3rd National Workshop on Porous Media
October 16th 2019, Stavanger

Background
The mission of 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. The Norwegian Chapter of InterPore focuses on interdisciplinary and/or fundamental studies of porous media in connection with applications and national and international technological demands. It aims to advance and disseminate the existing knowledge in description and modeling of natural and engineered porous media systems.

The Norwegian Chapter of InterPore (InterPore Norway) was founded in September 2016 with a kick-off workshop in Bergen. The workshop brought together an outstanding list of speakers, both from academia and industry.

Scope
Theoretical, computational and experimental poromechanics, porous media science and technology.

Topic
Recent technological advances in porous media research, microfluidics, thermo/fluid dynamics, and rheology – theory, modelling, and experiments.

Workshop Format
Lectures in different disciplines of porous media given by national and international invited speakers, followed by a poster session.

Steering Committee InterPore
Alex Hansen (NTNU), Chair
Gustav Grimstad (NTNU)
Kundan Kumar (UiB)
Sarah Gasda (NORCE)
Marcel Moura (UiO)

Program October 16th 2019
Chair Aksel Hiorth
09:15 Bill Rossen, TU Delft
Successes and Challenges for Microfluidics as Models for 3D Porous Media
10:00 Matthew Jackson, Imperial College
Zeta potential in crude-oil-brine-rock systems and its importance in enhanced oil recovery
10:45 Martin Fernø, Universitetet i Bergen
Laboratory pore-scale observations related to CO₂ storage and CCUS
11:30 Lunch

Chair Dmitry Shogin
12:30 Johan Olav Helland, NORCE
Three-phase capillary trapping in porous media
13:15 Alex Hansen, NTNU
Can we do better than relative permeability when scaling up immiscible two-phase flow in porous media?
14:00 Coffee break

Chair Sarah Gasda
14:15 Gaute Linga, Universitetet i Oslo
Influence of roughness, inertia and surface charge on fluid transport in fractures and pores: Insights from direct numerical simulations
15:00 Coffee break
15:15 Poster session & discussions
17:45 End of scientific programme

Place: Arkivenes Hus
Address: Richard Johnsens gate 12 – AH, 401

Registration
Online registration: www.uis.no/ior
Deadline September 20, 2019

More information
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