## **Petroleum Systems Conference 2025**

## Wednesday 24. September

HOUR:	DESCRIPTION:
08:30	Registration
09:00	Welcome and introduction Jan Hendrik van Koeverden, Equinor and Chair of Program Committee
09:10	KEYNOTE: Petroleum systems studies open diverse energy transition opportunities - An Update Steve Larter, Technical Advisor, LysisLogic Scientific Inc.
	SOURCE ROCKS Chairs: Jan Hendrik van Koeverden & Michael Hertle
09:45	KEYNOTE: The Cretaceous source rocks (SRs) in the Vøring Basin - a Cold Case Investigation into a Hot Basin  Dag Arild Karlsen, Associate Professor, University of Oslo
10:20	A Tertiary deltaic source rock in the Nordic Seas Rune Mattingsdal, Geologist, Norwegian Offshore Directorate  Authors: Jochen Knies, NGU and UiT The Arctic University of Norway
10:45	Coffee Break and Networking Sponsored by Applied Petroleum Technology (APT)  Applied Petroleum Technology
11:10	Insights into the Paleozoic basins petroleum systems of the North Sea Alejandro Escalona, Professor, University of Stavanger  Authors: Carita Augustsson, University of Stavanger Norman Urrez, University of Stavanger Kate Powell, University of Stavanger

HOUR:	DESCRIPTION:	
11:35	Could Structural Models Be Used to Improve Understanding of Palaeozoic Plays in the Norwegian North Sea? Norman Urrez, PhD Candidate, University of Stavanger - Department of Energy Resources  Authors: Alejandro Escalona, University of Stavanger - Department of Energy Resources Carita Augustsson, University of Stavanger - Department of Energy Resources Daniele Blancone, University of Stavanger - Department of Energy Resources	
12:00	A new Zechstein Gp. source rock in the Southern North Sea: unlocking new prospectivity Alexandra Cournot, Principal Explorationist, Equinor Authors: Atle Folkestad, Equinor Alexandra Cournot, Equinor	
12:25	Student Poster Introduction Mila Kannemacher, RWTH Aachen University Jan David Wagner, University of Oslo Tereza Mosociova, University of Oslo Sponsored by TotalEnergies	TotalEnergies
12:35	Lunch	
	<b>GEOCHEMISTRY</b> Chairs: Geir Hansen & Christoph Kierdorf	
13:30	KEYNOTE: Application of Gel Permeation Chromatography in Petroleum System Analysis Eric Michael, Chief Geochemical Advisor (Americas), Applied Petroleum Technology (APT)  Authors: Gulnar Yerkinkyzy Shi Chen Michael Erdmann Tao Yang	

HOUR:	DESCRIPTION:
14:05	Challenging petroleum system hypotheses through unorthodox organic geochemistry workflows Renzo Silva, CEO & Scientist, LysisLogic Scientific Inc., Canada  Authors: Steve Larter, LysisLogic Scientific Inc. Daniel Stoddart, Aker BP Jon Halvard Pedersen, Aker BP Rolando di Primio, Aker BP
14:30	High Precision Analysis of Gas and Volatile Hydrocarbons in Unpreserved Rock Samples Paul Taylor, Principal Geochemist, Multiphase Analytics  Authors: Erik Tegelaar, Multiphase Analytics Bart van der Haven, Isolab BV Martijn Jellema, Isolab BV
14:55	Coffee Break and Networking Sponsored by Applied Petroleum Technology (APT)  Applied Petroleum Technology Technology
15:30	Migration tracers unravel migration routes of Veslefrikk, Oseberg-East and Brage Thorsten Uwe Garlichs, Head of Integrated Geochemical Studies and Production Services, GEOLOG International BV  Authors: Prof. Lorenz Schwark, University of Kiel
15:55	On the value of using heavy-ends geochemistry in petroleum system evaluation Brian Horsfield, CEO and Managing Director, GEOS4 GmbH  Authors: Brian Horsfield & Nicolaj Mahlstedt, GEOS4 GmbH, Germany

