

Session Program

31 May 2021 to 4 June 2021

A banner for the InterPore2021 Online conference. It features a hexagonal logo with a blue and white molecular structure on the left. The text 'InterPore2021' is in large black font, with 'Online' in a smaller italicized font below it. To the right, it says '13th Annual Meeting' and '31 May - 4 June 2021'. At the bottom left, it says 'Don't miss a moment!' and at the bottom right, it says 'Plan to view presentations before the conference' in blue text. The background has a blue and grey geometric design.

 **InterPore2021**
Online

13th Annual Meeting
31 May - 4 June 2021

Don't miss a moment! [Plan to view presentations before the conference](#)

InterPore2021

MS8

Monday 31 May

18:00

MS8: MS08 (1)

Session

18:00-18:15

Three-Dimensional Imaging of Density-Driven Convection in Porous Media Using X-ray CT Scanning

Speaker

Anna-Maria Eckel

18:15-18:30

Experimental investigation of buoyant convection in a heterogeneous porous media: Two-layers separated by an inclined permeability jump*

Speaker

Mr K. S. Bharath

18:30-18:45

An open-source integrated solution for flow and transport in random heterogeneous porous media

Speaker

Eugenio Pescimoro

18:45-19:00

Pore-scale imaging of unsaturated solute transport to determine the influence of fluid distribution on solute spreading and mixing

Speaker

Stefanie Van Offenwert

19:00-19:15

Numerical study of dispersion through displacing phase in unsaturated porous media

Speaker

Rasoul Soufi

19:15-19:30

Effective Transport Parameters of Porous Media from Microstructure Images.

Speaker

Mr Lukas Maier

19:30

Friday 4 June

10:40

MS8: MS08 (2)

Session

10:40-10:55

Saturated Colloid transport experiments under unfavorable conditions in Dual-Porosity PDMS micro-models.

Speaker

Enno de Vries

10:55-11:10

Lagrangian Intermittency in Colloid Transport Through Porous Media

Speaker

Veronica Morales

11:10-11:25

A detailed pore scale modelling of colloid transport in porous media using lattice Boltzmann method

Speaker

Mandana Samari Kermani

11:25-11:40

Porosity-permeability relationships for subflorescent salt crusts from evaporation of sand columns with varying initial salt concentration

Speaker

Joseph Piotrowski

11:40

14:00

MS8: MS08 (3)

Session

14:00-14:15

Optimal Fluid Stretching for Mixing-limited Reaction in Rough Fracture Flows

Speaker

Seonkyoo Yoon

14:15-14:30

Impact of Physical Heterogeneity on Effective Reaction Rates

Speaker

Rodolfo Oliveira

14:30-14:45

Effects of Inertia and Diffusion on Reactive Transport with Fluid-Solid Reactions in Rough Fractures

Speaker

Mr Woonghee Lee

14:45-15:00

Effective dispersion coefficients for the upscaling of pore-scale mixing and reaction in heterogeneous porous media

Speaker

Alexandre Puyguiraud

15:00-15:15

Coupled Thermal-Hydrological-Mechanical-Chemical Model For Reactive Dissolution and Wormhole Formation in Vugs Carbonate Rocks**Speaker**

Cunqi Jia

15:15-15:30

Modeling the evolution of fractured media using a multiscale approach**Speaker**

Sergi Molins

15:30-15:45

Rayleigh-Taylor Instability in 2D and 3D Dispersive Porous Medium**Speaker**

Dr Jayabrata Dhar

15:45-16:00

Relative contributions of permeability heterogeneity and viscosity contrast on scalar mixing**Speaker**

Alessandra Bonazzi

16:00