

Hybrid Conference

06 -07 October 2026

**Staying Oriented: Approaches to Borehole Imaging After Nearly 100  
years of Progress**

**CONFERENCE PROGRAMME**



The  
Geological  
Society

Tuesday 06 October		
0830 - 0850	Registration opens, tea & coffee	
0850 - 0900	Welcome address	
Session One: Geomechanics		
0900 - 1000	<b>Keynote:</b> <i>Title Tbc</i>	<i>Speaker tbc</i>
1000 - 1030	From Noise to Insight: Interpretating Drilling-Induced Damage in Mid- and High-Temperature (150 - 310°C), Conventional Geothermal Systems	Irene Clare Wallis, <i>Cubic Earth Ltd</i>
1030 - 1100	Borehole Forensics –The Use of LWD Images to Evaluate the Causes of Operational Events and Optimise Drilling Campaigns	Adam Styles, <i>Task Fronterra Geoscience</i>
1100 - 1115	Tea & coffee break	
Session Two: Ops & New Technology		
1115 - 1145	Borehole Image Applications in real time Deepwater Wireline Operations of Formation Testing and Sidewall Coring	Anish Kumar, <i>SLB</i>
1145 - 1215	High resolution at-bit imaging: Concept, deployment, learning, limitations and way forward	Chandramani Shrivastava, <i>SLB</i>
1215 - 1315	Lunch	
Session Three: Sedimentology		
1315 - 1345	Palaeowind patterns in the Permian of Europe: adding to palaeogeographies and validating numerical climate models from historical data	Roderick McGarva, <i>Task Fronterra Geoscience</i>
1345 - 1415	Multi-scale Core-to-BHI Reservoir Characterization distinguishes deepwater depositional elements: an example from offshore Suriname	Sourav Saha, <i>Shell Research Limited</i>
1415 - 1445	The use of borehole image logs in distinguishing depositional environments in non-marine carbonate successions	Andrew J. Barnett, <i>Shell</i>
1445 - 1500	Tea & coffee break	
1500 - 1530	Advanced Sedimentological and Structural Characterization of Malaysian Petroleum Systems Utilizing Borehole Image Logs	Melissa Johansson, <i>Geode-Energy Ltd</i>
1530 - 1600	How Borehole Images are Used Across the Lifecycle of a Field	Chris Ginn, <i>Oxy</i>
Session Four: Panel - Classification & Deliverables		
1600 - 1630	A Trice Revival: Descriptive Borehole Image Evaluations Using Contemporary Technologies	Ed Cavallerano, <i>Shell International Exploration and Production inc.</i>
1630 - 1715	<b>Panel Discussion:</b> <i>Title tbc</i> <i>Summary</i>	<i>Speakers tbc</i>
1715 - 1720	Wrap up of day one	
1720 - 1830	Drinks Reception & Poster session	

Wednesday 07 October		
0830 - 0850	Registration opens, tea & coffee	
0850 - 0900	Welcome address	
Session Five: Green		
0900 - 1000	<b>Keynote:</b> Use and interpretation of borehole image logs in geothermal systems: geology, alteration, structures, borehole conditions, and stress	Nicholas C. Davatzes, <i>Temple University</i>
1000 - 1030	Engineering applications of Borehole Images: the next 100 years?	Ross Pettigrew, <i>Task Fronterra Geoscience</i>
1030 - 1100	Geological and stress field analysis from WL and LWD borehole image logs – Reservoir characterisation for a geothermal field in Germany	Carsten Vahle, <i>Eriksfiord</i>
1100 - 1115	Tea & coffee break	
1115 - 1145	Facies-Based 3D Modeling of Boron Mineralization in Colemanite Deposits Using Lateral Well Petrophysical and Image Logs	Elia Haddad, <i>SLB</i>
1145 - 1215	Integrated High-Resolution Characterization of Clay-Rich Formations Using Borehole Imaging, Core Data, and Machine Learning: Applications in Switzerland's Exploration for a Deep Geological Repository for Radioactive Waste	Jens K. Becker, <i>Nagra</i>
1215 - 1315	Lunch	
Session Five: Structure		
1315 - 1345	The use of muon tomography in geological imaging	Lee Thompson, <i>Geoptic Infrastructure Investigations</i>
1345 - 1415	Sub-seismic faults matter	Brita R. Graham, <i>Equinor, ASA</i>
1415 - 1445	Multiscale analysis of the Paleocene to Oligocene sequences in the central part of the Llanos Basin in Colombia	Allan Cifuentes, <i>LPS</i>
1445 - 1515	LWD image data – the great under-used resource	Brain Callaghan, <i>Task Fronterra Geoscience</i>
1515 - 1530	Tea & coffee break	
Session Six: AI		
1530 - 1600	Segmented borehole image log evaluations provide guiding model parameters: a Wilcox Formation example, Gulf of America	John Martin, <i>Shell International Exploration and Production Inc.</i>
1600 - 1630	Augmentation, automation, and beyond: design considerations for leveraging computer vision in borehole image processing	Eric Wilton, <i>BGC Engineering</i>
1630 - 1715	<b>Panel Discussion:</b> <i>Title tbc</i> <i>Summary</i>	<i>Speakers tbc</i>
1715 - 1730	Wrap up, Publishing Opportunities, and looking forward	

Poster Title	Author(s)
Deep Learning for Automatic Facies Identification of Borehole Image Logs in Carbonate Environments	Pedram Zarian, <i>Shell International Exploration and Production</i>
Challenges of Fracture and Foliation Interpretation from ultrasonic and micro resistivity images in Large-Diameter Geothermal Wells	Merouane Foudi, <i>Baker Hughes</i>
Increasing Operational Efficiency in Micro-fracking Decisions through Automated Breakout Detection from Ultrasonic Borehole Images; A Machine Learning-Based Approach.	Igor Stepanov, <i>SLB</i>
Borehole Images to Fracture Intelligence: A GenAI-Based Quicklook Reporting Workflow	Srijita Das, <i>SLB</i>
Borehole Images: The High-Resolution Lens into Unconventional Reservoir Complexity	Srijita Das, <i>SLB</i>

## Convenors:

- Ed Cavallerano, Shell International Exploration and Production Inc
- Andrew Barnett, Shell UK
- Peter Barrett, Halliburton
- Stephen Dymmock, Baker Hughes
- Anish Kumar Ph.D, SLB
- Bernd Ruehlicke, Eriksfiord Inc

**THANK YOU**

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