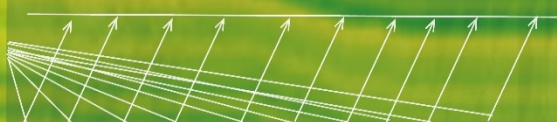


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# GEOFYSICS SEMINAR



14 December 2023  
Events @ No. 6, London  
#GeophysicsSeminar2023

## Geophysics Applications in the New Energy World

Thursday 14 December 2023

Events @ No.6 | London

### PROGRAMME

08:00 - 09:00	Registration and refreshments
Session 1 – Chair: Alan Fourn – Zanzibar Geophysics	
09:00 - 09:10	<b>Howard Nicholls – TGS</b> Welcome and introduction
09:10 - 09:35	<b>Nick Woodburn – RockWave, Bruce Samuel – RWE, Dave Monk – ACTeQ</b> Practical Considerations for Optimising 3D Ultra-High Resolution Seismic
09:35 - 10:00	<b>Sergio Grion, Arash Jafar Gandomi, Aparajita Nath – Shearwater</b> Marine Vibrators: Seismic Data Processing Implications of New Survey Designs
10:00 - 10:25	<b>Nicolas Tellier – Sercel</b> MEMS-Based Seismic Motion Sensors: An Overview of Sensing Performance
10:25 - 10:50	Refreshment break
Session 2 – Chair: Jason Sutton – Principal Geophysicist	
10:50 - 11:15	<b>Mehdi Paydayesh, Amir Shamsa, Maria Perezhogina – SLB</b> Fast-Tracking Geophysical Feasibility in CCS with Artificial Intelligence
11:15 - 11:40	<b>Kevan Bliss – Metatek-Group Ltd</b> Can LiDAR Add Value to Exploration Surveys?
11:40 - 12:05	<b>Gordon Stove, K. van den Doel – Adrok, R. Baria – EGS, H. Glass – University of Exeter</b> Earth-Friendly Subsurface Geothermal Surveillance Technology
12:05 - 12:30	<b>Glynn Williams – SILIXA</b> The Use of Fibre Optic Distributed Sensing Systems for the Monitoring of Geological Storage of CO <sub>2</sub>
12:30 - 13:30	Lunch break
Session 3 – Chair: Dr Aaron Lockwood – Shearwater	
13:30 - 13:55	<b>Joe Mongan – PIPCO Research Studies Group, Ireland</b> Lowering the Environmental Impact of Geophysical Operations with Passive Technologies
13:55 - 14:20	<b>Rebecca Bell – Imperial College, Mark E. Vardy – SAND Geophysics, Abdulquadir Cader – GeoTeric, Neil Dyer – Cathie Associates, Rochelle Pun &amp; Orla Duffy – Imperial College</b> Detailed Foundation Hazard Assessment Using 3D UHRS
14:20 - 14:45	<b>Christian Strand, David Eastwell and Jason Canning – Nuclear Waste Services</b> Seismic Imaging of a Site for Potential Deep Geological Disposal of Nuclear Waste
14:45 - 15:10	<b>David Harrison &amp; Sophie Martin – Geo-4D</b> Using Drones to Locate Unexploded Ordnance
15:10 - 15:35	Refreshment break
Session 4 – Chair: Jonathan Watson – Metatek Group Ltd	
15:35 - 16:00	<b>Didier Lecerf &amp; Cyrille Reiser – PGS</b> Challenges for Monitoring CO <sub>2</sub> Sequestration Using 4D Seismic
16:00 - 16:25	<b>Cyrille Reiser &amp; R. Ruiz – PGS and R. Keirstead – Homestead Services</b> Interactive 4D Feasibility Modelling for CCS and Near Field Exploration, a UK Southern North Sea Case Study
16:25 - 16:50	<b>Simon Stokes, Sandrine David, Eddie Cho, Graeme Stock and Simon Baldock – TGS</b> Hybrid OBN and High-Resolution 3D Streamer Acquisition for CO <sub>2</sub> Monitoring – a Case Study Over the Sleipner Storage Facility
16:50 - 17:15	<b>Tom Rayment – DUG</b> MP-FWI Imaging and green HPC: the Future of Processing and Imaging
Plenary Session – Chair: Ceylan Gomez – CNOOC	
17:15 - 17:45	Panel Discussion
18:00 - 20:00	GESGB Winter Social Event