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