

InterPore2023

Wednesday, May 24, 2023

MS12: 3.1 (9:30 AM - 10:30 AM)

time	[id] title	presenter
9:30 AM	[677] Photoporomechanics: Visualizing and quantifying the evolving effective stress in 3D fluid-filled granular media	JUANES, Ruben
9:45 AM	[631] Scaled Physical Modeling of CO2 Cyclic Injection Process in A Heterogeneous Unconsolidated Sandstone Formation using Additive Manufacturing and Geotechnical Centrifuge Technologies	CARTAGENA-PÉREZ, Daniel
10:00 AM	[222] A novel CPR/block preconditioning framework for two-phase flow simulations in porous media by mixed hybrid finite elements	Prof. FERRONATO, Massimiliano
10:15 AM	[378] The role of pore fluids in supershear earthquake ruptures	CUETO-FELGUEROSO, Luis

Thursday, May 25, 2023

MS12: 4.1 (9:15 AM - 10:45 AM)

time	[id] title	presenter
9:15 AM	[205] Simulation of the inelastic deformations of porous reservoirs under cyclic loading relevant for underground hydrogen storage	Mr RAMESH KUMAR, Kishan
9:30 AM	[300] A Bounding Surface Viscoplasticity Model for Creep and Strain-Rate-Dependent Behaviour of Soils	Prof. KHALILI, Nasser
9:45 AM	[341] Coupling mechanism of sorption and deformation in amorphous cellulose with hierarchical porous structure	Dr HUA, Lingji
10:00 AM	[267] Polytopal Discontinuous Galerkin discretization of the fully-coupled thermo-poroelastic problem	BOTTI, Michele
10:15 AM	[600] Seismic wave attenuation and dispersion due to two-phase fluid saturation: Laboratory measurements and numerical simulations based on X-Ray CT	Dr CHAPMAN, Samuel
10:30 AM	[852] Simulation of cyclic storage of hydrogen in salt caverns based on laboratory-benchmarked modeling of creep	TASINAFO HONORIO, Herminio