

# **Petroleum Systems Conference 2021**

Tuesday 02. February

<b>HOUR:</b>	<b>DESCRIPTION:</b>
08:30	<b>Registration</b>
09:00	<b>Welcome to PSC 2021</b> Chair of the program committee, Maik Inthorn, Equinor
	<b>Improved Source rock understanding</b>
09:10	<b>Cretaceous source rocks in the North Atlantic realm: indications from the Nanok-1 borehole, North-East Greenland</b> Jørgen A. Bojesen-Koefoed, Chief Consultant (M.Sc., Ph.D.), Department of Reservoir Geology, GEUS
09:40	<b>The role of water mass restriction vs production on Lower-Middle Triassic source rock formation in Svalbard</b> Fredrik Wesenlund, PHD candidate, ARCEX - Research Centre for Arctic Petroleum Exploration, Department of Geosciences UiT The Arctic University of Norway
10:05	<b>Lower Cretaceous source rocks on the SW Barents Shelf</b> Andreas H. Hagset, Department of Geosciences, UiT The Arctic University of Norway, Tromsø, Norway
10:30	<b>Break</b>
10:30	<b>Facies and source rock variations within the Hekkingen Formation</b> Andres Cedeño, University of Stavanger
11:15	<b>Why do not source rock presence always correlate with gamma-ray spikes?</b> Solveig Hellenen, University of Stavanger
11:40	<b>The Upper Permian Ørret Formation source rock potential in well NO 7132/2-2 Gjøkåsen Deep</b> Olaf Thießen, Specialist Geology - Petroleum System Analysis, Equinor ASA
12:10	<b>Lunch</b>
13:00	<b>A source rock's life and death simulated with the Expulsinator 2.0</b> Martin Stockhausen, Christian-Albrechts-University - Kiel Institute of Geosciences

<b>HOUR:</b>	<b>DESCRIPTION:</b>
13:25	<b>Quantitative organo-facies mapping in a sequence stratigraphic framework</b> Dr. Birger Dahl, CEO, Pegis
13:50	<b>Delimiting source rock intervals and evaluating maturity based on mud-gas analysis and techniques</b> Trym Rognmo, UiS/GeoProvider
14:15	<b>Break</b>
	<b>Data integration, digitalization and advanced analytics</b>
14:35	<b>Keynote: Data Driven Petroleum Phase Prediction (A Top-Down Basin Modelling Approach for Conventional Exploration)</b> Dr. Friedemann U. M. Baur, Senior Petroleum Systems Analyst, Chevron
15:00	<b>Machine learning based oil family classification above 62 degrees north</b> Benedikt Lerch, Aker BP
15:25	<b>TOC prediction from well logs using machine learning</b> Alejandro Kuha, Geophysicist - Exploration, Wintershall Dea Norge
15:50	<b>Machine learning prediction of hydrocarbon pay</b> Daniel Stoddart, Principal Geo/Data Scientist, Earth Science Analytics AS
16:15	<b>Probabilistic resource assessment using Bayesian Networks to update uncertainty in Basin Modeling</b> Tanvi Cheda, PHD candidate, Stanford University
16:40	<b>End of Day 1</b>

Wednesday 03. February

<b>HOUR:</b>	<b>DESCRIPTION:</b>
	<b>Petroleum systems analysis case studies for play and prospect evaluations + modelling</b>
09:05	<b>Keynote: Future Developments in Petroleum Systems Modeling</b> Bjørn Wyrigala, Schlumberger
09:35	<b>Using widespread natural gas seepage from the seafloor to better understand the petroleum systems in the Barents Sea</b> Rune Mattingsdal, Geolog, Oljedirektoratet
10:00	<b>Gas leakage history of the Vestnesa ridge - inferences from high resolution PSA modelling</b> Matthias Daszinnies, Migris
10:25	<b>Break</b>
10:50	<b>Revisiting the Trøndelag Platform Petroleum System, Norwegian Sea</b> Eric Mueller, Manager G&G, PGS
11:15	<b>Charge History of the Utsira High</b> Rolando di Primio, Exploration Geology Manager, Lundin Energy
11:40	<b>Extending Basin &amp; Petroleum Systems Modelling into Probabilistic Asset Evaluation in Exploration and Appraisal</b> Dr. Martin Neumaier, Imperial College London
12:05	<b>Lunch</b>
	<b>Reservoir geo</b>
12:55	<b>Keynote: Reservoir fluid mapping while drilling using advanced mud gas</b> Tao Yang, Equinor
13:25	<b>Challenges in finding End members for Production Allocation</b> Thorsten Uwe Garlichs, Petroleum Systems Geologist, Exploration, Wintershall Norge AS
13:50	<b>High-resolution NMR: a new data set for whole oil geochemical analysis</b> Trond Brekke, Exploro
13:15	<b>Break</b>

<b>HOUR:</b>	<b>DESCRIPTION:</b>
	<b>Petroleum systems analysis case studies for play and prospect evaluations + modelling</b>
14:35	<b>Geochemistry and Basin Modelling Study of the Intermediate and Distal Sectors of the Mid Norway Margin: Implications for the Petroleum Systems and Prospectivity of the Deep Norwegian Sea</b> Tiago Cunha , IGI
15:00	<b>Non Jurassic-sourced petroleum systems - a review and regional implications</b> Chris Parry, University of Stavanger
15:25	<b>Derisking migration, vertical and lateral seal in plays and prospects on the NCS using advanced mud gas analysis</b> Wim Lekens, Suncor /GeoProvider
15:50	<b>Closing remarks</b>