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Seismic2025

UNLOCKING THE SUBSURFACE

30 APRIL – 1 MAY 2025, P&J LIVE, ABERDEEN
TECHNICAL PROGRAMME



Reasons to attend

Two days of presentations and Techbytes - stay up to date with the continually changing energy industry technologies and methodologies.

Great networking opportunity

>400 attendees across the two days with a high operator presence

Money raised re-invested into local STEM programmes

Cost effective training opportunity

Dedicated early career session

TECHNICAL PROGRAMME

Seismic is a leading and unique event in Aberdeen, focussing exclusively on the role of seismic and geoscience in the energy lifecycle over two days of technical talks. Seismic 2025 highlights seismic as the key analysis tool to unlock the subsurface, from Oil and Gas exploration through development, decommissioning **and** in new energies like wind, geothermal and carbon storage.

The event's primary focus is bringing the seismic and geophysical community together, renewing old acquaintances and fostering new ones. It's a great opportunity to showcase new technology, share lessons learned, and communicate case studies, in a supportive, curious and friendly environment.

WHO SHOULD ATTEND?

Seismic 2025 is not just an event for geophysicists – it's for anyone involved in projects that might use seismic or other geophysical data – geoscientists, engineers, development leads, and teams involved in petroleum exploration or development, carbon storage appraisal, wind farm development, geothermal, nuclear disposal, natural gas or hydrogen gas storage. It's an inclusive event focussed on the use of seismic in the energy landscape, whatever that may look like.

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DAY 1	30 APRIL 2025		
08:00	REGISTRATION, COFFEE & NETWORKING		
08:50	Welcome and introduction		
	SESSION 1 - EXPLORATION INSIGHTS		
09:00	KEYNOTE: Seismic acquisition: where, why and impact on drilling performance	Westwood Global Energy	Graeme Bagley
09:25	2D/3D modelling: unravelling the Rosebank seismic response?	Equinor	Heather Poore
09:50	Guillemot North-West Field: Comparison of the Pre-Drill Seismic Interpretation with the Pilot and Infill Well Results Using Ultra-Deep Resistivity Inversion on a Successful Late Life Infill Producer	Dana Petroleum	Florence Henriet
	TECHBYTE SESSION		
10:15	Deriving Lithofacies from Multiple Seismic Attributes	Geophysical Insights	Tim Gibbons
10:20	Practical application of Machine Learning in Subsurface Analysis and Reservoir Characterization	GeoSoftware	Pavel Didenko
10:25	Blueback Well Ties: a next-generation well tie solution bringing efficiency, automation, and accuracy	Cegal	Andrey Kozhenkov
10:30	NETWORKING BREAK		
	SESSION 2 - SHALLOW SEISMIC		
11:15	3D Ultra-High Resolution Seismic Driven Inversion Workflow for Estimation of Soil Properties	TGS	Elena Polyaeva
11:40	Navigating uncertainties: How accurately do we know the position of shallow hazards? Insights from a hi-res uncertainty analysis	DUG Technology	Stephen Hirst
12:05	Right Data, Right Time: A Phased Approach to Site Investigation Optimisation for a Complex Offshore Wind Farm Development.	bp	Gareth Wood
	TECHBYTE SESSION		
12:30	Integrating SBP and USV technologies: next-generation pipeline inspections	Fugro	Alvaro Soares
12:35	Application of First-Break and Attenuation Tomography Using High-Resolution Crosshole Seismic Data to Detect Abandoned Mine Galleries	GEODEVICE	Anna Gouirand
12:40	Multiparameter FWI imaging using diving waves, primary and multiple reflections in a shallow water environment	SLB	Alex Cooke
12:45	NETWORKING LUNCH, EXHIBITION & POSTERS		
	SESSION 3 - CCS MONITORING		
14:15	Enabling CCS monitoring in the UK using an agile spot seismic operational model on the Poseidon project	SPOTLIGHT	Amandine Festucci
14:40	Monitoring offshore CO2 storage: Onshore arrays and modelling passive seismic capability	University of Oxford	Tom Kettlety
15:05	Monitoring of CO2 injection for Viking CCS through measurements of 4D gravity at the seafloor	Harbour Energy (UK) / Reach Subsea (Norway)	John Even Lindgård
15:30	NETWORKING BREAK		
	SESSION 4 - 4D SEISMIC - CASE STUDIES		
16:00	Reducing risk and adding value to infill wells using 4D seismic – experience from the Golden Eagle field	CNOOC International	Andrew J. S. Wilson
16:25	Early Insights from the Second 4D Monitor Survey at the Catcher Fields	Harbour Energy	Kate Parton and Paul Mitchell
16:50	Mariner 2024 – Insights from the latest 4D survey	Equinor	Dirk Wallis
17:10	DAY 1 CLOSING REMARKS		
17:20	NETWORKING RECEPTION		
18:50	END		

