

2022 GEOPHYSICS SEMINAR

20 - 21 APRIL 2022

The Geological Society, London

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EVENT PARTNER

SHEARWATER

SEMINAR PROGRAMME

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WEDNESDAY 20 APRIL 2022

Session 1 Keynote Addresses	09.30-10.00	A Short History of Seismic Technology in Northern European Waters	Adriana Citalia Ramirez (TGS)	Chair: Steve Pickering
	10.00-10.30	Latest Developments in Seismic Technologies	Ed Hager (Shearwater)	
10.30-11.00 – Refreshment Break				
Session 2 Non-seismic Methods	11.00-11.30	Latest Advances in Airborne Gravity Gradiometry	Gary Barnes (Bridgeporth Ltd)	Chair: Jason Sutton
	11.30-12.00	Green Technology to Help Calculate Subsurface Geothermal Zones and Temperatures before Drilling	G. Stove, O. Delgado, D. Limmer, L. Lawrence (Adrok)	
	12.00-12.30	Airborne Data - Geologically Mapping 2022's Exploration Priorities	Liam Clark (Bell Geospace)	
12.30-13.30 – Lunch Break				
Session 3 Acquisition	13.30-14.00	A Novel Source Design to Extend the Low-Frequency Output	Ed Hager, Susanne Rentsch-Smith, Sebastian Holland (Shearwater Geoservices)	Chair: John Wood
	14.00-14.30	On Recent Ocean Bottom Surveys	Adriana Citalia Ramirez (TGS)	
	14.30-15.00	Hybrid Acquisition in the Barents Sea Using Sparse Nodes, Multisensor Streamers and 7 Sources	Per Eivind Dhelie (Lundin Energy Norway)	
15.00-15.30 – Refreshment Break				
Session 4 Imaging (1)	15.30-16.00	Time-Lag FWI: Solving for Complex Geologies in Northern European Water	Sam Bretherton (CGG)	Chair: Aaron Lockwood
	16.00-16.30	Full Waveform and Hybrid Imaging of OBN and Streamer Data in Quad 35 Offshore Norway	Chris Walker (BGP), Joe Zhou, (Broad Geophysical), Jeroen Hoogeveen, (GeoexMCG)	
	16.30-17.00	Full Waveform Imaging: A New Era of High-Resolution Seismic from Raw Field Data	James McLeman, Tom Rayment (DUG)	

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THURSDAY 21 APRIL 2022

Session 5 Imaging (2)	09.30-10.00	Processing and Imaging of UHD3D LumiSeis™	Dirk Fairclough, Marcin Kobylarski, Johnny Simionescu (DUG), Jeroen Hoogeveen (Geoex)	Chair: Howard Nicholls
	10.00-10.30	Beam Tomography for Building High Resolution Velocity Models – North Sea Case Histories	J Deo, M Popovici, Dr. N Tanushev, Dr. Xiaobin, Bob Ge (SIP)	
10.30-11.00 – Refreshment Break				
Session 6 Data	11.00-11.30	eGWM True Amplitude Wave Equation Migration to Generate Gatherers for AVO – Case Histories	Jagat Deo (SIP), Prof. Robert Ferguson (Calgary University)	Chair: John Walsh
	11.30-12.00	Rejuvenation of the Faroes-Shetland Basin Vision Data Set Through an Advanced Velocity Model Building Workflow	Dr Antonio Castiello, Gareth Venfield, Jens Beenfeldt, Dr Eric Mueller, Jamshade Khan (PGS)	
	12.00-12.30	Integrating data and knowledge into highly detailed 3D reservoir models	Shervin Rasoulzadeh, Ali Moradi Tehrani (Geosoftware)	
12.30-13.30 – Lunch Break				
Session 7 Processing Impact	13.30-14.00	Unlocking Value from Legacy Seismic Data	Phil Wild (Moveout Data), Nick Fosbery (Sword Venture)	Chair: Jason Sutton
	14.00-14.30	Reservoir Properties Estimation Using MAZ Towed Multisensor Streamer Seismic: A Norwegian Case Study	Cyrille Reiser, Roberto Ruiz, (PGS)	
	14.30-15.00	Deep Machine Learning Based on Rock Physics Modelling and Statistical Analysis for Reservoir Property Prediction	Pavel Didenko (Geosoftware)	
15.00-15.30 – Refreshment Break				
Session 8 Plenary Session	15.30-16.30	Debate on the Future of Geophysics in the Energy Transition	Panel: Dan Davies (TGS), Mark Skinner (Shearwater), Gordon Stove (Adrok), Allan McKay (PGS)	Chair: Aaron Lockwood
16.30 – Geophysics Seminar 2022 ends				

Programme is subject to change. Timings: Greenwich Mean Time (GMT)