Petroleum Systems Conference 2023

Tuesday 23. May

HOUR:	DESCRIPTION:
08:30	**Registration**
09:00	**Welcome and introduction** Michael Lawson - Aker BP and Chair of Program Committee
	Regional Petroleum Systems Analysis Chairs: Jorge Sanchez-Borque and Tesfa Abay
09:05	**KEYNOTE: Understanding charge & HC migration failures in Norwegian North Sea** Balazs Badics - Senior geologist, Wintershall Dea Norway
09:40	**A comparison of the petroleum geology and rift structures of the Viking Graben (North Sea) and the pre-contractional Eastern Cordillera of Colombia.** Vinicius Riguete- IFP School Authors: Andrés Mora - Ecopetrol Mauricio Parra - Institute of Geosciences, University of Sao Paulo Gianreto Manatschal - University of Strasbourg
10:05	**Integrated source rock identification, characterization and extrapolation** Michael Lawson - Aker BP Authors: Mårten Blixt, Neal Morgan, Kjetil Westing, Christian Lehre, Benedikt Lerch and Paul Milner - Aker BP
10:30	**Refreshments and Networking**
10:50	**Migration marker compounds: Are we heading in the right direction?** Laura Milne - Integrated Geochemical Interpretation Ltd. in co-operation with AkerBP and Harbour Energy

HOUR:	DESCRIPTION:
11:15	**Predicting fluid migration pathways and dynamic flow localization in the subsurface** Lawrence Hongliang Wang - Institute for Energy Technology Authors: Viktoriya Yarushina - Institute for Energy Technology, Kjeller, Norway Reinier van Noort - Institute for Energy Technology, Kjeller, Norway
11:40	**Some myths of petroleum generation, expulsion, migration and trap filling** John G. Stainforth - Independent geological/geochemical consultant
12:05	**Lunch**
	Alternative Source rocks on the NCS Chairs: Sverre E. Ohm, UIS and Jon Halvard Pedersen - Aker BP
13:00	**KEYNOTE: Gas on the NCS – In an Europe – Starved of Energy** Dag Arild Karlsen, Tesfamariam Berhane Abay - University of Oslo
13:35	**Jurassic World – Camp Cretaceous: The evolution in the hunt for the hidden source** Benedikt Lerch - Aker BP
14:00	**Zechstein-like Petroleum Systems: A Preliminary Evaluation** Andres Cedeño - University of Stavanger Authors: Alejandro Escalona - University of Stavanger Andrew Pepper - This !s Petroleum Systems LLC Sverre Ohm - University of Stavanger Dora Marín - Vår Energi
14:25	**Refreshments and Networking**
14:45	**The 7130/4-1 Ørnen gas discovery on the Finnmark Platform: old gas - new play?** Jon Halvard Pedersen - Aker BP & Carl Erik Dons - Aker BP, retired

HOUR:	DESCRIPTION:
15:10	**Palaeozic Petroleum System Wanted: Rather Alive than Dead** Guro Skarstein- University of Stavanger Authors: Sverre E. Ohm og Alejandro Escalona - University of Stavanger
15:35	**Organic Geochemical Study of Bituminous Sedimentary Rocks in Ny Friesland, Spitsbergen: Insights into Potential Lower Paleozoic Source Rocks** Tesfamariam Berhane Abay - Department of Geosciences, University of Oslo Authors: Dag Arild Karlsen - Department of Geosciences, University of Oslo Nils-Martin Hanken - Department of Geosciences, University of Oslo Jon Halvard Pedersen - Lundin Norway As (Now Aker BP ASA) Snorre Olaussen - University Centre in Svalbard
16:00	**End of day one**
18:30	**Aperitif**
19:00	**Conference Dinner**

