

Hybrid Conference

20 – 21 November 2025

The Fookes Meeting for Engineering Geology
CONFERENCE PROGRAMME



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Thursday 20 th November 2025		
0900-0930	Registration opens	
0930-0945	Welcome Address	
0945-1030	Keynote: Contours and curves: charting the topography of a career in geoscience	Maria Holloway-Strong, <i>AtkinsRéalis</i>
1030-1100	Tea & coffee break	
SESSION ONE		
1100-1115	A case study assessment of debris flow processes and potential impact on the A83, Lower Glen Croe	Frances Crabb, Jacobs
1115-1130	Engineering Geological Characterization of Hydrothermally Altered Materials in Dam Foundations	Sarah Jacob, BGC Engineering Inc.
1130-1145	A review of highway chalk cut slope performance and hazards in the Southeast of England	Emily Prosser, Mott MacDonald
1145-1200	Distinguishing mudstone, residual mudstone and subglacial till in CPTu and seismic data	Scott Adam Smith, Norwegian Geotechnical Institute
1200-1215	Q&A Session	
1215-1245	Poster presenters panel session	
1245-1345	Lunch and posters	
SESSION TWO		
1345-1400	Integrated Approach to Investigate Seawater Intrusion into Coastal Freshwater Aquifers Using Electrical Resistivity Tomography and Vertical Electrical Sounding: A Case Study in Cape Coast, Ghana	Emmanuel Anthony Kingspride Amissah, Technical University of Darmstadt (v)
1400-1415	“How do you recover from no recovery”, overcoming challenges posed by incomplete exploratory hole logs.	Jordan Sinnott, SYSTRA Ltd
1415-1430	Engineering Geologists in the Drive for Efficient, Net Zero Electrical Infrastructure	Thomas Kettle, Mott MacDonald
1430-1445	Q&A session	
1445-1515	Poster presenters panel session	
1515-1530	Tea & coffee break	
SESSION THREE		
1530-1545	Title Tbc	Title Tbc
1545-1730	Evening drinks & posters	

Friday 21 st November 2025		
0830-0900	Arrival, tea & coffee	
SESSION FOUR		
0900-0930	Keynote: Title TBC	Jonathan Hart
0930-0945	Total stress informed engineering geomorphology, and weathering profiles, as tools to better understand hydrological processes to inform landslide modelling in the Idukki region of Kerala, Southern India.	Vanessa J Banks, <i>British Geological Survey</i>
0945-1000	B4069 Lyneham Banks Landslide Remediation – Improving the georesilience of the UK’s wonkiest road	Vicky Corcoran, <i>AtkinsRéalís</i>
1000-1015	Landslide Hazard Design Event Determination Using Magnitude-Cumulative Frequency Method: Observations from Case Studies in Hong Kong	Wenzhu Hou, <i>BGC Engineering Inc.</i>
1015-1030	Ventnor, Isle of Wight: the challenges of geology, landslides & climate on the town and its residents	Stephen Fort, <i>AtkinsRéalís</i>
1030-1040	Q&A	
1040-1100	Tea & coffee break	
SESSION FIVE		
1100-1145	Keynote: Considering resilience in design for linear infrastructure subject to the effects of natural hazards	Jean D Hutchinson, <i>Queen's University</i>
1145-1200	Well gassing during dewatering works in central London	Toby Roberts
1200-1215	Landslide hazard assessment and mitigation: A case study of pipeline risk reduction from a mudslide in northeast Türkiye	David Waring,
1215-1230	Title TBC	Jessica Smith (v)
1230-1245	Use of Drones for Enhanced Fieldwork: Revolutionising Field Mapping, Geomorphology and landslide monitoring.	Adam Dargan, <i>AtkinsRéalís</i>
1245-1300	Q&A	
1300-1400	Lunch & posters	
SESSION SIX		
1400-1430	Keynote: Title TBC	Stephanie Boffey-Rawlings, <i>AtkinsRealis</i>
1430-1445	Hollowing out a mountain (again): the Cruachan Expansion project	Cat Hirst, <i>COWI UK Ltd</i>
1445-1500	Applying Total Geological History to Offshore Windfarm Development & Design-focused Ground Modelling	Andrew Hart, <i>AtkinsRéalís</i>
1500-1515	Engineering Geology in Tunnelling – More than Just Numbers?	Mark Diederichs, <i>Queen’s University</i>
1515-1530	Q&A	
1530-1600	How did Peter Fookes shape your career?	Gareth Hearn, <i>Hearn Geoserve</i> , Mark Lee, <i>Ebor</i>
1600-1630	Closing Remarks, posters, tea & coffee	

Investigating Thermal-Hydro-Mechanical Coupling in Mudstones under Varied Thermal Cycles	Amanda Norman, <i>University of Leeds</i>
The use of Digital Geoscience on the C23 Section of the HS2	Gareth Barker, <i>EKFB</i>
Geodigital methods for assessing coastal erosion risk to critical infrastructure at Point Loma, San Diego	Natalie Stevenson, <i>Jacobs</i>
Preliminary feasibility analysis for offshore wind developments in the geologically complex Galerazamba Gap offshore of northern Colombia	Adam Kirby, <i>Geowynd</i>
Case Studies of Earth Structure Failures on an Aging Canal Network	Joshua Blacker, <i>Canal & River Trust</i>
Geological Realism in Slope Stability Analysis: Three-Dimensional Geological Modelling Compared to Worst-case Design Ground Models	Archie Bunney, <i>SYSTRA (UK & Ireland)</i>
The Origin and Genesis of the Glacial Deposits (Tills) of a Loch Lomond Stadial Glacier, and the Implications for Glacier Reconstructions: Glen Varragill, Isle of Skye	Tobias Alexander Darke, <i>Durham University</i>
Case study of the use of the observational approach to rock excavation for the STEP Abdelmoumen Project in Morocco	Thomas Chauvin, Vinci Construction Grands Projects
Cliffs of Moher Geohazard Assessment	Marie Fleming, Arup
The examination of periglacial shear surfaces and discontinuities in weathered mudstones	Giles Hemmings, Eiffage-Kier-Ferrovial-BAM JV (EKFB)
From concepts and comprehension to chaotic but confident and dynamic terrain evaluation: a quantum of relief	Paul Nathanail, LQM
Engineering the Anthropocene - From Desk Study to Construction on Historical Landfills - Case Study Slyfield Industrial Estate Access Road	Bridgette Maphosa, AECOM

Co-Convenors:

Ruth Allington – Allington Collaborative Problem Solving Ltd

Anna Morley - Arup

Gareth Hearn – Hearn Geoserve

Helen Reeves - Jacobs

Mark Lee – Ebor

Matt Owen – Global Maritime



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