**Early
Careers
Session**

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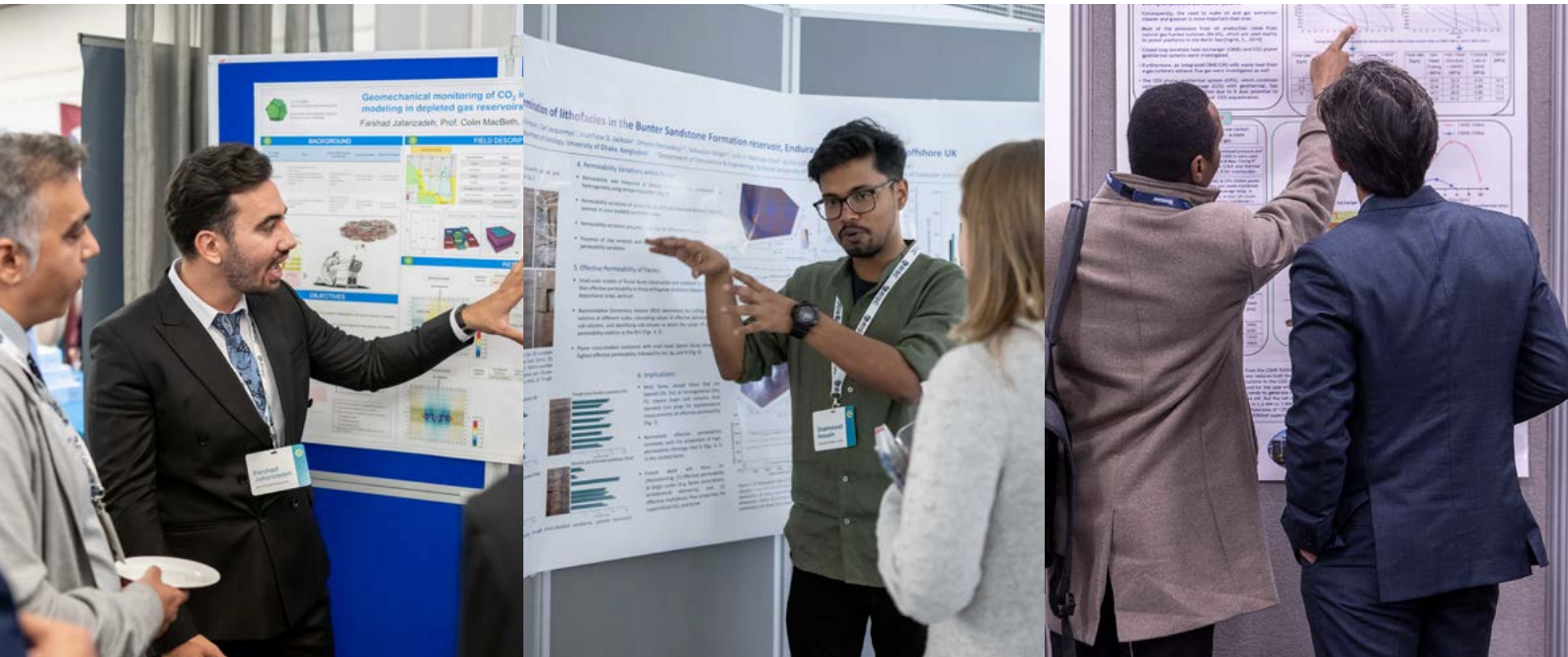
DAY 2	1 MAY 2025		
08:00	REGISTRATION, COFFEE & NETWORKING		
08:50	Welcome and introduction		
	SESSION 1 - CCS		
09:00	Data acquisition, use, and monitoring of carbon stores in the UKCS context – perspectives from the NSTA	NSTA	Ian Barron
09:25	Right-sizing seismic data acquisition to address key subsurface risks for CO2 storage near the BC41 structure, Greater Endurance area, Southern North Sea	TotalEnergies (NEP)	Adrian Merry
09:50	Rejuvenating legacy TS-OBS seismic for near-shore CCS site characterisation; a West Sole and Amethyst SNS case study	Shearwater GeoServices	Sam Winters
	TECHBYTE SESSION		
10:15	Harnessing Simulation output to accurately characterize and standardize the CO2 Plume and Pressure Front Outlines for CCS Feasibility studies	DGI	Jane Wheelwright
10:20	Utilizing current data to improve acquisition efficiency of marine surveys	Sercel	Blair Wereshchuk
10:25	High Performance Compute and Machine Learning tools for efficient seismic data analysis	Sharp Reflections	Dave Goulding
10:30	NETWORKING BREAK		
	SESSION 2 - SHALLOW SEISMIC		
11:15	Shallow Erosional and Depositional Dynamics in the West of Shetland Basin: Insights from High-Resolution AUV Surveys	Fugro	Wei Wei MacFarlane
11:40	Data-Driven Insights: Combining Open Source and Commercial 3D Seismic Data to Understand Depositional Systems in the West of Shetland Margin	University of Aberdeen	Simona Caruso
12:05	Deepwater case study: OBN data for overburden & geohazards characterisation	bp	Andrew Jewitt
	TECHBYTE SESSION		
12:30	Application of Machine Learning in seismic processing workflow on both Conventional and Ultra High-Resolution (UHR) data	Revive Geoscience Services (RGS)	Shaji Mathew
12:35	Seismic Data Formats - Understand the BIG update	Troika International Ltd	Jill Lewis
12:40	Interactive Seismic Data Analysis for Big Datasets	S&P Global	Chris Han
12:45	Practical considerations adopting latest seismic data standards	Moveout Data Services Ltd	Dr Phil Wild
12:50	NETWORKING LUNCH, EXHIBITION & POSTERS		
	SESSION 3 - PROCESSING		
14:20	Advancing 3D Ultra-High-Resolution Seismic Processing and Imaging with Machine Learning Technology	TGS	Bertrand Caselitz
14:45	Time-lapse time strain analysis to support reservoir management decisions	Sharp Reflections	Jorg Herwanger
15:10	How noisy can it get, and how much data do we really need? Cost vs quality lessons learned from the 2021 and 2024 4D monitor surveys on Catcher.	Harbour Energy	Nick Crabtree
15:35	A perpendicular OBC to OBN 4D monitoring project over a Central North Sea salt diapir, a success?	bp	Emma Barnes
16:00	CLOSING REMARKS		
16:05	END		