HOUR:	DESCRIPTION:	
16:20	Investigating the concept of migration-contamination of oil - A practical lab experiment using samples from the SW Barents Sea Jon Halvard Pedersen, Petroleum System Analyst, Aker BP  Authors: Geir Hansen, APT & Julia Laskowska, APT	
16:45	End of day one	
18:30	Aperitif	
19:00	Conference Dinner Sponsored by Aker BP	AkerBP

## Thursday 25. September

HOUR:	DESCRIPTION:
09:00	Welcome and introduction, day 2 Jan Hendrik van Koeverden - Equinor and Chair of Program Committee
	MODELLING Chairs: Michael Hertle & Kristian Angard
09:05	KEYNOTE: The past, present and future of PSM - a personal view Øyvind Sylta, CEO, Migris AS  Authors: Are Tømmerås, Migris AS
09:40	Migration efficiency modelling to predict Yet- to-Find (YTF) volumes for the NCS Alexander Hartwig, Partner and Chief of Modelling, GEOS4  Authors: Nicolaj Mahlstedt, GEOS4 Rolando di Primio, Aker BP

HOUR:	DESCRIPTION:	
10:05	Under pressure: using basin models to help predict reservoir quality in the Garn Formation in the Norwegian Sea David Gardiner, Senior Geochemist & Basin Modeller, IGI Ltd.  Authors: Caroline Lowrey, Petrostrat Rob Lander, Geocosm LLC Linda Bonnell, Geocosm LLC Suzi Burns, Petrostrat James Scorgie, Petrostrat Hannah Torrence, Petrostrat	
10:30	<b>Coffee Break and Networking</b> Sponsored by Applied Petroleum Technology (APT)	Applied Petroleum Technology
11:00	Integrating Dynamic Fault Seal and Multi-Reservoir Connectivity for Enhanced 3D Petroleum Systems Analysis Karthik Iyer, R&D Specialist, Bergwerk  Authors: Karthik Iyer Dani Schmid Hugh Andersen Petter Franzen Hege Lie Gisle Mjøen Lodve Olsborg Rolando di Primio Joachim Rinna The Yggdrasil team at AkerBP	
	INTEGRATION Chairs: Christoph Kierdorf & Kristian Angard	
11:25	KEYNOTE: PVT and Phase Behaviour Analysis in Petroleum Exploration: 30 Years Later Rolando di Primio, Exploration Manager, Aker BP	

HOUR:	DESCRIPTION:
11:55	Rock, Paper, Al: Pre-Prospecting Hydrocarbons in Post-Stack Seismic Øyvind Nernæs, CEO, Carnain & Abdul-Razzaq Aqrawi, COO, Carnain  Authors: Øyvind Nernæs, Carnain Abdul-Razzaq Aqrawi, Carnain
12:20	Lunch
13:20	Applications of mud gas data to exploration and production - an underutilized dataset with a potentially big impact Daniel Stoddart, Petroleum Systems Analyst, Aker BP & Lloyd Jones, Petroleum Geochemist and PSA, APT
13:45	Seal capacity resilience through geological time: a basin-geomechanics perspective from Lisa Structure, Offshore Denmark Juliana Maria Gonçalves de Souza, PhD in Geosciences, TotalEnergies/CVA Engineering  Authors: Juliana Maria Gonçalves de Souza, TotalEnergies/CVA Engineering  Yves M. Leroy, TOTAL Johannes Wendebourg, TotalEnergies
14:10	Traditional exploration techniques applied for enhanced exploration on the NCS - holistic organic geochemical characterization of Jurassic coals to improve hydrocarbon show analysis Arne Grobe, Project Leader TDI, Equinor ASA Norway  Authors: Laura Dorothea Zieger, Equinor ASA Norway Michael Erdmann, Equinor ASA Norway Andres Felipe Cedeno Motta, Equinor ASA Norway Jorunn Johannesen, Equinor ASA Norway
14:35	Closing remarks Jan Hendrik van Koeverden - Equinor and Chair of Program Committee