



InterPore2020

12th Annual Meeting & Short Courses

Aug 31- Sep 3, 2020

Shangri-La Hotel, Qingdao, China



JOIN THE CONFERENCE AND VISIT EXCITING QINGDAO

The **scientific program** will cover most porous media subjects, including:

- **Imaging, modelling and simulation**
- **Monitoring & characterization methods**
- **Experimental & simulation methods**
- **Uncertainty quantification & risk analyses**
- **Forward & inverse modelling**

for pore-scale, lab-scale and field-scale academic, environmental and industrial problems.

More than 90% of last year's participants recommend attending InterPore meetings.

THE PERFECT VENUE

The **luxury five-star Shangri-La Hotel** is located in **Qingdao**, a very **cosmopolitan port city** at the **Yellow Sea**. It offers conference center and residence at one location. Known for **Tsingtao Beer** and **international festivals** it promotes **friendship, economic & cultural exchanges** between China and others **all over the world**. Come and enjoy one of China's **most livable cities**.

Presentations will be given on a wide variety of porous media processes in very diverse applications, such as:

- **Geological reservoirs**
- **Soil**
- **Food**
- **Wood**
- **Biological tissues**
- **Filters**
- **Membranes**
- **Paper and textiles**

High-quality and lively Poster Presentation Sessions and Exhibitions.



www.interpore.org/qingdao

Contact: conference2020@interpore.org





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Plenary Speaker



Aimy Bazylak, University of Toronto

Designing porous materials for improved fuel cell and electrolyzer performance



Signe Kjelstrup, NTNU Norway

Addressing the water scarcity problem with thermal osmosis



Qinjun Kang, Los Alamos National Lab

Pore-Scale Direct Numerical Simulation of Flow and Transport in Energy and Environment



Dominik Obrist, University of Bern

Microscopical lesions of the transport system of organs and their relation to clinically observable large-scale phenomena

Invited Speaker



Bernd Flemisch, University of Stuttgart

Modelling flow and transport processes in complex porous media



Olga Vizika, IFP Energies nouvelles

Experimental investigation and modeling of the effect of microstructure and heterogeneities at different scales on the displacement mechanisms and macroscopic flow properties of sandstones and carbonates



James McClure, Virginia Polytec. Inst. and State University

Topology and its effects on fluid flow



Martin Vohralík, Inria Paris

A posteriori error estimates and adaptive solvers for porous media flows



Muhammad Sahimi, University of Southern California

Porous Media, Small and Large: From Atomistic Modeling of Nano-Porous Membranes to Modeling of Flow and Transport in Geological Formations



Moran Wang, Tsinghua University

Electrokinetic and ion transport in micro / nanoporous media



Fred Vermolen, TU Delft

Research on modelling the brain as a porous medium and using effects of vibrations from heart beat on the brain for an early diagnosis of brain diseases



Guang Yang, Shanghai Jiao Tong University

Coupling free flow and porous-media flow, applications to aerospace and mechanical engineering



Lilit Yeghiazarian, University of Cincinnati

HydroGrid: Emerging Technologies for Global Water Quality and Sustainability