

Seventh Petroleum Geology Conference: *from Mature Basins to New Frontiers*
QEII Centre, London, 30 March – 02 April 2009

POSTER PROGRAMME PRESENTATIONS

Please note that the names listed below are the presenters. A full listing of authors is in the Abstract Book

**ALL POSTERS ARE DISPLAYED FOR ALL 3 DAYS IN THE ELIZABETH WINDSOR
 & MOUNTBATTEN LOUNGE ON THE 5th FLOOR**

DAY 1	
	North Africa & the Middle East <i>Session sponsored by BG Group</i>
SESSION CHAIRS	<i>Bryan Ritchie BP & Mike Thomas Dominion</i>
09.55 – 10.20	South Caspian Basin opening: inferences from subsidence analysis in Northern Iran <i>Marie-Francoise Brunet CNRS-UPMC</i>
10.20 – 10.45	Using heavy minerals to test the stratigraphic framework of the Kufra Basin <i>Andy Whitham CASP</i>
10.45 – 11.15	Tea and Coffee Break
11.15 – 11.40	Thermal maturity and depositional environment of bituminous shale of the Asmari reservoir caprock, Pazanan Oil Field, Dezful Embayment, Iran <i>Amir Sasan Zarvani University of Tehran</i>
11.40 – 12.05	Exploration of the Upper Shuaiba Formation (Bab Sequence) in northern Oman <i>Christophe Gonguet Shell/PDO</i>
	UNCONVENTIONAL RESOURCES <i>Session sponsored by BG Group</i>
SESSION CHAIRS	<i>Lois Atterton StatoilHydro & Mike Peacock Imperial Oil</i>
12.05 – 12.30	Inconsistency of hydrocarbon generation potential and production values in the Bakken Play of North Dakota <i>Philip Kuhn GFZ</i>
12.30 – 13.30	Lunch
14.20 – 14.45	
14.45 – 15.10	UK data and analysis for shale gas prospectivity <i>Nigel Smith BGS</i>
15.10 – 15.45	Tea and coffee break
15.45 – 16.10	Developing a North Sea tight-gas field using hydraulic fracturing <i>Josef Shaoul Pinnacle Technologies</i>
18.00	Conference Dinner, Banqueting House, Whitehall

**Seventh Petroleum Geology Conference: from Mature Basins to New Frontiers
QEII Centre, London, 30 March – 02 April 2009**

POSTER PROGRAMME PRESENTATIONS

Please note that the names listed below are the presenters. A full listing of authors is in the Abstract Book

**ALL POSTERS ARE DISPLAYED FOR ALL 3 DAYS IN THE ELIZABETH WINDSOR
& MOUNTBATTEN LOUNGE ON THE 5th FLOOR**

DAY 2

	Europe <i>Session sponsored by BG Group</i>	Passive Margins <i>Session sponsored by BG Group</i>
SESSION CHAIRS	<i>Duncan Wade Equipoise & Bryan Moseley MND Exploration</i>	<i>John Argent/Tony Doré/Scot Fraser BG Group/StatoilHydro/Cobalt International</i>
SESSION THEME	NORTH SEA PLAY ELEMENTS – RESERVOIR AND CHARGE	CRUSTAL SCALE TECTONICS: THE DEVELOPMENT OF HYPER-EXTENDED MARGINS
09.05 – 09.30	Understanding Upper Jurassic barrier island sandstone reservoirs in the Danish Central Graben using Holocene-Recent Wadden Sea analogues <i>Peter Johannessen GEUS</i>	Deep structure of the Porcupine and Goban Spur Basins, SW Ireland <i>Ian Davison Earthmoves Ltd</i>
09.30 – 09.55	Carbon isotope signals in the Campanian-Maastrichtian chalk of Denmark: implications for the stratigraphic and genetic understanding of chalk reservoirs <i>Niels Schovsbo GEUS</i>	Basement map for the NW Atlantic margin and mainland Norway reveals influence of ancient structures on the passive margin system <i>Jörg Ebbing Geological Survey Of Norway</i>
09.55 – 10.20	A holostratigraphic approach to the Chalk of the North Sea Eldfisk Field, Norway <i>Matthew Hampton Network Stratigraphic Consulting Ltd</i>	Dynamics of the outer Norwegian margin: from rift-to-drift <i>Laurent Gernigon NGU</i>
10.20 – 10.45	Role of chalk in development of deep overpressure in the Central North Sea <i>Richard Swarbrick Geopressure Technology</i>	Three-dimensional structure of the Irish margin from gravity and magnetic modelling <i>Geoffrey Kimbell BGS</i>
10.45 – 11.15	Tea and coffee break	
11.15 – 11.40	Source rock quality, maturity and distribution in the NW Danish Central Graben: implications for petroleum prospectivity evaluation in an Upper Jurassic sandstone play area <i>Henrik Petersen GEUS</i>	Properties and distribution of lower crustal bodies on the mid-Norwegian margin <i>Jörg Ebbing Geological Survey of Norway</i>
11.40 – 12.05	Scales, geometries and distribution of large-scale clastic injections in deep-water depositional systems and their impact on reservoir geometry and connectivity: a 3D seismic case study from the Palaeocene of the eastern North Viking Graben <i>Evelina Dmitrieva Imperial College London (ExxonMobil sponsored student presenter)</i>	Episodic uplift and exhumation along Atlantic passive margins: implications for hydrocarbon prospectivity <i>Peter Japsen GEUS</i>

