

Session Program

May 13 - 16, 2024



InterPore2024



中國石油大學(華東)
China University of Petroleum

16th Annual Meeting & Conference Courses

13 - 16 May 2024

Shangri-La Hotel

Qingdao, China

Conference Courses 12 & 17 May



InterPore2024

MS08

Mon, May 13

11:25 AM

MS08: 1.1

Session

11:25 - 11:40 AM

Dispersion and Straining Behaviors of Non-Spherical Suspended Particles in Saturated Randomly Packed Beads: A Numerical and Theoretical Study

Speaker

Mr Yaoming Chen

11:40 - 11:55 AM

Dispersion Control in Fractured Multi-Layer Porous Media System

Speaker

Bowen Ling

11:55 AM - 12:10 PM

Non-monotonic effect of compaction on dispersion coefficient of porous medium

Speaker

Yang Liu

12:10 - 12:25 PM

Probing Transport in Geologic Porous Materials by Fast X-ray Micro-Computed Tomography

Speaker

Takeshi Kurotori

12:25 PM

1:25 PM

MS08: 1.2

Session

1:25 - 1:40 PM

Investigating the limits of averaging: a numerical case study employing diffusion-reaction in porous media

Speaker

David Rieder

1:40 - 1:55 PM

Reactive Solute Transport in Heterogeneous Porous Media

Speaker

Mengzi Ren

1:55 - 2:10 PM

Fingering Instability During Mixing-Driven Precipitation Flow: Experiments and Simulations

Speaker

Dr Benzhong Zhao

2:10 - 2:25 PM

Pore-scale digital twin of sorption thermal energy storage in packed bed reactor using a machine-learning assisted dual-network model

	<p>Speaker Mingliang Qu</p>
<p>2:55 PM</p>	<p>2:40 - 2:55 PM Quantification of crystal surface reactivity using positron emission tomography (PET) techniques</p> <p>Speaker Jann Schöngart</p>
<p>5:00 PM</p> <p>6:00 PM</p>	<p>MS08: 1.3 Session</p> <p>5:00 - 5:15 PM Dissolution patterns and permeability evolution in dissolving fracture under mechanical deformation</p> <p>Speaker Kai Li</p> <hr/> <p>5:15 - 5:30 PM A mechanistic investigation of oscillatory zoning using reactive transport modeling</p> <p>Speaker Dr Hang Deng</p> <hr/> <p>5:30 - 5:45 PM Quantifying dissolution dynamics in porous media using a spatial flow focusing profile</p> <p>Speaker Tomasz Szawelto</p> <hr/> <p>5:45 - 6:00 PM Dynamics of contaminant flow through porous media containing biochar adsorbers</p> <p>Speaker Dr Kaj Pettersson</p>

Tue, May 14

10:55 AM

MS08: 2.1

Session

10:55 - 11:10 AM

Salinity-induced melting of underlaying permafrost

Speaker

Yumin Wang

11:10 - 11:25 AM

How does access to continuous brine sources in saline aquifers enhance salt precipitation dynamics during geological CO₂ storage?

Speaker

Dr Mohammad Nooraiepour

11:25 - 11:40 AM

Experimental and Numerical Study of Carbon Dioxide Geological Storage in Coal - A Comparative Analysis with the application of Positron Emission Tomography Imaging.

Speaker

Aaron Uthaia Kumaran

11:40 - 11:55 AM

Cotransport of clay and microplastics in saturated porous media

Speaker

Mahima Horta

11:55 AM