

ECET 2026

Engineering Chemistry for the Energy Transition

A technical symposium on credible energy transition deployment – Exploring practical challenges, evidence gaps, operational readiness and cross sector learning

DATE	VENUE	FORMAT	PROGRAMME CHAIR
Wednesday 28 October 2026	Ardoe House Hotel, Aberdeen	Full day, 08:15 – 17:00	Dr Ross MacDonald, Spirit Energy

ACKNOWLEDGEMENT The technical programme below was co-designed by Stephen Heath and Dr Eugenia Marinou.

THE DAY AT A GLANCE

12 presentations 4 technical sessions 4 networking breaks 1 hour 15 for lunch



08:15 Registration opens

17:00 Close

Keynote Session 1 Session 2 Session 3 Session 4 Welcome & close Refreshments & networking

08:15–08:45 — Registration, coffee and networking

08:45
09:00 **Welcome, housekeeping and introduction**
Stephen Heath · Creative Chemical Solutions Ltd

K **Keynote**
OPENING KEYNOTE · 09:00–09:35 · 1 PRESENTATION

09:00
09:35 **01 From Whale Oil to Nuclear Energy: The Reality (?) of Scaling Energy Systems**
Anne Haase · Bilfinger Nuclear

S1 **Strategic framing, deployment and assurance**
SESSION 1 · 09:35–10:25 · 2 PRESENTATIONS

09:35
10:00 **02 IED BAT Requirements and the Chemical Industry: A Practical Approach to Compliance and the Energy Transition**
Ian Thompson · Vysus Group

10:00
10:25 **03 Corrosion and Integrity Assurance for the Energy Transition: Lessons from Oil and Gas and Emerging Systems**
Stephen Tate · Past President, Institute of Corrosion

10:25–10:55 — Morning coffee break and networking

S2

Hydrogen and subsurface behaviour

SESSION 2 · 10:55–12:10 · 3 PRESENTATIONS

10:55 11:20	04	Geochemical, mineralogical and microbiological investigations into hydrogen storage in porous media using stored core materials Dr Simon Gregory · British Geological Survey (BGS)
11:20 11:45	05	Hydrogen & Bugs: When subsurface microbiology becomes an engineering problem Dr Eugenia Marinou · University of Aberdeen / Independent Technical Adviser
11:45 12:10	06	From Challenge to Solution: Repurposing Mineral Scale for the Energy Transition Dr Oleg Ishkov · Rockit

12:10–13:25 — Lunch in the restaurant and networking

S3

Geothermal, carbon management and mineralisation

SESSION 3 · 13:25–14:40 · 3 PRESENTATIONS

13:25 13:50	07	Materials Selection for Geothermal Applications: Not Just a Question of Corrosion Resistance Dr Ralph Bäßler · Federal Institute for Materials Research and Testing (BAM)
13:50 14:15	08	From the lab to the plant: Scaling up a new carbon capture approach Dr George Dowson · CCU International
14:15 14:40	09	CO₂ Mineralisation: Beyond Conversion Efficiency to Process Readiness Dr Andrew Farrell · Scaled Solutions Ltd

14:40–15:10 — Afternoon coffee break and networking

S4

Resource recovery and cross-sector lessons

SESSION 4 · 15:10–16:25 · 3 PRESENTATIONS

15:10 15:35	10	Engineering Catalysis for Waste Valorisation Dr Ines Graca · University of Aberdeen
15:35 16:00	11	Direct Lithium Extraction: UK and Worldwide Progress and how Ceramic Additive Manufactured Ultrafiltration Membranes are Unlocking Brining Projects Andrew Walker · Evove
16:00 16:25	12	From Nuclear Legacy to Energy Transition Delivery: Lessons in Characterisation, Waste Management and Long-Term Technical Assurance Dr David Orr · NRS Dounreay (Nuclear Restoration Services)
16:25 16:40		Closing remarks, key messages and thank you Stephen Heath · Creative Chemical Solutions Ltd

16:40–17:00 — Final networking and end of event

REGISTRATION

ecet.creativechemicalsolutions.uk.com

Early bird £300 — Ends 11 September 2026. No VAT is charged on delegate rates. The price shown is the total amount payable.

Ardoe House Hotel, South Deeside Road, Blairs, Aberdeen AB12 5YP



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