium molecular dynamics for binary mixtures of hydrogen relevant for underground hydrogen storage	HULIKAL CHAKRAPANI, Thejas
12:45	[747] Surface Induced Anomalous Transport of Nanoparticle in 3D Printed Structurally Heterogeneous Soils: coupling experiments and stochastic models	Dr MIELE, Filippo

MS08: 2.3 (14:15 - 15:30)

time	[id] title	presenter
14:15	[758] Effect of radial advection on chemical fronts	DE WIT, Anne
14:30	[827] Pulsed Flow Injection Strategies for Enhancing Subsurface Mixing	MINTO, James
14:45	[271] Mixing in Porous Media: Observations and Modeling of the Local Concentration PDF	Dr SOLE-MARI, Guillem
15:00	[462] 10 years of chaotic mixing in porous media	HEYMAN, Joris
15:15	[487] High Resolution Mixing and Reactions in a Porous Column	Prof. BOLSTER, Diogo

Wednesday, 24 May 2023

MS08: 3.1 (09:30 - 10:30)

time	[id] title	presenter
09:30	[762] Effect of evaporating surface to volume ratio on crystallization dynamics and damage caused by NaCl crystallization in porous media	Ms WIJNHORST, Rozeline
09:45	[323] Sorption in heterogenous porous media: a numerical study of the effects of spatial heterogeneity of pore structure	Dr MOUSAVI NEZHAD, Mohaddeseh
10:00	[704] Chaotic mixing due to oscillatory flow in porous media	Dr LINGA, Gaute
10:15	[412] How probabilistic nucleation controls spatiotemporal dynamics and dimensionality of mineral growth in porous media?	Dr NOORAIEPOUR, Mohammad