We will have several technical posters on display during Seismic 2025. These will be displayed within the exhibition and catering hall and be available to view throughout the two days of the event.

Presenters will be available during breaks to answer any questions, and each poster has a given timeslot where they will be formally presented to an audience during a networking break or lunch break.

The schedule for these presentation times is below:

TIME SLOT	TITLE	COMPANY	NAME
Day 1 / 10:45	Repurposing 2D seismic data for carbon storage screening in the Norwegian North Sea	SLB	Deepak Rathee
Day 1 / 13:30	Assessment of the Impact of Different Algorithms on a Petrophysical Model: A Case Study of the Poseidon CCS Project	Ithaca Energy. Royal Holloway, University of London	Helina Alemayehu
Day 1 / 13:45	Evaluation of Risk on AVO from imaging algorithms and data conditioning	Seismic Image Processing Ltd	Jagat Deo
Day 2 / 10:45	Resolving geological complexity of sandstone intrusions using 3D PSF seismic modelling	University of Aberdeen	Daniel Holden
Day 2 / 13:30	From Seabed to Subsurface: A New Era of Offshore Wind Site Surveys	TGS	Allan McKay



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BOOKING	Early Bird until 2 April	Standard
Members both days	£305	£360
Members 1 day	£205	£260
Non-members both days	£405	£470
Non-members 1 day	£260	£310
Students, Retired & Unemployed both days	£45	£45
Students, Retired & Unemployed 1 day	£25	£25

*All costs are subject to VAT at the current rate and include parking at the venue.

Special '5 for the price of 4' offer available on select ticket types.

BONUS OFFER

Buy 1 ticket, invite an Early Career Professional for FREE!

We are offering you the chance to invite an **Early Career Professional (≤ 10 years in industry)** to attend the conference for FREE! For every full price ticket purchased, you may add an additional ticket of the same type for no additional cost. This is your chance to support our future generation and inspire knowledge sharing.

