09:00 Registration
10:00 Marit Boyesen, Rector, UiS
10:15 Merete Vadla Madland, The National IOR Centre of Norway/UiS and Arne Graue, NFIP
10:30 Ingvil Smines Tybring-Gjedde, Ministry of Petroleum and Energy
IOR in a government perspective

#1: IOR POTENTIAL OF THE NORWEGIAN CONTINENTAL SHELF

10:50 Arvid Østhus, NPD
NCS - Even more to gain
11:10 Gunnar Hjelmtveit Lille, OG21
The promise of technology to unlock value on the NCS
11:30 Questions and PhD stand up 1
12:00 Lunch

#2: SIMULATION AND MODELING OF IOR PROCESSES

13:00 Mojdeh Delshad, University of Texas, Austin
Recent advances in chemistry and design expand applicability of polymers to high temperature/high salinity in low permeability sandstone and carbonate reservoirs
Core scale EME for IOR: experiment- modelling-experiment
13:40 Aksel Hiorth, The National IOR Centre of Norway/UiS/IRIS
Simulation Tools for Predicting IOR Potential on the Norwegian Continental Shelf
14:00 Questions and PhD stand up 2
14:25 Coffee break

#3: USING THE DATA INFORMATION FOR IOR

15:00 Amos Nur, Stanford University
The Future Impact of Digital Rock Physics
15:20 Dario Grana, University of Wyoming
Stochastic approaches to seismic reservoir characterization for improved modeling and prediction
15:40 Morten Jakobsen, The National IOR Centre/UiB/IRIS
Time-lapse full-waveform inversion as a smart monitoring tool for future IOR
16:00 Jarle Haukås, The National IOR Centre/Schlumberger
Analysis of enhanced permeability using 4D seismic data and locally refined simulation models
16:20 Alfred Hanssen, ARCEx
Seismics in the Arctic: Ice and Bubble Generated Noise
16:40 Debate
17:00 End of scientific program

Conference dinner at Stavanger Hall, Clarion Hotel Stavanger, 24 April 19:00
#4: JOINT WORK FOR FUTURE IOR

09:00  Greetings from County Mayor Solveig Ege Tengesdal
09:10  Sigmund Stokka, IRIS/DrillWell
       DrillWell – Drilling and Well Centre for Improved Recovery
09:30  William Rossen, TU Delft
       A Laboratory Study of Foam for EOR in Naturally Fractured Reservoirs
09:50  Questions and PhD stand up 3
10:15  Coffee break

#5: EOR METHODS FOR THE FUTURE

10:30  Matthew Jackson, Imperial College, London
       Zeta potential changes at mineral-brine and oil-brine interfaces control improved oil recovery during smart waterflooding
10:50  Lesley James, Memorial University of Newfoundland
       Smart SCAL for Smart IOR Solutions
11:10  Ana Todosijevic, Wintershall
       EOR Competence along the Value Chain
11:30  Tor Bjørnstad,
The National IOR Centre of Norway/IFE
       Nanoparticles as oil detectives
11:50  Questions
12:00  Lunch

#6: RESERVOIR CHARACTERIZATION AND DECISION MAKING

13:00  PhD stand up 4
13:10  Ann Muggeridge, Imperial College, London
       Screening for EOR and Estimating of Potential Incremental Oil Recovery on the Norwegian Continental Shelf
13:30  Danielle Morel, TOTAL
       Innovation and Standardization for an agile EOR deployment
13:50  Aojie Hong, The National IOR Centre of Norway/UiS
       What would be the best time for IOR? – Fast analysis in a decision analysis framework
14:10  Questions
14:20  Coffee break

#7: SUSTAINABILITY OF IOR

14:45  Hans Christen Rønnevik, Lundin
       Unfolding the reality from plays to prospects and fields is continued learning based on awareness of conceptual, factual and technological Incompleteness
15:05  Signe Kjelstrup, NTNU
       Energy efficiency in the process industry: Learning from nature
15:25  Questions
15:35  Skjæveland Award / summing up
16:00  End of conference

"A UNIQUE OPPORTUNITY TO ENGAGE WITH IOR PROFESSIONALS AND RESEARCHERS FROM NORWAY AS WELL AS EUROPE AND FURTHER AFIELD"
When: 23 April 10:00–17:00 (Icebreaker reception 17:30)
Where: Kjell Arholms hus, Auditorium 3
Chair: Knut Uleberg, Statoil
Theme: «Integrating the value-chain of IOR research in field development plans»

10:00 Welcome - Merete Vadla Madland
The National IOR Centre of Norway

10:10 Reidar Bratvold
The National IOR Centre of Norway / UiS
Big Data, Little Thinking

10:40 Geir Evensen
The National IOR Centre of Norway / IRIS
Using iterative ensemble smoothers in the presence of model errors

11:10 Massimo Virgilio
Schlumberger
Integration of disciplines and automation of processes for digital production optimization

11:40 Xiaodong Luo
The National IOR Centre of Norway / IRIS
Big data assimilation and uncertainty quantification in 4D seismic history matching

12:15 Lunch

13:15 Olwijn Leeuwenburgh
The National IOR Centre of Norway / TNO
Ensemble-based closed-loop field development

13:45 Alf Birger Rustad
Statoil
OPM for IOR projects

14:15 Martin Fernø
The National IOR Centre of Norway / UiB
How to upscale from lab to field: lessons learned from an ongoing CO2-foam field pilot project

14:45 Coffee break

15:15 Lawrence Cathles III
The National IOR Centre of Norway / Cornell University & Mahmoud Ould Metidji
Multicomponent tracer methods to assess fracture controlled flow tens of meters from the wellbore and a proposed field test

15:45 Amos Nur
Stanford University
Spatial heterogeneities: Seismic velocities, moduli, & perm; Fault system complexity; Upscaling schemes; and Diagenesis

16:15 Lesley James
Memorial University of Newfoundland
The impact of digitalisation of SCAL on field development

16:45 Summing up

17:30 Icebreaker reception