

InterPore2023

Tuesday, 23 May 2023

MS10: 2.3 (14:15 - 15:30)

time	[id] title	presenter
14:15	[49] Investigating the Use of Electrical Capacitance Tomography to Image Rapid Transient Moisture Flow Through Cracks in Concrete	Dr DALTON, Laura
14:30	[193] Development of a tridimensional characterization methodology for hierarchical materials: application to the nuclear effluent decontamination in fixed-bed processes.	VANNIER, Samuel
14:45	[430] 3D X-ray micro-velocimetry of unsteady multiphase flows in porous media	BULTREYS, Tom
15:00	[433] 3D Pore Roughness Extraction Technique: From 1.0 (2D) to 2.0 (3D)	Dr LI, Yiteng
15:15	[670] Zoom-tomography applied to diverse porous media research at the MOGNO beamline from Sirius synchrotron	ROSAS FERREIRA, Talita

Wednesday, 24 May 2023

MS10: 3.3 (14:15 - 15:30)

time	[id] title	presenter
14:15	[291] A digital core reconstruction method based on discrete element method considering the actual shape of rock particles	Mr WANG, Chunqi
14:30	[427] Flow field analysis towards improved predictability of diffusive flux in host rocks for radioactive waste	FISCHER, Cornelius
14:45	[624] Evidence of self-sealing in wellbore cement under geologic CO2 storage conditions by micro-CT, SEM and Raman observations	Ms WANG, Yan
15:00	[423] Attention-Res-UNet-based WGAN-GP Network to Boost Digital Rock Image Resolution	ZHANG, Zhen
15:15	[366] 3D observation of (nano)-cellulose fibers network by multiscale imaging techniques: from nanometer to millimeter scale.	PADILLA BELLO, NELLY

Thursday, 25 May 2023

MS10: 4.1 (09:15 - 10:45)

time	[id] title	presenter
09:15	[191] Using 4D-Imaging to describe the impact of the microstructure on sublimation front patterns	GRUBER, Sebastian
09:30	[361] Dynamics of water films during wetting and drying cycles in porous media	Mr WENSINK, Gijs
09:45	[442] Spatio-temporally Resolved Dynamical Transitions in Flow of Pickering Emulsions through Porous Media	TRIFKOVIC, Milana
10:00	[480] Water dynamics during gas fed CO ₂ -electrolysis revealed by 4D X-ray imaging	FISCHER, Robert
10:15	[705] Use of 4D tomography to track the evolving geometry and flow patterns in dissolving rocks	SZYMCZAK, Piotr
10:30	[873] Analysing salt precipitation-damage coupling in limestone with 4D X-ray tomographic imaging	DERLUYN, Hannelore

MS10: 4.2 (14:00 - 15:30)

time	[id] title	presenter
14:00	[59] Characterization of oilwell cement with Ca-montmorillonite additives modified by supercritical CO ₂	Prof. ZHANG, Liwei
14:15	[141] Integration of SEM Images and NMR Measurements to Characterize Pore Size Distributions in Unconventional Tight Rock Reservoirs	HART, Paul
14:30	[92] Nano-resolution X-CT 3D Imaging and Permeability Simulation of an Actual Shale Kaolinite	Dr CAMARGO MOREIRA, Anderson
14:45	[595] Multiscale analysis of microporosity of deep marine reservoir rocks using hard X-rays zoom microtomography of synchrotron source	Dr SILVA PINO, Daphne
15:00	[775] Scale-independent rock heterogeneity classifier applied to microtomography images	PRODANOVIC, Masa
15:15	[149] In-situ visualisation of microbial hydrogen consumption using high-resolution PET-MRI	Mr MUSHABE, Raymond