SESSION THEME	NORTH SEA PLAY ELEMENTS – RESERVOIR AND CHARGE	EVOLUTION OF THE ATLANTIC REALM
12.05 – 12.30	Ymir Ridge – a multi phase geological structure <i>Heri Ziaka</i> <i>Jarófeingi</i>	Transfer zones: the application of new geological information from the Faroe Islands applied to the offshore exploration of intra-basalt and sub-basalt strata <i>David Ellis</i> <i>StatoilHydro</i>
12.30 – 13.30	Lunch	
SESSION CHAIRS	<i>Jim Munns</i> <i>Endeavour & Stuart Harker</i> <i>Circle Oil</i>	<i>John Argent/Tony Doré/Scot Fraser</i> <i>BG Group/StatoilHydro/Cobalt International</i>
14.20 – 14.45	Regional occurrence of large-scale sand remobilisation in the North Sea and the UK Atlantic margin: implications for hydrocarbon exploration <i>Mads Huuse</i> <i>University Of Aberdeen</i>	Compression and unconformity formation in the NE Atlantic 'passive' continental margin <i>Adrian Tuitt</i> <i>University Of Edinburgh/BGS</i> <i>(ExxonMobil sponsored student presenter)</i>
14.45 – 15.10	Geochemical variations in sandstones reflecting changes in sediment source and impact on the diagenesis and quality of a reservoir – examples from Upper Jurassic sandstones in the Danish Central Graben <i>Rikke Weibel</i> <i>GEUS</i>	Structure and evolution of the continental margin off Norway and the Barents Sea and its conjugate off Greenland <i>Jan Inge Faleide</i> <i>University of Oslo</i>
15.10 – 15.45	Tea and Coffee Break	
SESSION THEME	NORTH SEA PLAY ELEMENTS – RESERVOIR AND CHARGE	THE NORTH ATLANTIC MARGIN: INSIGHTS FROM TECTONO-STRATIGRAPHIC STUDIES
15.45 – 16.10	Sedimentology and sequence stratigraphy of the Hugin Formation, Quadrant 15, Norwegian sector, South Viking Graben <i>Rachel Kieft</i> <i>Imperial College London</i> <i>(ExxonMobil sponsored student presenter)</i>	Lava field thickness variations as an analogue for sedimentary dispersal patterns in the Faroe-Shetland Basin <i>Thomas Varming</i> <i>Faroese Earth & Energy Directorate</i>
16.10 – 16.35	Mio-Pliocene channel horizons in the Central Graben: implications for Late Cenozoic development of the North Sea Region <i>Paul Knutz</i> <i>GEUS</i>	Post-basalt deposits in the Faroese sector of the Faroe-Shetland Basin, NE Atlantic Ocean <i>Jana Olavsdottir</i> <i>Faroese Earth & Energy Directorate</i>
16.35 – 17.00		Cretaceous revisited - exploring the syn-rift play of the Faroe-Shetland Basin <i>Michael Larsen</i> <i>Dong Energy</i>
17.00 – 18.00	Beer Reception	

Seventh Petroleum Geology Conference: from Mature Basins to New Frontiers
QEII Centre, London, 30 March – 02 April 2009

POSTER PROGRAMME

Please note that the names listed below are the presenters. A full listing of authors is in the Abstract Book

