

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 Kjekraft
12:15	Closing remarks and best paper award
12:25	End of Conference & Lunch
	Have a safe trip home