The Biennial Geophysical Seminar 2024

Wednesday 13. March

HOUR:	DESCRIPTION:
10:30	**Registration** From 10.30 - 12.00 hrs.
11:00	**Lunch** Grenseløs restaurant, Caledonien Hotel
12:00	**Welcome and introduction** Vetle Vinje, CGG
12:10	**European energy security – The role of Norwegian resources** KEYNOTE: Torgeir Stordal, NOD
12:35	**Seeing through gas clouds in 4D at Eldfisk using reverse time migrated pseudo-offset gathers** Leila Bencherif-Soerensen, ConocoPhillips & Kate Mccluskey, CGG
13:00	**Breidablikk: Reducing reservoir uncertainties during field development by improving seismic imaging** Hamit Akalin, Equinor
13:20	**Ormen Lange: Gravity & 4D Close the Loop – integrating Gravity & 4D derived dSw levels as input to History Matching** Øystein Sømme, Shell
13:40	**Coffee & Networking**
14:10	**Trends and challenges for the geophysical industry, a personal view** KEYNOTE: Jan Erik Lie, Aker BP
14:35	**From advanced high-resolution 3D exploration seismic surveys to new energy applications** Carine Roalkvam, PGS
14:55	**Marine vibrators: seismic data processing implications of new survey designs** Sergio Grion, Shearwater

HOUR:	DESCRIPTION:
15:15	**Improved 4D seismic quality and CCS monitoring by broadband surface seismic processing on Snøhvit Field** Monika Wilk-Lopes, SLB
15:35	**Coffee & Networking**
16:05	**Opportunistic 4D using a regional non-repeated 4D monitor, an Ærfugl case study** Stepan Marinets, PGS
16:25	**Increasing efficiency, quality, and driving down cost of Ocean Bottom Seismic data** Per Eivind Dhelie, Aker BP
16:45	**Satellite-Based Seep Studies: Exploration on the Norwegian Continental Shelf** Geoffrey Thiemann, CGG
17:05	**Exploration-scale dense OBN surveys – Changing our understanding of the sub-surface** Sindre Jansen, TGS
17:25	**End of conference day 1**
19:00	**Get-Together with finger food (light meal) and drinks** Skybar - Caledonien Hotel, Kristiansand

Thursday 14. March

HOUR:	DESCRIPTION:
08:15	**Coffee & Networking**
08:45	**Welcome day 2**
08:50	**Is full waveform inversion imaging a game changer?** KEYNOTE: Hossein Mehdi Zadeh, Equinor
09:15	**4D FWI at Ivar Aasen** Paul Fallon, CGG

HOUR:	DESCRIPTION:
09:35	**High-frequency elastic FWI with automated decision making – improving sub-chalk imaging in the Norwegian North Sea** Olivia Lewis, SLB
09:55	**Neural network driven Full Waveform Inversion - CO2 monitoring applications from lab to field** Bhargav Boddupalli & Peder Eliasson, SINTEF
10:15	**Coffee Break**
10:45	**Language Models in Seismic Tasks: A comparative Study of Pretraining Approaches** Aina Bugge, Aker BP
11:05	**Monitoring injection and depletion using time-lapse time shift and time strain attributes at Ekofisk** Jörg Herwanger, Sharp Reflections
11:25	**Integrated prospect characterisation with a virtual asset team** Matthew Ledger, CGG
11:45	**Improved data quality over Slagugle discovery through multi-azimuth acquisition and processing** Kristian Svarva Helgebostad, PGS
12:05	**Lunch**
13:05	**Experiences from iterative (evolving) seismic processing projects** Are Osen, Aker BP
13:25	**Seismic reservoir characterization of a new proven Eocene-Paleocene play in the Lomre Terrace** Thomas Hope, DNO Norge
13:45	**Seeing detail through the gas cloud: Improved imaging through reprocessing of an ocean bottom cable PP/PS dataset** Juan Aviles, SLB
14:05	**Acquisition and use of surface distributed acoustic sensing for seismic imaging and monitoring** Espen Birger Raknes, Aker BP

HOUR:	DESCRIPTION:
14:25	**Coffee Break**
14:55	**Using rock physics to predict burial-consistent seismic signatures away from well control – A Norwegian Sea demonstration** Åsmund Drottning, Dig Science
15:15	**Dual-azimuth streamer and sparse nodes, enriched azimuth content for enhancing near-field exploration in the Northern Viking Graben area** Federico Buriola & Olivier Hermant, CGG
15:40	**Beyond RTM: Rapid high-frequency OBC wave migration to improve imaging and resolution on the gas cloud affected Tommeliten Alpha field** Christopher Kent & Jens Martin Hvid, PGNiG
16:00	**Seismic structure search using a neural network trained with self-supervised learning** Anders U. Waldeland, Norwegian Computing Center
16:20	**End of conference day 2**
18:30	**APERITIF AND CONFERENCE DINNER**

Friday 15. March

HOUR:	DESCRIPTION:
08:00	**Coffee Break**
08:30	**Welcome day 3**
08:35	**Geophysics for Offshore Windfarms** KEYNOTE: Victoria Adestål, Equinor
09:00	**Enabling rapid offshore wind growth with 3D Seismic Data and Processing** Luca Limonta, PGS
09:20	**Source-over-spread high-resolution FWI-based shallow hazard imaging in Barents Sea** Hung Dinh, CGG

HOUR:	DESCRIPTION:
09:40	**Combined High-resolution 3D mini-streamer and OBN acquisition, velocity model building and Imaging over the CCS Sleipner field** Sandrine David, TGS
10:00	**Coffee Break**
10:30	**Processing considerations of seabed distributed acoustic sensing data** Shruti Gupta, SLB
10:50	**CO2 plume imaging on Sleipner using full-waveform inversion** Ricardo Martinez, NTNU
11:10	**Seismic Monitoring of Northern Lights CCS** Catalina Acuna, Northern Lights JV
11:30	**Nuclear energy in the fossil age and energy transition** KEYNOTE: Sunniva Rose, Norsk Kjernekraft
12:15	**Closing remarks and best paper award**
12:25	**End of Conference & Lunch**
	Have a safe trip home