Wednesday 24. May

HOUR:	DESCRIPTION:
09:00	**Welcome and introduction, day 2** Michael Lawson - Aker BP and Chair of Program Committee
	Novel techniques applied to Petroleum Systems Analysis Chairs: Michael Lawson and Jorge Sanchez-Borque
09:00	**KEYNOTE: Molecular isotopic structure as a window on the origins and fates of natural hydrocarbons** Prof. John M. Eiler - Division of Geological and Planetary Sciences. California Institute of Technology

HOUR:	DESCRIPTION:
09:35	**Time constraints on hydrocarbon migration and caprock formation recorded by calcite spar in a Carboniferous–Permian carbonate-evaporite succession, Finnmark Platform, Barents Sea** Aivo Lepland - Marine Geologist - Geological Survey of Norway Authors: Malcolm S.W. Hodgskiss - Geological Survey of Norway Nivedita Thiagarajan - California Institute of Technology Niels Rameil - AkerBP Harald Brunstad - AkerBP Erik Hammer - AkerBP Jon Halvard Pedersen - AkerBP Kalle Kirsimae - University of Tartu Atle Mørk
10:00	**Fluid Chemistry Workflows for Production Allocation: An example from a North Sea Oilfield** Craig D. Barrie - Chief Operating Officer, Applied Petroleum Technology
10:25	**Sources of mercury in petroleum** Sverre E. Ohm - University of Stavanger / Consultant, OPGIS
10:50	**Refreshments and Networking**
	Natural gases - Subsurface to seeps Chairs: Olaf Thiessen and Christoph Kierdorf
11:05	**KEYNOTE: Greenhouse gas emissions from marine decommissioned hydrocarbon wells: leakage detection, monitoring and mitigation strategies** Dr. Christoph Böttner - Aarhus University
11:40	**A new young soure rock offshore western Svalbard proven with oil seep geochemical results - Possible regional implication for the westernmost Barents Sea** Rune Mattingsdal - Norwegian Petroleum Directorate
12:05	**Lunch**
13:00	**Seep and Overburden Gas - NO 7125/1-1 Binne vs Barents Sea et al** Olaf Thiessen - Equinor

HOUR:	DESCRIPTION:
13:25	**Well site gas for reservoir evaluation** Julian Moore - Applied Petroleum Technology (APT) Authors: Tim Dodd and Lloyd Jones - Applied Petroleum Technology (APT)
13:50	**A Simple Approach Using Standard Mud Gas Data to Distinguish Oil and Gas Zones in Depleted Reservoirs** Dr. Tao Yang - Senior Specialist Reservoir Technology Technology, Digital and Innovation, Equinor Authors: Alexandra Cely, Nan Cheng, Sandrine Donnadieu, and Marianne Iversen - Equinor
14:15	**Hydrocarbon evaluation in real-time using Advanced Mudgas Logging: fast-tracking exploration work and assist in safer and optimised operations** Daniel Finken, Senior Geologist Exploration - Equinor Authors: Mette Lundberg og Martin Niemann - Equinor
14:40	**Refreshments and Networking**
	Environment and Energy Transition Chair: Balazs Badics
14:55	**KEYNOTE: Deep sea mineral deposits on the NCS – learnings and challenges** Stig-Morten Knutsen - Chief Geologist, Norwegian Petroleum Directorate (NPD)
15:30	**Distribution of Upper Jurassic–Upper Cretaceous seals in the northern Horda Platform: considerations for CO2 storage within the Smeaheia area (EL002)** Johnathon L. Osmond - Doctoral Research Fellow, University of Oslo

HOUR:	DESCRIPTION:
15:55	**Measurements of capillary breakthrough pressures and permeabilities in traditional seals and application for CO2 storage** Magnus Soldal- Avdelingsleder Bergmekanisk og geofysisk testing, NGI and University of Oslo Elin Skurtveit - Associate Professor II - Study of sedimentary basins, NGI and University of Oslo Authors: Luke Griffiths - NGI Halvard Smith - NGI Lars Grande - NGI
16:20	**Voting for best talk of the conference & announcement of winner**
16:30	**Closing remarks and awards** Michael Lawson - Aker BP and Chair of Program Committee