

## PROGRAMME

<b>Tuesday 4 March</b>	
08.30	<b>Registration</b>
09.00	<b>Welcome</b>
	<b>Session One: Exploration – Reconnaissance Scale and Basin Access</b> <i>Session Chairs: Mike Bowman and Helen Smyth</i>
09.10	<b>Keynote Speaker: Andy Whitham (CASP):</b> Driving Exploration towards the Continent Ocean Boundary: The Impact Of Late Cretaceous Provenance Studies In East Greenland and Mid Norway
09.40	<b>Andrew Hurst (University of Aberdeen)</b> Application of Outcrop Analogues in Successful Exploration of a Sand Injectite: Volund Field, Norwegian North Sea
10.05	<b>Rufus Brunt (University of Manchester)</b> New Insight into the Continuity of Deepwater Depositional Systems from an Exploration Scale Outcrop Study; Laingsburg Karoo, South Africa
10.30	<b>Break &amp; Poster Session</b>
11.00	<b>Rod Graham</b> Big Outcrops, Seismic Sections and Salt.
11.25	<b>Brian Burnham (University of Manchester)</b> 3D Geologic and Reservoir Modelling of a Distributive Fluvial System derived From lidar: A Case Study of the Huesca Fluvial Fan.
11.50	<b>Massimo Rossi (ENI)</b> Integration of Outcrop and Subsurface Data in the Episutural Tertiary Piedmont Basin (Italy): Stratigraphic/Mixed Play Types Generated By Regressive Surfaces of Erosion vs. Drowning Unconformities and Implications on Reservoir Heterogeneity.
12.15	<b>Rob Gawthorpe (University of Bergen)</b> Integrated Structural and Sedimentological Analogues for Plays In Rift Basins: Coupled Traditional and Digital Outcrop Examples from the Miocene of the Sinai Margin of the Suez Rift, Egypt
12.40	<b>Andrew Bladon (Keele University)</b> Linked Outcrop and Subsurface Studies on the Initiation and Early Structural Evolution of the Barmer Basin
13.05	<b>Lunch &amp; Poster Session</b>
	<b>Session One (continued): Exploration – Reconnaissance Scale and Basin Access</b> <i>Session Chair: Colm Jordan</i>
14.05	<b>Andy Racey (BG Group)</b> The Value of Fieldwork in Making Connections between Onshore Outcrops and Offshore Models: An Example from India
14.30	<b>Darren Jones (Surestream Petroleum Ltd)</b> Frontier Exploration: Using Onshore Structural Measurements to Understand the Subsurface and Structural Evolution of the Livingstone Basin, Lake Malawi
14.55	<b>Helen Smyth (HRS Geologic)</b> Challenges and Rewards of Fieldwork In Frontier Hydrocarbon Provinces – An Example from the Canadian High Arctic
15.20	<b>Break &amp; Poster Session</b>

## Reducing Subsurface Uncertainty & Risk through Field-based Studies

	<b>Session Two: Structural Outcrop Studies and Field Analogues</b> <i>Session Chairs: TBC and Richard Fox</i>
15.50	<b>Keynote Speaker: Dave Sanderson (University of Southampton)</b> Field-Based Structural Studies as Analogues for Reservoirs
16.15	<b>Raffaele Di Cuia (G.E.Plan Consulting)</b> Multi-Scale Outcrop Structural Studies to Better Constrain the Interpretation of Dynamic Data in Fractured Reservoirs and to Better Plan Field Development Strategies: Examples from Kurdistan Region of Northern Iraq
16.40	<b>Benjamin Franklin (Getech)</b> Characterising Fracture Systems on the Isle of Lewis: An Onshore Analogue for the Clair Field
17.05	<b>Raffaele Di Cuia (G.E.Plan Consulting)</b> How a Detailed Structural and Geological Outcrop Based Study is Helping to Better Characterise a New Oil Discovery in Southern Albania.
17.30	<b>Wine Reception &amp; Poster Session</b>

## Wednesday 5 March

08.30	<b>Registration</b>
09.00	<b>Welcome</b>
	<b>Session Three: Applications to Reservoir and Field Appraisal</b> <i>Session Chairs: Mike Bowman and Helen Smyth</i>
09.15	<b>Keynote Speaker: Dave Hodgson (University of Leeds)</b> The Good, the Bad, and the Levee: Thin-Bedded Turbidite Outcrops As Critical Analogues in Reducing Deep-Water Field Development Uncertainties
09.45	<b>Matthew Lewis (Imperial College London)</b> Variability of Structural and Stratigraphic Traps Associated With Extensional Fault-Propagation Folds – Syn-Rift Stratal Architecture and Facies Variation along the Hadahid Fault System, Suez Rift, Egypt
10.10	<b>Larissa Hansen (University of Aberdeen)</b> Reducing Reservoir Uncertainty within Channel-Related Thin-Bedded Turbidites
10.35	<b>Break &amp; Poster Session</b>
11.05	<b>Berit Legler (Imperial College London)</b> Facies Architecture of the Distal Sego Sandstone (Colorado, USA) – Outcrop Analogue for Mixed, Wave- And Tide-Influenced Deltaic Reservoirs
11.30	<b>Andrew Bowman (BP Trinidad &amp; Tobago)</b> Hydrocarbon Reservoirs of the Columbus Basin, Trinidad; Insights from the Mayaro Formation Outcrop Analogue.
11.55	<b>Chris Jackson (Imperial College London)</b> Deep-Water Stratigraphic Traps Above Mass-Transport Complexes (Mtc): The Role of Outcrop Analogues in Reducing Subsurface Uncertainty and Risk
12.15	<b>Ole Martinsen (Statoil, Norway)</b> Field Geology in Industry: A Recent Paradigm Shift in Methods and Applications
12.40	<b>Peter Houghton (University College of Dublin)</b> New Deepwater Insights in the Late Carboniferous Ross Sandstone of Western Ireland: Early Results Of Behind Outcrop Drilling
13.05	<b>Lunch &amp; Poster Session</b>

