

InterPore2023

Tuesday, 23 May 2023

MS11: 2.3 (14:15 - 15:30)

| time | [id] title | presenter |
|-------|---|------------------------------|
| 14:15 | [28] Insights into pore-scale hydrate morphologies during formation and dissociation in microfluidic for CH ₄ hydrate exploitation | Mr OUYANG, Qian |
| 14:30 | [79] Nanofluidics: a window into pore-scale fundamentals of CO ₂ injection in shale | Prof. ZHONG, Junjie |
| 14:45 | [274] Experimental observation of microbial growth using a microfluidics approach | Mr LÜDDEKE, Christian Truitt |
| 15:00 | [316] A lab on a chip concept for rationalizing hydro-geochemical processes at the pore scale | POONOOSAMY, Jenna |
| 15:15 | [1057] Measurement of surface charge at immiscible liquid-liquid interface using streaming-potential-on-microfluidics | HUANG, Yunfan |

Wednesday, 24 May 2023

MS11: 3.1 (09:30 - 10:30)

| time | [id] title | presenter |
|-------|---|---------------------|
| 09:30 | [85] Investigation of Nanogel Transport in Porous Media by Microfluidic Models | Prof. BAI, Baojun |
| 09:45 | [176] Colloidal transport and clogging of a rock-like porous medium: effects of concentration, hydrodynamic stresses and geometry on particle deposition. | ESNEU, Anne-Sophie |
| 10:00 | [410] Pore-scale visualization of emulsion flow in linear and radial microfluidic porous media | DE AMORIM, Clarice |
| 10:15 | [470] Experimental study of drying in the presence of fluorescent particles in a model porous medium | GHIRINGHELLI, Elisa |

MS11: 3.2 (12:00 - 13:00)

| time | [id] title | presenter |
|-------|---|-------------------------------|
| 12:00 | [445] Impact of nanoparticles and gas composition on bubble density and coarsening rate of confined CO ₂ -foam under high-pressure high-temperature conditions | Prof. PÉREZ-GRAMATGES, Aurora |
| 12:15 | [483] Capillary-controlled phase transitions in caprock over CO ₂ storage in aquifer simulated by nanofluidic pore models | Mr MOZHDEHEI, Armin |
| 12:30 | [856] Microscopic transport and phase behaviors of CO ₂ injection in heterogeneous formations using microfluidics | Dr GUO, Yaohao |
| 12:45 | [62] Brine drying and salt precipitation in porous media: microfluidics quantification of pore heterogeneity and wettability impact | Mr ZHANG, Hui |

MS11: 3.3 (14:15 - 15:30)

| time | [id] title | presenter |
|-------|--|--------------------------|
| 14:15 | [654] Gelation in model porous media investigated with environmentally-sensitive molecular rotors | LE DIZÈS CASTELL, Romane |
| 14:30 | [711] The permeability of pillar arrays in microfluidic devices: an application of Brinkman's theory towards wall friction | Dr DEN OTTER, Wouter |
| 14:45 | [823] Displacement enhancement by nanogel-in-oil suspension with macroemulsion evolution in porous media | LU, Xukang |
| 15:00 | [824] Clogging and particle accumulation during the flow of suspensions of solid particles in model 2D porous media. | Prof. BODIGUEL, Hugues |
| 15:15 | [1078] Hydrate film formation in subsea carbon storage | SONG, Wen |