



CO₂ STORAGE CONFERENCE 2024

1 - 2 October 2024
Chester Hotel, Aberdeen



TECHNICAL PROGRAMME

Contains information provided by the North Sea Transition Authority and/or other third parties

Carbon Capture and Storage (CCS) has the potential to decarbonise the economy and maximise economic opportunities for the UK. The UK Committee on Climate Change (CCC) has gone further, stating that CCS is a necessity, not an option.

Driven by global policy support, carbon capture capacity is expanding and diversifying into hard-to-abate sectors such as cement, iron and steel, and power. Transport and storage networks represent major pillars in the CCS chain, and net-zero scenarios will require significant CO₂ transport and storage infrastructure.

With an estimated 100 stores required in the UK alone, the lack of transport and storage capacity could prove to be a bottleneck for carbon capture deployment. As investments in carbon capture, transport, and storage infrastructure reach new heights, there is an urgent need for industry, research, and academia to share knowledge and demonstrate the ability to safely and efficiently transport and store CO₂.

We invite you to attend the CO₂ Storage Conference on 1-2 October 2024. This event offers unparalleled opportunities to:

- Learn from and share knowledge with leading experts in the field
- Explore cutting-edge innovations and technologies that are paving the way for cost savings and expediting project timelines
- Network with industry peers and potential collaborators
- Gain insights into the latest developments in CO₂ storage technologies and best practices

KEY SESSIONS:

- Well Integrity
- Industry Development & Best Practices
- Well & Reservoir Modelling
- CO₂ Injection
- Storage Site Selection
- Measurement, Monitoring & Verification (MMV)
- Well Design



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DAY 1 : MORNING

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Start	Title	Speaker	Company
8:00	REGISTRATION, BREAKFAST & NETWORKING 8:00 - 9:00		
	OPENING KEYNOTE SESSION 9:00 - 10:30		
9:00	Keynote 1: Making CCUS a reality: Unlocking the UK's potential to develop a world-leading CCUS industry	David Whitehouse	OEUK
9:20	Keynote 2: Towards CO ₂ transport and storage in the UK with the Northern Endurance Partnership	Dr Peter McFadzean	Equinor
9:40	Keynote 3: CCUS: A DESNZ Perspective	Michael Brawley	Department for Energy Security and Net Zero
10:00	Panel Discussion		
10:30	NETWORKING BREAK & STUDENT POSTERS 10:30 - 11:00		
	WELL INTEGRITY 11:00 - 12:30		
11:00	Legacy wells in CO ₂ stores	Margaret Copland	NSTA
11:25	Development of a Modelling Tool for Integrity Assessment of Legacy Wells in CO ₂ Storage Applications – Project update	Saeed Ghanbari & Morteza Haghighat Sefat	Heriot-Watt University
11:50	Probabilistic Well Integrity Risk Assessment Framework Power by Hyper-Fast Multiphysics Simulations	Dr. Clément Joulin	Net Zero Geosystems
	TECHBYTE SESSION		
12:15	Inner string cementing system enables optimised cement placement and bonding to meet long term-well integrity objectives in CCS wells	Mark Elder	Expro
12:20	Storing CO ₂ in legacy well formations	Anthony Whales	Aquaterra Energy
12:30	LUNCH, NETWORKING & STUDENT POSTERS 12:30 - 13:55		



DAY 1 : AFTERNOON

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Start	Title	Speaker	Company
12:30	LUNCH, NETWORKING & STUDENT POSTERS 12:30 - 13:55		
13:55	INDUSTRY DEVELOPMENT & BEST PRACTICES 13:55 - 15:15		
13:55	SSSV Qualification for CCUS - a Joint Industry Project (JIP)	Elisabeth Tweedie	NZTC
	TECHBYTE SESSION		
14:20	7 in CCUS Subsurface Safety Valve Development and Qualification	Phil Stone	Halliburton
14:25	Corrosion testing of CRA materials in simulated CO ₂ injection well environments	Rodrigo Oropeza Bonfanti	Storegga
	PANEL SESSION 14:30 - 15:15		
14:30	Pivoting Our Profession - Petroleum Engineering in a Net Carbon Zero World	Caragh Mcwhirr, Xodus; Ingrid Huldal, Expro; Ian Phillips, Blade Energy. Moderator - Ben Ward, OEUK	
15:15	NETWORKING BREAK & STUDENT POSTERS 15:15 - 15:45		
	WELL & RESERVOIR MODELLING 15:45 - 17:00		
15:45	Friction controlled dual phase injection in depleted gas field: Challenges and opportunities	Alice Sorbier	Shell
16:10	Repeated Cycling on a Carbon Capture Storage Well: How to Simulate Fatigue Stresses in Cement?	Emmanuel Therond	bp
16:35	Understanding of Asphaltene Precipitation during CO ₂ Geological Storage in Depleted Oil Reservoirs	Yasser Aljeshi	Imperial College London
17:00	Day 1 closing remarks		
17:05	NETWORKING DRINKS RECEPTION 17:00 - 19:00		
19:05	END DAY 1		