## Reducing Subsurface Uncertainty & Risk through Field-based Studies

	<b>Session Four: Applications to Development and Production: Outcrop-Scale Fieldwork</b> <i>Session Chairs: Philip Hirst and Tim Good</i>
14.05	<b>Liz Chellingsworth (AGR TRACS)</b> Rocks to Riches – How Petroleum Engineers Get Value from Outcrops
14.30	<b>Patrick Corbett (Heriot-Watt University)</b> Conversion of Outcrops to Well Test Responses to Minimise Interpretation Ambiguities
14.55	<b>Gary Hampson (Imperial College London)</b> Outcrop-Based Reservoir Models: Fieldwork-Derived Numerical Laboratories to Constrain and Mitigate Subsurface Uncertainty
15.25	<b>Break &amp; Poster Session</b>
15.50	<b>Andrew Newell (British Geological Survey)</b> Using Digital Outcrop Data to Improve CO2 Flow Simulation at Reservoir-Caprock Interfaces: An Example from the Sherwood Sandstone of SW England
16.15	<b>Allison Jackson (University of Utah)</b> Quantifying the Impact of Intra- And Inter-Channel Architecture on Reservoir Connectivity Using Outcrop-Based Modelling Workflows, Tres Pasos Formation, Magallanes Basin, Chile.
16.40	<b>Philip Hirst (BP Exploration)</b> Ordovician Shallow Marine Sandstones In Algeria – The Application of Coeval Outcrops to Constrain the Geometry and Facies of a Discontinuous, High Quality Gas Reservoir
17.05	<b>Stephanie Kape (BG Group)</b> Completing the Circle: Production to Field Work to Field Course
17.30	<b>Wine Reception &amp; Poster Session</b>

## Thursday 6 March

08.30	<b>Registration</b>
09.00	<b>Welcome</b>
	<b>Session Five: Value of Outcrop Studies in Unconventional Resource Exploration &amp; Development</b> <i>Session Chairs: Simon Passey and TBC</i>
09.15	<b>Keynote Speaker: Art Donovan (BP)</b> How Integrated Outcrop Studies & a Research Borehole Can Impact Your Subsurface Understandings across a Play Fairway: Learning's from the Eagle Ford Outcrops of West Texas
09.45	<b>Foivos Spathopoulos (Imperial College London)</b> The Role of Outcrop Studies in Unconventional Shale Exploration
10.10	<b>Kevin Taylor (University of Manchester)</b> Outcrop Observations for Improved Sedimentological and Diagenetic Architecture in Mudstones and Shale Reservoirs, The Upper Cretaceous Mancos Shale, USA.
10.35	<b>Break &amp; Poster Session</b>
11.05	<b>Susan Daniels (Geospatial Research Ltd)</b> Utilising Outcrop Analogues to Understand Natural Fracture Systems in Shales
11.30	<b>Henrik Vosgerau (Geological Survey of Denmark and Greenland)</b> 3D Photogeological Study of Faroese Cliff Sections as an Analogue for Intra-Volcanic Reservoir Architectures
	<b>Session Six: HSE in Field and Outcrop Studies</b> <i>Session Chair: Colm Jordan</i>

## Reducing Subsurface Uncertainty & Risk through Field-based Studies

12.00	<b>Keynote Speaker: Caroline Gill (Shell)</b> Keeping Safe in the Field: What, How and Why.
12.30	<b>Wayne Gladwin (Nautilus Ltd)</b> The Big Bang Theory Correlation to Field Work Reconnaissance
12.55	<b>Lunch &amp; Poster Session</b>
	<b>Session Seven: Outcrop Studies – Future Challenges, Technology &amp; Application</b> <i>Session</i> <i>Chairs: Philip Hirst and Tim Good</i>
13.55	<b>Keynote Speaker: John Howell (University of Aberdeen)</b> Novel Methods for Capturing Outcrop Analogue Data, Past, Present and Future
14.25	<b>David Hodgetts (University of Manchester)</b> Quantitative Geology from Digital Outcrop Data for the Characterisation of Hydrocarbon Reservoirs. Improving Outcrop Geostatistics to Help Reduce Uncertainty.
14.50	<b>Dominic Tatum (Heriot-Watt University)</b> Contemporary Aeolian Dunes – Ground Penetrating Radar Observations From Amongst the Wahiba Sands, Sultanate of Oman.
15.15	<b>Break &amp; Poster Session</b>
15.45	<b>Colette Couves (University of Southampton)</b> Quantification of the Petrophysical Properties of Volcanic Reservoir Analogues: from X-Ray Computed Tomography to Fracture Network Analysis.
16.10	<b>Matt Hutchison (University of Aberdeen)</b> Enhancing Lithological and Palaeoenvironmental Resolution in Dryland Successions Using Spectral Gamma Ray Data: Tying Field Observations to the Subsurface.
16.35	<b>Colm Jordan (British Geological Survey)</b> New Digital Mapping Techniques Used and Developed in BGS for Outcrop Mapping and Reducing Uncertainty.
17.00	<b>Closing Remarks &amp; Finish</b>