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 addresse** 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 *Authors: V. Vinje, T. Elboth, E. Kaszycka, G. Poole, N. Salaun, CGG*
10:00	**Shallow hazard determination using exploration 3D seismic data** Patrick Smith, Schlumberger *Authors: P. Smith$_1$, R. Milne$_2$, G. Vey$_2$, S. Way$_1$, D. Brager$_1$, M. Yanez$_1$, G. Apeland$_1$* *Author's Affiliation: WesternGeco$_1$, AkerBP$_2$*
10:30	**Coffee Break**
11:00	**Least-squares migration – the new standard for high-end imaging** Øystein Korsmo, PGS *Authors: Ø. Korsmo*, S. Arasanipalai J.Oukili, G.Rønholt, C. Hintz, PGS*
11:30	**Interbed multiples in the Norwegian Continental Shelf - modelling and attenuation through a variety of methods** Geir Apeland, WesternGeco

HOUR:	DESCRIPTION:
12:00	**Increasing Utsira basin resolution using Hexa and Ennea sources, a case study** Guillaume Henin, CGG *Authors: Guillaume Henin$_1$, Nicolas Salaun$_1$, Andrew Wright$_1$, Stephane Pellerin$_1$, CGG*
	Exploration and Production case studies Chair: Terje Dahl, Equinor and Espen Harris Nilsen, Lundin Norway
12:30	**Keynote: Considerations for seismic investments** Marit Stustad Guttormsen, Equinor
13:00	**Lunch**
14:00	**Integrated study to discover and characterize a shallow gas anomaly at Valhall** Fredrik Jakobsen, Aker BP *Authors: Einar Jarle Kjos, Fredrik Grastveit Jakobsen, John Ryan Paton, Ross Milne, Aker BP*
14:30	**Use of seismic amplitudes targeting undrained Lower Rannoch Fm. oilfilled sands, Vigdis field.** Per Inge Espedal, Equinor
15:00	**Coffee Break**
15:30	**Eldfisk OBN – A novel, cost efficient way of acquiring 4D seismic data with Ocean Bottom Nodes** Benedicte Myhre, ConocoPhillips *Authors: Benedicte Myhre, Per Gunnar Folstad, Leila Bencherif-Sørensen, Ruben Thomassen, Victoria Flatås, ConocoPhillips*
15:50	**Improved Structural Imaging Using Joint Velocity and Q FWI on Eldfisk Ocean Bottom Seismic** Kate McCluskey, CGG *Authors: A. Varghese$_1$, K. McCluskey$_1$*, J. Schultzen$_1$, C. Henstock$_1$, M. Naerheim$_2$, B. Lyngnes$_2$, L. Bencherif-Soerensen$_2$, V. Flataas$_2$.* *Author's affiliation: CGG$_1$, ConocoPhillips$_2$*
16:15	**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 *Authors: F. Twynam$_1$, R. Ford$_1$, P. Caprioli$_1$, M. Hooke$_1$, R. Whitebread$_1$, P.E. Dhelie$_2$, V. Danielsen$_2$, K.R. Straith$_2$* *Author's affiliation: WesternGeco$_1$, Lundin Norway$_2$*

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

Wednesday 11. March

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

HOUR:	DESCRIPTION:
11:30	**Reducing sound levels emitted from marine seismic sources** Stian Hegna, PGS
12:00	**Broadband multi-source acquisition based on the principles of signal apparition** Per Riste, Equinor *Authors: P. Riste*. L. Amundsen*. F. Anderssont. M. Cogan*. Å. S. Pedersen*, J. Robertssont. Author's affiliation: *Equinor ASA, †Seismic Apparition GmbH*
	Field Monitoring, Multi-Azimuth Chairs: Terje Dahl, Equinor and Vetle Vinje, CGG
12:30	**Cost-effective reservoir monitoring using seafloor measurements of gravity changes and subsidence** Hugo Ruiz, Octio *Authors: Hugo Ruiz, PhD, Martha Lien, PhD, Octio AS*
13:00	**Lunch**
14:15	**Grane PRM: Handling sparse acquisition challenges in processing** Madjid Berraki, Equinor *Authors: M. Berraki, N. Moyle, R. M. Elde, Equinor*
14:45	**Increasing resolution at Brent Level, a multi-azimuth Martin Linge case study** Nicolas Salaun, CGG *Authors: Nicolas Salaun$_1$, Andrea Roubaud$_1$, Guillaume Gigou$_1$, Jean-Baptiste Mitschler$_1$, Alessandro Pintus$_1$, Daniel Fischer$_2$, Inger Ruth Wikander$_2$, CGG*
15:15	**Keynote: What is the future of the geo-community in Norway?** Egil Tjåland, NTNU
15:45	**Closing remarks and result from best paper**
16:00	**End of Conference**