

InterPore2023

Monday, 22 May 2023

MS05: 1.3 (17:00 - 18:00)

time	[id] title	presenter
17:00	[101] Life in a tight spot: How bacterial populations spread through porous media	DATTA, Sujit
17:15	[516] Bacterial Accumulation near Residual Organic Pollutants in Micropockets of Porous Media Depends on Chemotaxis and Pore Water Velocity	Prof. FORD, Roseanne
17:30	[837] Using Branching Fungus to Remediate NAPLs Trapped in Hard-to-reach Areas in Fractured Porous Media	LEE, Sang
17:45	[686] In Situ Bioremediation of Selenium and Nitrate for Full Scale Treatment of Mine Waste in the Elk Valley, British Columbia	Dr PEYTON, Brent

Tuesday, 23 May 2023

MS05: 2.1 (09:30 - 10:30)

time	[id] title	presenter
09:30	[194] Meter-scale MICP improvement of medium graded very gravelly sands: lab measurement, transport modeling, mechanical and microstructural analysis	Dr SANG, Guijie
09:45	[151] Systematic screening of microbial induced calcite precipitation kinetics via online monitoring	Mr LAPIERRE, Frédéric
10:00	[198] Assessing the strength of biomineral strategies for concrete repairs.	Mr KARAMPOURNIOTIS, Athanasios
10:15	[858] Influence of mineralogy on Sporosarcina pasteurii attachment in engineered and natural porous media	ALBALGHITI, Eva

MS05: 2.3 (14:15 - 15:30)

time	[id] title	presenter
14:15	[34] Impact of the internal heterogeneity of biofilms on hydrodynamics and reactions in 3D porous media	Dr JIMENEZ-MARTINEZ, Joaquin
14:30	[112] Study of Biofilm Structure using Advanced Imaging Techniques and Extraction of Pore Network from Simulated Biofilms	Mr AAMER, Emad
14:45	[195] In situ imaging of bacteria transport and attachment in geologic materials using positron emission tomography	Mrs LE, Vy
15:00	[678] Pore-scale modelling of Microbially Enhanced Carbon Mineralization	STARNONI, michele
15:15	[757] Biofilm growth in heterogeneous porous media: pore-scale modeling and anomalous transport analysis	Ms LI, Xueying

Wednesday, 24 May 2023

MS05: 3.1 (09:30 - 10:30)

time	[id] title	presenter
09:30	[910] Recent insights on the coupled processes and potential applications of microbially induced desaturation and precipitation by nitrate-reducing bacteria	VAN PAASSEN, Leon
09:45	[371] Engineered soil-mycelia systems for slope stabilisation	Dr EL MOUNTASSIR, Grainne
10:00	[310] Microfluidic and numerical investigation of anisotropic permeability alteration during biomineralization in porous media	WEINHARDT, Felix
10:15	[917] Using Low-Field Nuclear Magnetic Resonance and Computed Tomography Imaging to Explore Potential of Ureolysis-Induced Calcium Carbonate Precipitation Treatment to Seal Fractures in Shale	WILLETT, Matthew R.