



The
Geological
Society

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Janet Watson Meeting 2016: The Future of Hydrocarbon Exploration


27-28 April 2016

Programme

Wednesday 27 April 2016	
08.30	Registration & tea & coffee (Main foyer and Lower Library)
09.00	Welcome.
09.10	KEYNOTE: Exploration: An exciting new opportunity Oonagh Werngren (Oil and Gas UK)
Session 1: Career Development and Industry Challenges	
09.40	KEYNOTE: Developing and Recognising technical excellence in the energy industry Gary Nichols (Nautilus)
10.10	Hydrocarbon Exploration: The Next Generation – A Royal Holloway Perspective N Scarselli (Royal Holloway)
10.30	KEYNOTE: Oil & Gas Exploration in the Arctic Al Fraser (Imperial College London)
11.00	Tea, coffee, refreshments and posters (Lower Library)
Session 2: Adapting Established Techniques to Enhance Exploration Potential	
11.20	KEYNOTE: Sequence Stratigraphy: A Critical Tool to Encourage Creativity in Exploration Mike Simmons (Halliburton)
11.50	Subsurface architecture of fluvio-deltaic deposits in high- and low- accommodation settings Jennifer Stuart (Shell)
12.10	The Numidian of Sicily Revisited: a Thrust-Influenced Turbidite System Patricia Pinter (University of Aberdeen)
12.30	Using Spectral Decomposition to better define reservoir architecture and prospectivity in the West of Shetland Kirstie Wright (DONG)
12.50	Lunch, (sponsored by DONG Energy) and Posters (Lower Library)
Session 2 continued	

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13.50	KEYNOTE: Global Trends in Exploration, the Great Australian Bight and Reaching Out to New Frontiers Andy Witt (BP)
14.20	Gravity for Hydrocarbon Exploration – A New look at an Established Tool Tim Archer (Reid Geophysics Ltd)
14.40	Structural Tools and Workflows for Hydrocarbon Exploration of Faulted Reservoirs Graham Yielding (Badley Geoscience Ltd)
15.00	Integrated Overburden Fluid and Heat Flow Characterisation Offshore Uruguay Owain Lavis (Merlin Energy)
15.20	Tea, coffee, refreshments and posters (Lower Library)
15.40	KEYNOTE: The NERC Centre for Doctoral Training (CDT) in oil and gas: A new model for academic partnership and industry engagement John Underhill (NERC CDT; Heriott-Watt University)
16.10	KEYNOTE: The Industry Perspective of the NERC Centre for Doctoral Training (CDT) in oil and gas Keith Gerdes (NERC CDT; Shell)
16.40	Panel Discussion: The Future of Hydrocarbon Exploration
18.00	Finish
18.00 – 19.30	Wine reception (Lower Library)
Thursday 28 April 2016	
8.30	Registration and tea & coffee (Main Foyer and Lower Library)
8.50	Welcome
Session 3: Building Effective Links Between Industry and Academia	
09.00	KEYNOTE: Tectonics of SE Asia and Australia – Asia collision: 30+ years of working with industry to drive forward geological knowledge Robert Hall (Royal Holloway, University of London)
09.30	Deep-water margins hold the key to the future oil-to-gas energy shift: Examples from recent industry consortia Tiago Alves (University of Cardiff)
09.50	Source rock maturity modelling offshore Namibia – a successful industry, Academia and Government collaborative project Karyna Rodriguez (Spectrum)
10.10	How convective circulation of the Earth's mantle affects hydrocarbon exploration potential at continental margins Nicky White, Cambridge University
10.30	KEYNOTE: Social Licence to Operate: the case of unconventional gas in the UK Zoe Shipton (University of Strathclyde)
11.00	Tea, coffee, refreshments and posters (Lower Library)
Session 4: The Future Exploration Toolbox: New techniques and Software Solutions	
11.20	KEYNOTE: The Future of Exploration: Challenges in Applied Geoscience Dirk Smit (Shell)
11.50	The Future of Oil Exploration Neil Hodgson (Spectrum)
12.10	Is biogas production from heavily degraded crude oil a viable option for energy recovery? Julia de Rezend (University of Newcastle)

12.30	Evaluation of shale gas resources using a high pressure water laboratory maturation method: application to the UK Bowland Shale Clement Uguna (BGS)	
12.50	Lunch, (sponsored by DONG Energy) and Posters (Lower Library)	
	Session 4 continued	
13.50	KEYNOTE: QEMSCAN: rock characterisation for the digital age Henrik Omma (Rocktype)	
14.20	The clumped isotope paleothermometer as a reservoir characterisation tool in deeply buried carbonate reservoirs John Macdonald (University of Glasgow)	
14.40	Detailed reservoir characterization using 3D CT scans, borehole imaging (BHI) and core Adrian Neal (Badley Ashton)	
15.00	Extrusive Igneous Reservoirs in Hydrocarbon Exploration Andy Racey (Andy Racey Geoscience)	
15.20	Tea, coffee, refreshments and posters (Lower Library)	
15.40	On the road to a global dynamic subsurface model: synergy between content and technology in DecisionSpace Geology Rachel Zaborski (Halliburton – Landmark)	
16.00	Belinda and Evelyn – New seismic insights for near field exploration Stacey Emmerton (Shell)	
16.20	Collaboration – a cloud on the horizon James Selvage (BG)	
16.40	Closing remarks	
17.10	Finish	