

Session Program

May 19 - 22, 2025



 **InterPore2025**

Sandia National Laboratories
Los Alamos NATIONAL LABORATORY
NEW MEXICO TECH
SCIENCE • ENGINEERING • RESEARCH • UNIVERSITY
THE UNIVERSITY OF NEW MEXICO

**17th Annual Meeting
& Conference Courses**

19 - 22 May 2025
Albuquerque, New Mexico, *USA*
Conference Courses 18 & 23 May

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InterPore2025

Invited Lecture

Mon, May 19

4:35 PM

Invited Lecture: Invited 1 Session

4:35 - 5:05 PM

Evolution of subsurface fluid-rock-microbial systems over geologic timescales

Speaker

Jennifer McIntosh

5:05 PM

4:35 PM

Invited Lecture: Invited 2 Session

4:35 - 5:05 PM

Water transport through hygroscopic porous materials (paper, wood, textiles, fiber panels): a subtle three-phase flow

Speaker

Philippe Coussot

5:05 PM

Tue, May 20

8:30 AM

Invited Lecture: Invited 3 Session

8:30 - 9:00 AM

The Influence of Multiple Scales in Fractured Media on Flow and Transport Properties

Speaker

Jeffrey Hyman

9:00 AM

8:30 AM

Invited Lecture: Invited 4 Session

8:30 - 9:00 AM

Phase-field modeling for multiphase flow and geomechanical processes

Speaker

Luis Cueto-Felgueroso

9:00 AM

Wed, May 21

8:30 AM

Invited Lecture: Invited 5 Session

8:30 - 9:00 AM

Anomalous Transport in Porous Environments due to Energy Barriers, Self-Propulsion and Dynamic Confinement

Speaker

Daniel Schwartz

9:00 AM

8:30 AM

Invited Lecture: Invited 6 Session

8:30 - 9:00 AM

Reactive transport processes in porous rock sample: role of local heterogeneities.

Speaker

Linda Luquot

9:00 AM

Thu, May 22

8:30 AM

Invited Lecture: Invited 7 Session

8:30 - 9:00 AM

Soil redox dynamics mediated by interacting biological and physical processes during Managed Aquifer Recharge

Speaker

Veronica Morales

9:00 AM

8:30 AM

Invited Lecture: Invited 8 Session

8:30 - 9:00 AM

Gravity currents in heterogeneous media

Speaker

Prof. J. Jaime Gómez-Hernández

9:00 AM