

The Biennial Geophysical Seminar 2022

Wednesday 18. May

HOUR:	DESCRIPTION:
11:30	Registration and lunch
12:00	Welcome and introduction Vetle Vinje, CGG
	Field Monitoring, Multi-Azimuth Chairs: Leila Bencherif-Sørensen, ConocoPhillips & Grunde Rønholt, PGS
12:15	Capturing the value of seabed seismic, challenges in processing and interpretation Ross Milne, Lead Geophysicist, Aker BP
12:40	Johan Sverdrup Permanent Reservoir Monitoring: data processing and first 4D observations Emin Sadikhov, Equinor
12:55	Permanent Reservoir Monitoring at Johan Sverdrup: 4D PP processing Jack Kosky, CGG
13:10	Results of the first dual azimuth 4D seismic survey in Goliat field Isaias Castillo, Vår Energi
13:28	Coffee Break
13:58	Addressing the imaging challenges of salt basins in the Barents Sea - combining streamers and nodes Jan Erik Lie, Lundin Energy
14:16	Imaging ultra-high density streamer data with FWI velocities. Quad 35 Hybrid MC3D - the world's first hybrid streamer and OBN survey acquired simultaneously Jeroen Hoogeveen Geoex MCG
14:34	Full Waveform Imaging and Hybrid Imaging of OBN and streamer of Quad 35 data offshore Norway Chris Walker, BGP Offshore

HOUR:	DESCRIPTION:
14:52	Enhancing reservoir and shallow target imaging with dual azimuth acquisition and FWI imaging: a case study from the Northern Viking Graben Thomas Latter, CGG
15:10	Coffee Break
	Chairs: Geraldine Dominique Vey, Aker BP & Lars Gunder Klefstad, Norwegian Petroleum Directorate
15:30	Reservoir properties estimation using an efficient MAZ towed multisensor streamer seismic Julien Oukili, PGS
15:48	New technologies for deep-water sparse OBN imaging Case study from the West of Shetland Hazem Ahmed, Schlumberger
16:04	Snøhvit OBN re-processing for uncertainty reduction Kristoffer Sundøy, Equinor
16:22	Towards clearer structural images inside SOAs at Eldfisk, the North Sea Zhengxue Li, ConocoPhillips
16:40	End of conference day 1
19:00	Get-Together with tapas and drinks Skybar - Caledonien Hotel, Kristiansand

Thursday 19. May

HOUR:	DESCRIPTION:
09:00	Welcome day 2
	Acquisition and Imaging Chairs: Geir Apeland, WesternGeco & Odd Petter Skogly, Norske Shell
09:00	Geophysical technology evolutions: a personal journey Robert Soubaras, Chief Geophysical Scientist, Lundin Energy

HOUR:	DESCRIPTION:
09:25	Next Generation Marine Acquisition Equipment Thomas Elboth, Shearwater
09:43	3D TTI Gauss-Newton inversion, data step-change in imaging of CSEM data Dag Helleland Hansen, EMGS
10:01	Integration of diffraction imaging to support interpretation of sand injectites in Norwegian North Sea Ørjan Pedersen, Aker BP
10:19	Coffee Break
10:49	Overcoming the challenges of model building with NAZ data using Time-Lag FWI over the Haugaland High Andrew Wright, CGG
11:07	Estimating the Full Bandwidth Earth Model with Simultaneous Inversion for Velocity and Reflectivity Øystein Korsmo, PGS
11:25	Towards elastic full waveform inversion: Challenges, solutions and examples Ole Edvard Aaker, Aker BP
11:43	Lunch
	Machine Learning / Reservoir Chairs: Ben King, Equinor & Mark Andrew Ackers, Spirit Energy
12:45	Machine Learning in interpretation - bridging the gap between geophysics and the interpreters Aina Juell Bugge, AI enthusiast and geophysicist, Lundin Energy
13:10	Seismic reservoir prediction using the "Probe" technology and rock physics feasibility modelling Cathrine Holmsen, Petoro & Per Avseth, Dig Science
13:28	De-migration-based supervised learning for interpolation and regularization of 3D offset classes with examples from the Barents Sea and the North Sea Vetle Vinje, CGG

HOUR:	DESCRIPTION:
13:46	Learnings from exploring the South Viking Graben using dense OBN, AI and machine learning Sindre Jansen, TGS
14:04	Understanding Self-Organizing Maps for Seismic attribute data classification Omar Rivera Herrera, Equinor
14:22	Coffee Break
14:52	Use of AI for Fault Identification in the E & P Life Cycle Sander Hofker Berg, Spirit-Energy
15:10	Applied Machine Learning: Fault Identification and Mapping for Improved Fault Risking in the Ekofisk Reservoir Knut R. Viten, ConocoPhillips Norway
15:28	Using Sim2seis modelling and stochastic inversion for reservoir model building - a case study from the Gråsel Field Hamed Amini, Aker BP
15:46	The Tordis Statfjord oil discovery: Using far-offset seismic amplitudes for near-field exploration Haitham Alassi, Equinor
16:05	End of conference day 2
18:00	APERITIF AND CONFERENCE DINNER

Friday 20. May

HOUR:	DESCRIPTION:
08:55	Welcome day 3
	Energy Transition /CCS /Mining Chairs: Espen Harris Nilsen, Lundin Energy & Adriana Citlali Ramirez, TGS
09:00	The role of geophysics in the CCS world: the Northern Lights example Catalina Acuna, Exploration Geophysicist, Norske Shell

HOUR:	DESCRIPTION:
09:25	Designing a monitoring strategy for CCS projects Michael Branston, Schlumberger
09:43	Sleipner CO2 Time-Lapse Monitoring - Broadband Processing Impact on 4D Resolution Marta Wierzchowska, PGS
10:01	Coffee Break
10:30	Results from using water column data acquired by multibeam echosounder and SAR-satellite images in the Barents Sea Rune Mattingsdal, NPD
10:48	Marine Minerals Exploration: Thinking Outside the Oil-and-Gas Box Anna Lim, Argeo
11:06	The importance of high-resolution 3D seismic data for deep sea drilling: Results from IODP Exp. 396, Norwegian Sea Sverre Planke, University of Oslo
11:24	Next generation geophysical applications Martin Landrø, professor in applied geophysics, NTNU and Director, Centre for Geophysical Forecasting
11:50	Closing remarks and result from best paper Vetle Vinje, CGG
12:00	Lunch
	Have a safe trip home