

Session Program

May 30, 2022 to June 2, 2022



InterPore2022

MS06-B

Mon, May 30

2:10 PM

MS06-B: Parallel Oral Session 2B

Session

2:10 – 2:25 PM

Nanoscale visualization of dissolution and precipitation at calcite-oil-brine interfaces upon aging at variable salinity

Speaker

Frank Megens

2:25 – 2:40 PM

Stochastic inverse modeling of transient core-scale three-dimensional two-phase flows

Speaker

Andrea Manzoni

2:40 – 2:55 PM

Measuring fluid-solid interfacial area during multiphase flow in a porous medium at different wetting and flow conditions

Speaker

Ms Deepshikha Singh

2:55 – 3:10 PM

Modeling of spontaneous imbibition in porous media from modified Lucas-Washburn equation

Speaker

Prof. Jianchao Cai

3:10 PM

4:20 PM

MS06-B: Parallel Oral Session 3B

Session

4:20 – 4:35 PM

The effect of surface tension and contact angle dynamics in averaged models for two-phase flow at the pore scale

Speaker

Mr Stephan B. Lunowa

4:35 – 4:50 PM

Marangoni Effect Maintains Fast Evaporation in Near-Fracture Porous Media

Speaker

Yandong Zhang

4:50 – 5:05 PM

How simplifying capillary effects can affect the traveling wave solution profiles of the foam flow in porous media

Speaker

Prof. Grigori Chapiro

5:05 - 5:20 PM

Assessing uncertainties and identifiability of foam displacement models employing different objective functions for parameter estimation

Speaker

Bernardo Rocha

5:20 - 5:35 PM

Foam Formation and Flow Diversion in Surfactant-Alternating-Gas Injection in Porous Media Micromodels

Speaker

Nicolle Lima

5:35 - 5:50 PM

Intrinsic Mobility control by Foam-like Emulsion?

Speaker

Mr Ahmad Kharrat

5:50 - 6:05 PM

Capillary Wave Tweezers

Speaker

Dr Prashant Agrawal

6:05 PM

Tue, May 31

10:30 AM

MS06-B: Parallel Oral Session 4B

Session

10:30 - 10:45 AM

Evolution of partially miscible ganglia in porous media: A pore-network approach

Speaker

Dr Yashar Mehmani

10:45 - 11:00 AM

Study on Flow Mechanism and oil Displacement Mechanism of Microcapsule Polymer in Porous Media

Speaker

Yongsheng Liu

11:00 - 11:15 AM

Comprehensive Study of Fluid-Fluid Displacement in Mixed-Wet Porous Media

Speaker

Ashkan Irannezhad

11:15 - 11:30 AM

Coupling porous medium-free flow: Formation and evaporation of multiple droplets at the interface

Speaker

Maziar Veyskarami

11:30 - 11:45 AM

Unstable invasion during imbibition in regular porous media

Speaker

Dr Zhongzheng Wang

11:45 AM - 12:00 PM

Factors influencing shale wettability from nano to macro-scale

Speaker

Mr Ahmed Reda Fathy

12:00 - 12:15 PM

Characterisation of hydrocarbon bio-degradation in porous media

Speaker

Dr Anne Edith Larue

12:15 - 12:30 PM

A quadrature-based scheme for numerical solutions to linearized unsaturated flow equation

Speaker

Fabio Vito Difonzo

12:30 PM

4:30 PM

MS06-B: Parallel Oral Session 6B**Session**

4:30 – 4:45 PM

Impact of Aqueous-phase Ions on Asphaltenic Crude Oil-Water Interfaces**Speaker**

Ahmed M. Saad

4:45 – 5:00 PM

Comparison between secondary and tertiary low salinity waterflooding in carbonates: pore-scale processes, wettability changes and recovery**Speaker**

Mr Ahmed Selem

5:00 – 5:15 PM

Pore-scale Assessment of Spontaneous Imbibition from Layer to Layer**Speaker**

Mr Jamal Alaamri

5:15 – 5:30 PM

Numerical Simulation of Multi-phase Flow in Porous Media with a Phase-field Method**Speaker**

Mr Lukas Maier

5:30 – 5:45 PM

Liquid relative permeability through foam-filled porous media**Speaker**

Mrs Margaux Ceccaldi

5:45 – 6:00 PM

Effect of nanoparticles on the water-soluble polymers flow in porous media**Speaker**

Dr Mohsen Mirzaie Yegane

6:00 PM