**ALL POSTERS ARE DISPLAYED IN THE ELIZABETH WINDSOR
 & MOUNTBATTEN LOUNGE ON THE 5th FLOOR**

DAY 3

	Europe <i>Session sponsored by BG Group</i>	Passive Margins <i>Session sponsored by BG Group</i>	Russia, FSU & Circum Arctic <i>Session sponsored by BG Group</i>
SESSION CHAIRS	<i>Jim Henderson Fairfield Energy & Andrew Vinall Hannon Westwood</i>	<i>John Argent/Tony Doré/ Scot Fraser BG Group/StatoilHydro/ Cobalt International</i>	<i>Al Fraser, BP & James Maynard, ExxonMobil</i>
SESSION THEME	EXPLORATION INSIGHTS	THE NORTH ATLANTIC MARGIN: INSIGHTS FROM TECTONO- STRATIGRAPHIC STUDIES	
09.05 – 09.30		Insights into Palaeogene rifting in the Faroe-Shetland Basin; the Faroe Islands, NE Atlantic <i>Richard Walker University of Durham (ExxonMobil sponsored student presenter)</i>	Hydrocarbon resources on the Eurasian Shelf of the Arctic Seas <i>Alexey Kontorovich Novosibirsk University</i>
09.30 – 09.55	Carboniferous coals: inherently gas-prone Palaeozoic source rocks in the North Sea <i>Henrik Petersen GEUS</i>	The application of tectono-stratigraphic models to the sub-basalt region of the Faroe-Shetland Basin, NE Atlantic margin <i>David Moy University of Durham (ExxonMobil sponsored student presenter)</i>	Arctic Ocean spreading models and their significance for understanding Late Palaeozoic and Mesozoic sediment dispersal patterns in the Arctic <i>Robert Scott CASP</i>
09.55 – 10.20	Predicting deep pressure in mid-Norway <i>Stephen O'Connor Geopressure Technology</i>	Constraining palaeodrainage and reservoir sandstone distribution using the Pb isotopic composition of detrital K-Feldspar sand grains: examples from NW European margin basins <i>Shane Tyrell University College Dublin</i>	The geological structure and hydrocarbon potential of the Deriugin Basin (Offshore Sakhalin, Sea of Okhotsk) <i>Alice Little TGS-NOPEC</i>
10.20 – 10.45	Tilting oil/water contact in the Chalk of Tyra Field as interpreted from capillary pressure data <i>Ida Lykke Fabricius Technical University Denmark</i>	Sandstone provenance studies in East Greenland and mid-Norway provide insights into Cretaceous and Tertiary sediment transport paths in the Norway-Greenland Rift <i>Andy Whitham CASP</i>	Map showing the sedimentary successions of the Arctic Region (58-64 degrees N) that may be prospective for hydrocarbons <i>Art Grantz, USGS Robert Scott, CASP Sergey Drachev, ExxonMobil T Moore</i>
10.45 – 11.15	Tea and coffee break		

SESSION THEME	EXPLORATION INSIGHTS	HYDROCARBON EXPLORATION IN THE INDIAN SUBCONTINENT	
11.15 – 11.40	Remaining potential of a mature hydrocarbon area – integration of 3D-technology and sequence stratigraphy; Upper Jurassic, Lower Saxony Basin Bjorn Seyfang University of Tübingen (ExxonMobil sponsored student presenter)	Hydrocarbon prospectivity of Karak Anticline, NW Pakistan Amjad Khan Saif Energy Limited	Geological structure and petroleum potential of Vendian-Cambrian deposits in the Cis-Yenisei Subprovince in the East of Western Siberia Alexey Kontorovich Novosibirsk University
11.40 – 12.05	Investigating fault sealing potential through fault-relative seismic volume analysis Steve Purves Foster Finlay Associates	Hydrocarbon system of the Bhattani and Northern Sulaiman Ranges, North-West Himalayas, Pakistan Sajjad Ahmad University Of Peshawar (ExxonMobil sponsored student presenter)	Petroleum geology of the East Greenland margin Henrik Stendal Bureau of Minerals & Petroleum
12.05 – 12.30	Mixing oil and water: benefits of mapping the water column to the hydrocarbon industry and oceanography Rob Hardy Trinity College Dublin	Structural analysis of the Baran Anticlinal Trend for its hydrocarbon potential, North West Pakistan Muhammad Irfan Khan MOL Pakistan Oil & Gas (ExxonMobil sponsored student presenter)	Late Jurassic reefs of the western Caucasus and Crimea: hydrocarbon implications for the eastern Black Sea Li Guo CASP
12.30 – 13.30	Lunch		
SESSION CHAIRS	Ian Walker ConocoPhillips & Stuart Archer University of Aberdeen	John Argent/Tony Doré/ Scot Fraser BG Group/StatoilHydro/ Cobalt International	
14.20 – 14.45	New aeromagnetic map of Norway and adjacent sea areas – applications for petroleum exploration Odleive Olesen Geological Survey of Norway	Tectonostratigraphic framework and petroleum potential of Cauvery Basin, East Coast of India Yogeshwar Sharma Hardy Oil & Gas	
14.45 – 15.10	A road map to the identification and recovery of by-passed pay Paul Worthington Gaffney, Cline & Associates	Sedimentological characterization of the Upper Cretaceous Nannilam Formation, Ramnad Sub Basin, Cauvery Basin, India Syamalendu Mahanti ONGC	
15.10 – 15.45	Tea and coffee break ExxonMobil Student Awards – Benjamin Britten Lounge		
SESSION THEME	EXPLORATION INSIGHTS	TECHNOLOGIES AND CAPABILITIES IN PASSIVE MARGIN EXPLORATION PROVINCES	HYDROCARBON RESOURCE REPORTING
15.45 – 16.10	Well planning by use of forward modelling of the Oseberg Chalk Peter Britze GEUS	Solving the base basalt problem around the Faroes using 3D seismic data Malan Ellefsen Institute for Geography & Geology	The importance of global consistency in resource reporting: a SPEE perspective Graeme Simpson RPS Energy

16.10 – 16.35		<p>New ways of improving and using seismic data to help understand passive margin evolution: a series of case histories from West of Ireland</p> <p>Rob Hardy <i>Trinity College Dublin</i></p>	<p>New insights into structure and stratigraphy of the Northern Gulf of Mexico Basin</p> <p>Menno Dinkelman <i>ION Geophysical</i></p>
16.35 – 17.00		<p>Sub-basalt structure of the Faroes-Shetland Basin</p> <p>Ian Davison <i>Earthmoves Ltd</i></p>	
Close of conference			