

Seismic2022

SEISMIC 2022 AND BEYOND – THE CONTINUING ROLE OF SEISMIC IN THE ENERGY INDUSTRY

4-5 MAY 2022
P&J LIVE, ABERDEEN

Organiser



Supported by



TECHNICAL PROGRAMME

Seismic 2022 will cover the entire energy lifecycle from exploration through appraisal, development and production and through to abandonment, decommissioning and re-purposing.

We will explore how Seismic supports the UK's Energy strategy as well as sustainably support its Net Zero ambitions and the increasing development of new energies.

Who should attend?

Seismic 2022 is not only relevant to Geoscientists and Geophysicists, but also those in non-Geo-related roles, such as Petroleum Engineers and Senior Decision makers in Operators and Service companies.

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Seismic Young Professionals Event

The Seismic YP Event will take place on the first day of Seismic 2022 and will feature short presentations and panel sessions including a Q&A which will give you the opportunity to question our panel. This is a free event, following which, all attendees are invited to attend the Seismic 2022 Networking Reception!

For more information and to book, visit:

www.spe-aberdeen.org/events/seismic-2022/

Networking Session

Networking is something that we have missed over the last two years! Join us for drinks, reconnect with your peers and meet some new contacts! This will take place at the end of Day 1 of Seismic 2022.

Exhibition

Make sure you visit the exhibition in the catering area during the lunch and breaks. We can't wait to see and hear about all the latest technologies and trends. If you'd like to take exhibition space, more information is at the end of this programme.



Technical Programme – Day 1

DAY 1	4TH MAY 2022		
7:30	REGISTRATION		
Session 1	CCS		
8:30	Opening Remarks	Ian Barron	Conference Chair
8:35	Keynote	Herlinde Mannearts-Drew, VP of Subsurface Transformation	bp
8:55	Seismic interpretation and its impact in a CCS project: A real, and recent, example from The Northern Lights Project	Catalina Acuna	Northern Lights
9:15	Broadband Processing Improves CO ₂ Monitoring at the Sleipner CO ₂ storage site, North Sea	Marta Wierzchowska	PGS
9:35	Utilizing Distributed Acoustic Sensing (DAS) for CO ₂ Containment Monitoring	Carson Laing	Optasense
9:55	Panel discussion / Q&A		
10:15	BREAK		
Session 2	NEAR-SURFACE SEISMIC		
10:45	The Winds of Change: The Future of Seismic in the Renewables Sector	Gareth Wood	bp
11:10	UHR3D Data for Near Surface Seismic Geomorphology Applications	Lewis Cottee	Vysus
11:35	A paradigm for accurate, fast, cost-effective anisotropic shear wave velocity (Vs) data for offshore seabed engineering applications.	Graham Gillot	Talaria
12:00	Dedicated diffraction imaging for sub-seafloor object detection	Stefan Wenau	Fraunhofer IWES
12:25	LUNCH		

Technical Programme – Day 1

DAY 1	4TH MAY 2022		
Session 3	CCS		
13:25	The Britannia Satellites 4D Project – Value of 4D Seismic Information in a Mature Development Area	Gavin Eardley	Harbour
13:50	Improving signal-to-noise and reducing depth uncertainty at Golden Eagle using 4D wavefield harmonisation	Andrew Wilson	CNOOC International
14:15	Improving efficiency and creating deeper insights for 4D seismic interpretation by analysing pre-stack seismic data	Jorg Herwanger	Sharp Reflections
14:40	4D Seismic in the Catcher Area - Shining a new light on reservoir management in complex injectite sands	Duncan Emsley	Harbour
15:05	BREAK		
Session 4	ACQUISITION		
15:35	Extending low-frequencies with a new seismic air-source design	Ed Hager	Shearwater
16:00	An automated PAM system for the detection, localization and identification of marine mammals	Nicolas Tellier	Sercel
16:25	Free-Fall OBN Technology using Existing Node Inventory – Enabling Cost-Effective Access to Full-Azimuth, Long-Offset Data in Seismic Exploration	Marc Rocke	Magseis Fairfield
16:50	Pushing the Limits of Marine Seismic Resolution	Andrew Long	PGS
17:30	NETWORKING RECEPTION		
19:00	CLOSE		

Technical Programme – Day 2

DAY 2	5TH MAY 2022		
7:30	REGISTRATION		
Session 1	IMAGING & PROCESSING		
8:30	Opening Remarks		
8:35	Improving imaging in presence of strong Q anomalies and multiple contamination – Gullfaks fields, Norwegian North Sea	Krzysztof Cichy	CGG
9:00	Extracting seismic AVO parameters directly during full-waveform inversion of raw field data	Mike Warner	S-Cube
9:25	Imaging the intra-volcanic Colsay reservoir intervals: comparison of imaging methods on the Rosebank field, West of Shetlands	Dirk Wallis	Equinor
9:50	Solving distortions at target and protecting complex structure at the Ivar Aasen field	Zsofia Dobo	CGG
10:15	Application of Diffraction imaging to fractured basement reservoirs	Claudio Paleari / Roger White	Petrotrace / Hurricane
10:40	BREAK		
Session 2	RESERVOIR CHARACTERISATION		
11:10	Intravolcanic multiple scattering: can we characterise sand distribution in Colsay Member reservoirs, West of Shetlands?	Andy Alexander	Siccar Point
11:35	Integrated multi-discipline reservoir characterisation of the Cygnus field	Scott Dingwall	Neptune
12:00	Improving Consistency in the Subsurface Seismic Characterisation Workflow	Kester Waters	Ikon
12:25	From geological cartoons to synthetic seismic: quantifying subsurface uncertainty in the Schiehallion field	Lifeng Wang	bp
12:50	LUNCH		