T's & C's

We define "Early Career Professionals" as those with 10 years' experience or less within the offshore energies industry. For every full price ticket purchased, you may add an additional ticket of the same type to be used by an early career professional. Offer only valid on full price tickets – this excludes the Student & Unemployed ticket type.

CONTACT INFORMATION

Visit – [SPE Aberdeen Website](#) Email – aberdeen.events@spe-uk.org Call – 01224 646311

SPONSORSHIP OPPORTUNITIES

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SPE Aberdeen and GESGB are not-for-profit organisations and raising sponsorship is vital not only for the successful delivery of the conference but to enable re-investment back into the industry. By supporting this event, not only are you providing an important knowledge sharing and training opportunity for the industry, but you are also supporting our future generation of young engineers and geoscientists through providing bursaries. Thanks to the generosity of our sponsors and exhibitors over the last couple of years we have been able to make the conference more accessible by lowering the ticket price, offering free places for Early Career Professionals, and making attendance more affordable for universities.

PLATINUM SPONSOR £5,600

- Five complimentary delegate passes
- Prime positioning of company branding across all event materials and opportunity to supply content for social media posts
- Opportunity to display a pop-up stand or banner in conference hall (to be provided by sponsor)

EVENT SPONSOR £3,500

- Two complimentary delegate passes
- Company branding across all event materials and opportunity to supply content for social media posts.
- Opportunity to display a pop-up stand or banner in conference hall (to be provided by sponsor)

SOLD LANYARD SPONSOR £3,500

- One complimentary delegate pass and 25% discount on an additional pass
- Company branding across all event materials
- Logo on lanyard (to be provided by sponsor or can be sourced at a cost)

SOLD

EARLY-CAREER PROFESSIONALS EVENT SPONSOR 2,500

- One complimentary delegate pass as part of EGP Event and one pass for conference
- Company branding across all event materials
- Opportunity to display a pop-up stand or banner in the EGP Event room (to be provided by sponsor)

BREAKFAST SPONSOR £1,200 2 AVAILABLE

- One complimentary delegate pass and 25% discount on an additional pass
- Company branding across all event materials
- Logo displayed at catering points during breakfast on day being sponsored

LUNCH SPONSOR 2,500 2 AVAILABLE

- One complimentary delegate pass and 25% discount on an additional pass
- Company branding across all event materials
- Logo displayed at catering points during lunch on day being sponsored

COFFEE BREAK SPONSOR 2,500 2 AVAILABLE

- One complimentary delegate pass and 25% discount on an additional pass
- Company branding across all event materials
- Logo displayed at catering points during coffee breaks on day being sponsored

REGISTRATION SPONSOR 2,500

- One complimentary delegate pass and 25% discount on an additional pass
- Company branding across all event materials and on delegate joining instructions
- Logo displayed at registration area

PROGRAMME SPONSOR 2,500 2 AVAILABLE

- Opportunity to sponsor a specific day of the programme
- Company branding across all event materials
- One complimentary delegate pass and 25% discount on an additional pass

NETWORKING RECEPTION SPONSOR 2,500

- One complimentary delegate pass as part of Networking reception and one pass for conference
- Company branding across all event materials
- Pop-up stand or banner to display in Networking Reception (to be provided by sponsor)

EXHIBITION STANDS £1,500 PER SINGLE UNIT

Opportunities exist for companies to demonstrate data and technology within the exhibition.

We will have a limited number of table-top exhibition stand spaces available. There will be ample opportunity for maximum interaction between exhibitors and delegates during the registration period, coffee breaks and during lunch. Exhibition packages include:

- A basic exhibition space (approx. 3m wide x 2m deep) is suitable for a pop-up portable display stand or tabletop display. Two or more adjacent units can be combined to make a larger space. A conference table and two chairs will be provided.
- One free delegate pass for the conference
- Logo and company profile in abstracts e-book issued to all delegates
- Guaranteed 5-minute "Techbyte" slot in the conference programme

**Please note, all prices quoted are subject to VAT at the current rate.*

To enquire about sponsorship or exhibition packages, please contact leanne.sinclair@mearns-gill.com. For queries on the call for abstracts or SPE Aberdeen in general, please visit www.spe-aberdeen.org or email aberdeen.events@spe-uk.org.

FOR MORE INFORMATION, CONTACT ABERDEEN.EVENTS@SPE-UK.ORG

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