

Session Program

30 May 2022 to 2 June 2022



InterPore2022

MS08

Monday 30 May

10:50

MS08: Parallel Oral Session 1F

Session

10:50–11:05

Feedback mechanisms between precipitation and dissolution reactions across randomly heterogeneous conductivity fields

Speaker

yaniv edery

11:05–11:20

Pattern formation in carbonate precipitation in confined geometry

Speaker

Ms Negar Shahsavar

11:20–11:35

Multiscale characterisation of gas diffusion in coal

Speaker

Dr Yu Jing

11:35–11:50

Autocatalytic reaction-diffusion-advection fronts in radial geometry

Speaker

Dr Alessandro Comolli

11:50–12:05

Inertia and 3D Flow Effects on Mixing and Reaction at Channel Intersections

Speaker

Peter Kang

12:05–12:20

Laboratory-Scale Investigation of Secondary Sulfate Precipitation in Marcellus and Wolfcamp Shales

Speaker

Asli Gundogar

12:20

14:10

MS08: Parallel Oral Session 2F

Session

14:10–14:25

Three-Dimensional Imaging of Density-Driven Convection in Unconsolidated Glass Packings and Consolidated Rock Samples Using X-Ray CT Scanning

Speaker

Anna-Maria Eckel

14:25–14:40

Flow heterogeneity impact on dissolution reaction behavior in geologic porous media

Speaker

Zoe Kanavas

14:40-14:55

Gravity shapes permafrost melting after saline water invasion

Speaker

Ms Yumin Wang

14:55-15:10

Impact of flow rate on chemical gradients and mixing dynamics in porous media

Speaker

Oshri Borgman

15:10

Tuesday 31 May

10:30

MS08: Parallel Oral Session 4E

Session

10:30–10:45

Dispersion and Retention of Colloids in Saturated Sandstone from the Microscale to the Macroscale

Speaker

Dr Dian Fan

10:45–11:00

Open-FOAM simulation and analysis of non-Fickian transport in truncated pluri-Gaussian permeability fields.

Speaker

Eugenio Pescimoro

11:00–11:15

Evidence of anomalous transport controls on long-term variability in stream water chemistry

Speaker

Brian Berkowitz

11:15–11:30

Pollutant dispersion in heterogeneous porous media: On the impact of the heterogeneity of the exchange rate and permeability field in Mobile-Immobile transport simulations

Speaker

laurent talon

11:30–11:45

How does the presence of an oil phase influence the non-Fickian salt transport during low salinity waterflooding EOR?

Speaker

Arman Darvish Sarvestani

11:45–12:00

Effect of the connectivity of alluvial aquifers on groundwater flow and solute transport

Speaker

anthony beaudoin

12:00–12:15

Impact of nanopores in clay on accessibility and connected porosity in sandstone samples

Speaker

Md Fahim Salek

12:15-12:30

Modelling Transverse Anomalous Solute Transport in Highly Heterogeneous Porous Media

Speaker

Aronne Dell'Oca

12:30