



# InterPore2024

## Tuesday, 14 May 2024

### MS06-A: 2.2 (12:00 - 13:00)

time	[id] title	presenter
12:00	[80] Aging of liquid foam in porous media	Mr SALAMÉ, Ali
12:15	[183] Trapping criteria for three-dimensional periodic liquid particles in micropillar scaffolds	Dr LEI, Wenhai
12:30	[262] Spontaneous Symmetry Breaking during Dispersed Fluid Flow through Porous Media	Dr QI, Jie
12:45	[918] A three-layer Hele-Shaw problem driven by a sink	ZHAO, Meng

### MS06-A: 2.3 (14:00 - 15:30)

time	[id] title	presenter
14:00	[300] Pattern transition during immiscible displacement of non-Newtonian fluids in a rough fracture	YANG, Zhibing
14:15	[950] Experimental study on hysteresis during cyclic injection in hierarchical porous media	Dr YANG, Shuo
14:30	[475] Impact of wetting films on stability diagrams of two-phase flow in porous media	SOULAINÉ, Cyprien
14:45	[324] A generic model for capillary imbibition in a liquid-liquid system: Non-Newtonian fluid as the wetting phase	FU, Pengyu
15:00	[715] A comprehensive analysis on the wettability in shale oil rocks	Prof. WENLIAN, Xiao
15:15	[288] Direct imaging of surfactant/polymer floods in sandstone cores utilising a combined PET/ X-ray CT approach	ROVELLI, Andrea

# Wednesday, 15 May 2024

## MS06-A: 3.2 (12:00 - 13:00)

time	[id] title	presenter
12:00	[619] Interpreting Pore-Scale Fluctuations: Predicting Transport Coefficients in Multiphase Flow through Porous Media Using the Green Kubo Formulation - An Experimental Investigation	ALFAZAZI, Umar
12:15	[673] Pore-scale modeling of multiphase flow in porous media with particle migration	LI, Yuanping
12:30	[314] A microfluidics investigation of the impact of microfractures on flow patterns in porous media during imbibition	ZHANG, Bowen
12:45	[369] Experimental and numerical studies of spontaneous imbibition in sandstones	WANG, xin

## MS06-A: 3.3 (14:00 - 15:30)

time	[id] title	presenter
14:00	[750] Mechanism of oil absorption in surface engineered sponges for wastewater treatment	Mr WENSINK, Gijs
14:15	[664] Minimal Surfaces in Mixed-Wet Bead Packs: Insights from 3D X-Ray Imaging	Ms LI, Min
14:30	[602] Seepage Model of Conglomerate Based on Deep Neural Network and Finite Element-Discrete Element Coupling	YAN, Kang
14:45	[558] Upscaling of Relative Permeability on a Laminated Sandstone after Pore-scale Rock-typing Using Minkowski Functionals	Ms JIANG, Han
15:00	[190] Spontaneous imbibition in dual permeable media using dynamic pore network model	GONG, Wenbo
15:15	[397] Spatial characterization of wetting in porous media using local lattice-Boltzmann simulations	Mrs HAGHANIHASANABADI, Reza

# Thursday, 16 May 2024

## MS06-A: 4.1 (09:05 - 10:20)

time	[id] title	presenter
09:05	[177] CT Gas Tracer Study of Gas Trapping and Diffusion in Foam in Porous Media	Dr GONG, JIAKUN
09:20	[200] Microfluidic experimental study of CO <sub>2</sub> -water-oil three-phase flow in porous media	Prof. CHEN, Li
09:35	[119] An advanced approach for upscaling hydrogen migration in diverse saline aquifers	YU, yueyang
09:50	[845] Modeling of Gas Chimney Formation During Geological Storage	Dr KHAKIMOVA, Lyudmila
10:05	[474] Experimental investigation of capillary effects on solid-liquid interactions in porous media at the decimetric column scale	GOLMOHAMMADI, Meysam

## MS06-A: 4.2 (11:50 - 12:50)

time	[id] title	presenter
11:50	[108] Multiphase Flow Behavior and Numerical Simulation in Fractured-vuggy Porous Media	Prof. HUANG, Zhaoqin
12:05	[111] A Robust three-phase equilibrium calculation framework for dimethyl ether (DME)-H <sub>2</sub> O-CO <sub>2</sub> -Hydrocarbon systems	FANG, Zhengbao
12:20	[428] Effect of Porous media on Minimum Miscibility Pressure	RIAZI, Masoud
12:35	[1026] Effects of particle density and pore fluid on granular flow in a rotating drum	CHEN, Yu