DAY 2 : MORNING

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Start	Title	Speaker	Company
8:00	REGISTRATION, BREAKFAST & NETWORKING 8:00 - 9:00		
	OPENING SESSION - CO₂ INJECTION 9:00 - 10:45		
9:00	Keynote - Integrated thinking to unlock CCS growth	Dr. Owain Tucker	Shell
9:25	Project Poseidon - Leman CO ₂ Injection Test	Marta Puig-Alenya/Wei Cher Feng	Perenco
9:50	Injecting warm CO ₂ . What is the issue?	Luis Acevedo	Shell
10:15	Key Design Aspects of the Porthos CO ₂ Injection Wells	Steve Armstrong	TAQA
	TECHBYTE SESSION		
10:40	Physical differentiation of injected CO ₂ for CCS monitoring utilizing chemical tracer technology	Omon Ochilov	Resman
10:45	NETWORKING BREAK & STUDENT POSTERS 10:45 - 11:15		
	STORAGE SITE SELECTION 11:15 - 12:40		
11:15	Sub-Regional CO ₂ Storage Development - Selecting multiple storage sites to support the decarbonization of the UK's East Coast	Mehdi Alem	bp
11:40	Modelling of flow, thermal and geomechanics processes in CCS projects	Tim Wynn	TRACS International Ltd
12:05	Assessing the CO ₂ storage potential of the western Eromanga Basin, Australia.	Adam Borushek & Barry Brennan	RISC Advisory
	TECHBYTE SESSION		
12:30	Well Integrity workflow in CCS projects: Is it possible to use existing wells for CO ₂ injection? What are the challenges & mitigations?	Ayman Samy	Baker Hughes
12:35	Coupled Fluid Flow and Geomechanical Modeling in Depleted Gas Reservoirs: CO ₂ Storage Development Plan De-Risking	Marco Misenta	Computer Modelling Group Ltd.
12:40	LUNCH, NETWORKING & STUDENT POSTERS 12:40 - 13:40		



DAY 2 : AFTERNOON

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Start	Title	Speaker	Company
12:40	LUNCH, NETWORKING & STUDENT POSTERS 12:40 - 13:40		
	MEASUREMENT, MONITORING & VERIFICATION 13:40 - 14:55		
13:40	CO ₂ Storage Monitoring with Surface-DAS: Adaptive Strategies and Techniques	James Butt	SLB
14:05	Deploying Passive/Microseismic Technology to Monitor Subsurface Reservoir During CO ₂ Injection	Dr Roy Bitrus	TensorGeo
14:30	Wireless downhole monitoring system offers greater scope and assurance for reservoir surveillance in CO ₂ storage projects	Keith Elphinstone	Expro
14:55	NETWORKING BREAK & STUDENT POSTERS 14:55 - 15:25		
	WELL DESIGN - PRESENTATIONS & PANEL SESSION 15:25 - 16:25		
15:25	CO ₂ injection well design and stress analysis	Ian Phillips	Blade
15:35	Advanced Numerical Modelling in Carbon Capture and Storage Well Design	Mike Byrne	AXIS
15:45	Casing and Tubing Design for CCS Wells: A Review of Critical Scenarios	Frank Xu Feng	SLB
15:55	Fit-for-Purpose CO ₂ Injection Model For Casing and Tubing Design	Ruggero Trevisan	Altus Well Experts Inc.
16:05	PANEL DISCUSSION		All
16:25	CLOSING REMARKS - END DAY 2		



Booking

	Early Bird until 9 August	Standard
Member both days	£290	£340
Member 1 day	£195	£245
Non-members both days	£385	£440
Non-members 1 day	£245	£295
Students & Unemployed both days	£45	£45
Students & Unemployed 1 day	£25	£25

*All costs are subject to VAT at the current rate

* Member rates available to members of the following organisations: SPE; GESGB; The Energy Institute, Aberdeen Branch; Institute of Mechanical Engineers, Aberdeen Branch; EIC; Decom NS; Institute of Measurement and Control, Aberdeen Branch; ICOTA Europe.

Book Now!

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



Sponsorship Opportunities

SPE Aberdeen and GESGB are both not-for-profit organisations and are the organisers of this event. 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 through providing bursaries.

All costs outlined exclusive of VAT.

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- Opportunity to display a pop-up stand or banner in conference hall (to be provided by sponsor).

Event Sponsor £3,000

- 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

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- Company branding across all event materials
- Logo on lanyard (to be provided by sponsor or can be sourced at a cost)

Lunch Sponsor £1,950 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

SOLD Coffee Break Sponsor

- 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

SOLD Networking Reception Sponsor

- 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)

SOLD Registration Sponsor

- 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

SOLD Programme Sponsor

- 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



Exhibition Packages

Exhibition Stands **£950 per unit**

Opportunities exist for companies to demonstrate data, technologies and services 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 6ft 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.

To enquire about sponsorship or exhibition packages, please contact leanne.sinclair@mearns-gill.com.

For queries on the programme or SPE Aberdeen in general, please visit spe-aberdeen.org or email aberdeen.events@spe-uk.org.