Technical Programme – Day 2

DAY 2	5TH MAY 2022		
Session 3	NEAR-SURFACE SEISMIC & NEW ENERGIES		
13:50	Mitigating impact of wave-height effect on ultra-high resolution seismic data processing	Krishna Ramani	Schlumberger
14:15	Benefits from modern re-processing of shallow, ultra-high resolution seismic data (for wind turbine placement) – a case study.	Grog Fookes	Geoprovider
14:40	Extending the value of seismic – a high resolution experiment on North Sea 3D exploration data for new energy applications	Julien Oukili	PGS
15:05	Constraints on Fracture Distribution in Geothermal Fields Using Seismic Noise Beamforming	Heather Kennedy	Aberdeen University
15:30	BREAK		
Session 4	CCS		
16:00	CCUS Seismic Survey Design – SNS 2022 Campaign	Charles Cooper	bp
16:25	Assessing the Role of Seismic in CO ₂ Storage Site Selection in the Southern North Sea	David Barlass	Schlumberger
16:50	An emerging solution for an emerging CCS market: Fugro's Seismic Resolution Uplift – A Cost Effective Shallow CO ₂ Monitoring Solution?	Benedict Robbins	Fugro
17:15	Integrated CCS and Induced Seismicity Monitoring Solutions with Fibre Optic	Andres Chavarria	Optasense
17:40	CLOSING REMARKS		Ian Barron
17:45	CLOSE		

Sponsorship Opportunities And Booking Information

SPE Aberdeen is a not for profit organisation

SPE Aberdeen is a not-for-profit organisation and are organisers of this event. All surplus funds raised will get reinvested into various initiatives to help support our future generation of young engineers and geoscientists.

All sponsorship opportunities will ensure your logo is prominently positioned across all promotional materials, including the SPE Aberdeen Website, Abstracts Flyer, Conference Programme, On-screen Graphics and Abstracts Book. Your company will also be profiled on social media and within the SPE Aberdeen Monthly Emailers and will be recognised by the Conference Chair on the day. Additional benefits are outlined in each package below. All costs outlined exclusive of VAT.

PLATINUM SPONSOR

£5,000

- Five complimentary delegate passes
- Pop-up stand or banner to display in conference hall

EVENT SPONSOR

£3,000

- Two complimentary delegate passes and 'Pop-up stand or banner to display in conference hall

LUNCH SPONSOR

£1,950 **SOLD**

- One complimentary delegate pass and 25% discount on an additional pass
- Logo displayed at catering points during lunch

BREAKFAST SPONSOR

£1,200

- One complimentary delegate pass and 25% discount on an additional pass
- Logo displayed at catering points during breakfast

COFFEE BREAK SPONSOR

£1,200

- One complimentary delegate pass and 25% discount on an additional pass
- Logo displayed at catering points during coffee breaks

REGISTRATION SPONSOR

£1,200 **SOLD**

- One complimentary delegate pass and 25% discount on an additional pass
- Logo displayed at registration area during coffee breaks

PROGRAMME SPONSOR

£1,500

- Opportunity to sponsor a specific day of the programme
- One complimentary delegate pass and 25% discount on an additional pass

LANYARD SPONSOR

£1,950 **SOLD**

*These can either be provided in kind or can be sourced for you at a cost.

- One complimentary delegate pass and 25% discount on an additional pass
- Logo on lanyard together with the event logo

NETWORKING RECEPTION SPONSOR

£1,950

- One complimentary delegate pass as part of Networking reception and one pass for conference
- Pop-up stand or banner to display in Networking Reception

EXHIBITION OPPORTUNITIES £1,100 + VAT PER SINGLE UNIT

- We will have a limited number of 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.
- A basic exhibition space (approx. 3m wide x 2m deep) is suitable for a pop-up portable display stand or table top display. Two or more adjacent units can be combined to make a larger space. A tressel table and two chairs will be provided.
- One free delegate pass for the conference
- Logo in Abstracts Book issued to all delegates

Booking Information

	Early Bird Until 31 March	Delegate Rate after 31 March
Members 1 day	£295	£345
Members 2 days	£390	£440
Non Members 1 day	£345	£395
Non Members 2 days	£485	£540
Students and unemployed 1 day*	£35	£35
Students and unemployed 2 days*	£60	£60

All costs exclude VAT

Costs include car parking at the venue

Special 'buy 4 get 1 free' rates available.

*Limited tickets available.



CONTACT INFORMATION

Visit – [SPE Aberdeen Website](#)

Email – aberdeen.events@spe-uk.org

Call – 01224 646311