

Summary InterPore Norway 2023

The 6th meeting of the Norwegian Chapter of InterPore was held in Oslo on November 9th 2023. The meeting was organized by Marcel Moura and Janne Hoff and was hosted by PoreLab and the University of Oslo at the Oslo Science Park conference center. About 45 participants attended the workshop with a good balance between university, industry and research institutes. The workshop counted 10 presentations by invited speakers, of which 6 were from universities and 4 from industry / research institutes. An open discussion session was organized on the topic of “Challenges and opportunities to promote better integration between academia, industry and research institutes”. We believe the discussion was very fruitful and it helped the community to understand some of the typical bottlenecks that may hinder better integration between the parts.

A business meeting of the Norwegian Chapter of InterPore was included as part of the program and it gave the community the opportunity to better understand the current and planned future actions of InterPore Norway.







Welcome to InterPore Norway 2023!

The mission of InterPore Norway, the Norwegian Chapter of InterPore, is to create a platform for scientists and engineers involved in porous media studies in Norway or with connection to Norway. InterPore Norway focuses on interdisciplinary fundamental and applied studies of porous media in connection with national and international technological demands. It aims to advance and disseminate knowledge for the understanding, description, and modelling of natural and engineered porous media systems.

When: November 9th, 2023 at 09:00

Where: Oslo Science Park (Forskningsparken) Conference Centre. Room: Faros / Toppsenteret. Address: Gaustadalléen 21, Oslo. Closest metro station: Forskningsparken.

Registration:

<https://bit.ly/interporenorway2023>

Program

09:00	Opening
09:10	Majid Hassanizadeh (Utrecht University and Stuttgart University) – “Microfluidic studies of two-phase flow, colloid transport, and heat transport”
09:40	Dag Chun Standnes (Equinor ASA) – “Generalized Darcy’s law”
10:10	Eirik Grude Flekkøy (PoreLab, University of Oslo) – “Cavitation dynamics in creeping flow”
10:40	Coffee Break
11:00	Hans Petter Jostad (Norwegian Geotechnical Institute) – “From micro to macro relationships of coupled mechanical and fluid flow behaviour of assemblies of stiff particles of different shapes”
11:30	Round table – Open discussion session on “Challenges and opportunities to promote better integration between academia, industry and research institutes”.
12:00	Lunch

13:00	Espen Jettestuen (NORCE Norwegian Research Centre) – “Ostwald ripening of trapped gas in the presence of oil and water in subsurface storage”
13:30	Antje van der Net (PoreLab, Norwegian University of Science and Technology) – “Streaming potential measurements in bead packs”
14:00	Coffee Break
14:20	Business Meeting InterPore Norway
14:50	Marius Causemann (Simula Research Laboratory) – “The pulsating brain – a mathematical perspective”
15:20	Paula Reis (PoreLab, University of Oslo) – “A simplified pore-scale model for slow drainage including film-flow effects”
15:50	Coffee Break
16:00	Kevin Pierce (PoreLab, University of Oslo) – “Impact of the solid structure on solute mixing in porous media flows”
16:30	Douglas Durian (University of Pennsylvania) – “Flow networks that learn”
17:00	Closing
18:00	Self-organized dinner EGON Karl Johan restaurant

Steering Committee InterPore Norway

Sarah Gasda (NORCE Norwegian Research Centre), chair

Alex Hansen (Norwegian University of Science and Technology)

Marcel Moura (University of Oslo)

Jakub Wiktor Both (University of Bergen)

Aksel Hiorth (University of Stavanger)

Seyed Ali Ghoreishian Amiri (Norwegian University of Science and Technology)

Organizing Committee InterPore Norway 2023

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