



InterPore2026

17th Annual International Conference on Porous Media

19-22 MAY 2026

NANTES, FRANCE

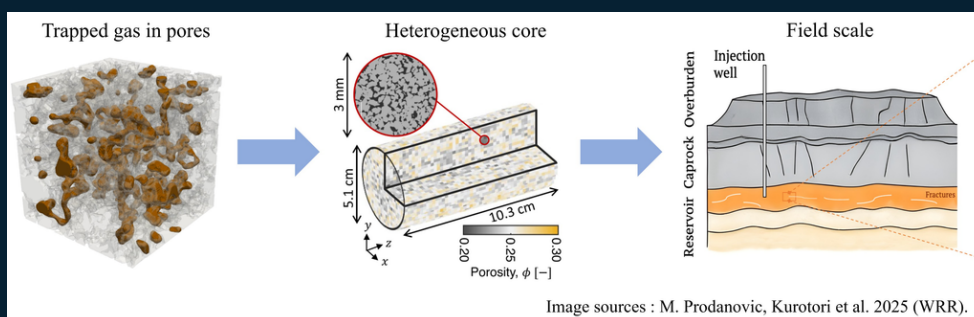
CONFERENCE COURSES

18 & 23 MAY

MS05 – PHYSICS OF MULTIPHASE FLOW IN DIVERSE POROUS MEDIA

Lead Organizer: *Chao-Zhong Qin* - Chongqing University, China

Co-Organizers: *Saman Aryana* - University of Wyoming, USA · *Ying Gao* - Shell, The Netherlands · *Hossein Hejazi* - University of Calgary, Canada · *Yu Jing* - University of New South Wales, Australia · *Hassan Mahani* - Sharif University of Technology, Iran · *Olivier Pitois* - CNRS, Université Gustave Eiffel, France · *Masa Prodanovic* - The University of Texas at Austin, USA · *Ke Xu* - Peking University, China · *Tao Zhang* - Southwest Petroleum University, China · *Tongke Zhou* - University of Manchester, UK



SESSION OVERVIEW

Multiphase flow is crucial to enormous energy, environment, and materials applications, ranging from CO₂ storage and groundwater remediation to fuel cells and membrane systems. This minisymposium examines the pore- to Darcy-scale physics of multiphase displacements, emphasizing relationships between microstructures, fluid properties, and macroscopic behaviors. Topics include experimental, theoretical, and computational advances that improve understanding of scaling, wettability, and dynamic flow regimes. By linking observations and modeling across scales, the session aims to refine the physical foundations of multiphase flow in complex porous systems.

CONFERENCE HIGHLIGHTS

- **Interdisciplinary insights into porous media**
- **Focus Theme:** Natural Porous Media for Green Housing
- **Plenary Speakers:** Paolo Colombo · Sophia Haussener · Katharine Maher · Philip Withers
- **Invited Speakers:** Maria Barrufet · Jesús Carrera · Nicola Hüsing · Lara Manzocco · Yves Méheust · Timothy Scheibe · Gabriel Tobie · Tiziana Tosco
- **Features:** Exhibition Hall · Networking Events · Student Awards · Publishing Opportunities · Conference Grants

Submit an abstract

interpore.org/2026