

Session Program

30 May 2022 to 2 June 2022



InterPore2022

MS23

Wednesday 1 June

16:00

MS23: Parallel Oral Session 9B

Session

16:00–16:15

Field-scale Modeling of CO₂ Injection into Highly Reactive Rocks

Speaker

Prof. Michael Celia

16:15–16:30

Dynamic mesh optimisation for efficient density-driven flow simulations

Speaker

Dr Meissam L. Bahlali

16:30–16:45

Modeling of the Darcy-Brinkman Equation Indicates Possibility of Deterministic Chaotic Behavior for Flow in Fractured-Porous Media

Speaker

Boris Faybishenko

16:45–17:00

Structure induced vortices control anomalous dispersion in porous media

Speaker

Prof. Pietro de Anna

17:00

Thursday 2 June

09:10

MS23: Parallel Oral Session 10B

Session

09:10–09:25

From streamlines to discrete fracture modelling of multi-phase flow and deformation in fractured porous media

Speaker

Rainer Helmig

09:25–09:40

Characterising flow and transport in fractured geological media: 20 years later

Speaker

Sebastian Geiger

09:40–09:55

Global sensitivity analysis on a groundwater flow model in a regional- scale with uncertain parameters: a case study in the Middle Magdalena Valley- Colombia.

Speaker

Mr Boris Lora Ariza

09:55–10:10

Structure and stochastic dynamics of hydrodynamic flow and transport in three-dimensional random fracture networks

Speaker

Marco Dentz

10:10

11:20

MS23: Parallel Oral Session 11B

Session

11:20–11:35

Impact of nano-porous coatings on rates of coupled dissolution-precipitation reactions

Speaker

Simon Emmanuel

11:35–11:50

Impact of hydro-chemical conditions on structural and hydro-mechanical properties of chalk samples during dissolution experiments

Speaker

Linda Luquot

11:50–12:05

Bifurcating-Paths: the relation between preferential flow bifurcations, void, and tortuosity on the Darcy scale.

Speaker

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12:20