

The Biennial Geophysical Seminar 2020

Monday 09. March

HOUR:	DESCRIPTION:
18:00	Registration
18:30	Get-Together with tapas and drinks

Tuesday 10. March

HOUR:	DESCRIPTION:
08:30	Registration and coffee
08:50	Welcoming address Vetle Vinje, Chair of the Program Committee
	Broadband acquisition and processing Chair: Atle Aamodt, PGC and Paal Kristiansen, Schlumberger
09:00	Keynote: Looking forward, looking back: Seismic technology in Norwegian waters Adriana Citlali Ramirez, TGS
09:30	The next generation source-over-cable acquisition in the Barents Sea Vetle Vinje, CGG <i>Authors: V. Vinje, T. Elboth, E. Kaszycka, G. Poole, N. Salaun, CGG</i>
10:00	Shallow hazard determination using exploration 3D seismic data Patrick Smith, Schlumberger <i>Authors: P. Smith₁, R. Milne₂, G. Vey₂, S. Way₁, D. Brager₁, M. Yanez₁, G. Apeland₁</i> <i>Author's Affiliation: WesternGeco₁, AkerBP₂</i>
10:30	Coffee Break
11:00	Least-squares migration - the new standard for high-end imaging Øystein Korsmo, PGS <i>Authors: Ø. Korsmo*, S. Arasanipalai J.Oukili, G.Rønholt, C. Hintz, PGS</i>
11:30	Interbed multiples in the Norwegian Continental Shelf - modelling and attenuation through a variety of methods Geir Apeland, WesternGeco

HOUR:	DESCRIPTION:
12:00	<p>Increasing Utsira basin resolution using Hexa and Ennea sources, a case study Guillaume Henin, CGG <i>Authors: Guillaume Henin₁, Nicolas Salaun₁, Andrew Wright₁, Stephane Pellerin₁, CGG</i></p>
	<p>Exploration and Production case studies Chair: Terje Dahl, Equinor and Espen Harris Nilsen, Lundin Norway</p>
12:30	<p>Keynote: Considerations for seismic investments Marit Stustad Guttormsen, Equinor</p>
13:00	<p>Lunch</p>
14:00	<p>Integrated study to discover and characterize a shallow gas anomaly at Valhall Fredrik Jakobsen, Aker BP <i>Authors: Einar Jarle Kjos, Fredrik Grastveit Jakobsen, John Ryan Paton, Ross Milne, Aker BP</i></p>
14:30	<p>Use of seismic amplitudes targeting undrained Lower Rannoch Fm. oilfilled sands, Vigdis field. Per Inge Espedal, Equinor</p>
15:00	<p>Coffee Break</p>
15:30	<p>Eldfisk OBN - A novel, cost efficient way of acquiring 4D seismic data with Ocean Bottom Nodes Benedicte Myhre, ConocoPhillips <i>Authors: Benedicte Myhre, Per Gunnar Folstad, Leila Bencherif-Sørensen, Ruben Thomassen, Victoria Flatås, ConocoPhillips</i></p>
15:50	<p>Improved Structural Imaging Using Joint Velocity and Q FWI on Eldfisk Ocean Bottom Seismic Kate McCluskey, CGG <i>Authors: A. Varghese₂, K. McCluskey₁*, J. Schultzen₁, C. Henstock₁, M. Naerheim₂, B. Lyngnes₂, L. Bencherif-Soerensen₂, V. Flataas₂. Author's affiliation: CGG₁, ConocoPhillips₂</i></p>
16:15	<p>Improved reservoir monitoring with PP & PS time-lapse imaging utilising up/down deconvolution: An OBC case study from the Edvard Grieg field Paal Kristiansen, WesternGeco <i>Authors: F. Twynam₁, R. Ford₁, P. Caprioli₁, M. Hooke₁, R. Whitebread₁, P.E. Dhelie₂, V. Danielsen₂, K.R. Straith₂. Author's affiliation: WesternGeco₁, Lundin Norway₂</i></p>

HOUR:	DESCRIPTION:
16:45	<p>Gudrun 4D - a time lapse case study using an evolutionary processing approach Kristoffer Sundøy, Equinor <i>Authors: Per Inge Flo (CGG), Cris Henstock (CGG), Erik Hicks (CGG), Kyrre Simonsen (Equinor), Muhammad Faheem Abbasi (Equinor) and Kristoffer Sundøy (Equinor)</i></p>
17:15	End of Conference day 1
18:00	Aperitif & Conference Dinner

Wednesday 11. March

HOUR:	DESCRIPTION:
	<p>Emerging technologies & Machine Learning Chair: Espen Harris Nilsen, Lundin Norway and Geir Apeland, Schlumberger</p>
08:30	<p>Keynote: Emerging technologies & Machine Learning Tony Martin, PGS</p>
09:00	<p>From plugs to plays - Integrated property prediction across scales with machine learning and deep neural networks in the Norwegian North Sea Arne Klepp Kvalheim, Earth Science Analytics <i>Authors: Arne Klepp Kvalheim, Steve Purves, Behzad Alaei, Dimitrios Oikonomou, Eirik Larsen, Earth Science Analytics AS</i></p>
09:30	<p>Generative neural networks for seismic processing Aina Juell Bugge, Lundin <i>Authors: A. J. Bugge, J. E. Lie, E. H. Nilsen, Lundin Norway AS</i></p>
10:00	Coffee Break
10:30	<p>SOM - an additional tool in reservoir characterization, an example from Barents Sea Malgven Roudot, Equinor <i>Authors: M. Roudot, T. N. Helgheim, E. K. Dahl, M. J. Grepstad, E. T. Delaney, Equinor</i></p>
11:00	<p>Utsira: Processing and imaging a large-scale, high-density OBN survey Tom Rayment, DownUnder GeoSolutions <i>Authors: Rayment, T. Letki, L, DownUnder Geosolutions</i></p>

HOUR:	DESCRIPTION:
11:30	<p>Reducing sound levels emitted from marine seismic sources Stian Hegna, PGS</p>
12:00	<p>Broadband multi-source acquisition based on the principles of signal apparition Per Riste, Equinor <i>Authors: P. Riste*, L. Amundsen*, F. Andersson†, M. Cogan*, Å. S. Pedersen*, J. Robertsson†. Author's affiliation: *Equinor ASA, †Seismic Apparition GmbH</i></p>
	<p>Field Monitoring, Multi-Azimuth Chairs: Terje Dahl, Equinor and Vetle Vinje, CGG</p>
12:30	<p>Cost-effective reservoir monitoring using seafloor measurements of gravity changes and subsidence Hugo Ruiz, Octio <i>Authors: Hugo Ruiz, PhD, Martha Lien, PhD, Octio AS</i></p>
13:00	<p>Lunch</p>
14:15	<p>Grane PRM: Handling sparse acquisition challenges in processing Madjid Berraki, Equinor <i>Authors: M. Berraki, N. Moyle, R. M. Elde, Equinor</i></p>
14:45	<p>Increasing resolution at Brent Level, a multi-azimuth Martin Linge case study Nicolas Salaun, CGG <i>Authors: Nicolas Salaun₁, Andrea Roubaud₁, Guillaume Gigou₁, Jean-Baptiste Mitschler₁, Alessandro Pintus₁, Daniel Fischer₂, Inger Ruth Wikander₂, CGG</i></p>
15:15	<p>Keynote: What is the future of the geo-community in Norway? Egil Tjøland, NTNU</p>
15:45	<p>Closing remarks and result from best paper</p>
16:00	<p>End of Conference</p>