



Monday 19th and Tuesday 20th October 2009

Atlantic Ireland 2009

A Research Conference Sponsored by PIP-ISPSPG

at

Institute of Management of Ireland (IMI) Conference Centre

Sandyford Road, Dublin 16

The objective of this third Petroleum Infrastructure Programme research conference is to inform industry and government about the results of research funded under PIP that promotes Ireland's hydrocarbon prospectivity; to provide exploration industry feedback to researchers on how their research projects fit into the long term exploration strategy of PIP; and provide networking opportunities between the exploration industry, governments and researchers.

The main focus of the conference will be on the development of hydrocarbon resources of the Atlantic Margin. As well as talks by Irish researchers and explorationists there will be presentations from international speakers and a number of workshops to promote international co-operation between the UK, Canada, Norway and Ireland in North Atlantic basin development research.

PROGRAMME

Sunday, 18 October

Registration and Poster Setup (16.30 – 18.30)

Day 1

Monday, 19 October (08.00 – 19.30)

Opening Remarks, Welcome Address & Overview of Activities

Sessions 1 & 2: Basin Structure, Development & Sedimentary Fill

Session 3: Petroleum Systems

Session 4: Data Acquisition, Processing & Modelling

Reception and Poster Session (18.00 – 19.30)

Day 2

Tuesday, 20 October (08.30 – 14.00)

Plenary Session (open to all delegates)

Working Sessions of the steering groups on **Plate Reconstruction** and North **Atlantic Petroleum Systems Assessment (NAPSA)** will be convened following the Plenary Session. Separate agenda will be sent to committee members in due course.

Note: Over 80 Posters will be displayed concurrently with the Oral Sessions, throughout the Conference.



ORAL PROGRAMME

Monday 19th October 2009

08.00 – 08.45 Registration - Coffee / Tea available in Atrium

08.45 – 09.00 Conference objectives and E&P research overview – Noel Murphy, PAD-DCENR

09.00 – 09.15 Welcome Address - Minister of State Conor Lenihan T.D.

Session 1 Session Chair Pat Shannon (UCD)

BASIN STRUCTURE, DEVELOPMENT & SEDIMENTARY FILL

Introduction by Session Chair

09.15 – 09.30 Dooish - the first discovery in Irish Rockall - **Geir Jansson & Jeanette Henssen**, Shell

09.30 – 09.45 Irish Passive Margins Modelling Project (IPmmP): 3D gravity and magnetic modelling of the Irish margin – **Geoff Kimbell**, Derek Ritchie & Sandy Henderson, BGS Keyworth and BGS Edinburgh

09.45 – 10.00 Regional basin and crustal structure – **Franz Hauser** & Brian O'Reilly, DIAS

10.00 – 10.15 Porcupine & Slyne-Erris basin structure, mapping, denudation and thermal histories – **Frédéric Biancotto**, Robert J. Hardy & Stephen M Jones, TCD*

10.15 – 10.30 A summary of BGS research in the Hatton-Rockall region: everything from metamorphic basement to modern carbonate mounds – **Ken Hitchen**, BGS Edinburgh

10.30 – 10.45 Discussion for Session 1 papers

10.45 – 11.15 COFFEE BREAK IN ATRIUM

Session 2 Session Chair John Conroy (Shell)

BASIN STRUCTURE, DEVELOPMENT & SEDIMENTARY FILL

Introduction by Session Chair

11.15 – 11.30 Jurassic and Cretaceous tectono-stratigraphy of the Porcupine region - **Cédric Bulois**, Yongtai Yang & Pat Shannon, UCD

11.30 – 11.45 An integrated study of Permo-Triassic basins along the North Atlantic passive margin - **Brian Williams**, University of Aberdeen on behalf of the UCD-Aberdeen-Manchester Permo-Triassic research team



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11.45 – 12.00 Carboniferous offshore Western Ireland – **Alastair Haddow** and Geoff Clayton, TCD

12.00 – 12.15 Igneous sills – recognition, distribution and implications for Irish exploration – **Karina Fernandes**, Stephen M. Jones & Robert J. Hardy, TCD

12.15 – 12.30 Controls on the Lower Cretaceous carbonate habitats of the South Porcupine and Goban Spur Basins, offshore Ireland - **John M. O'Sullivan**, Providence Resources, Stephen M. Jones & Robert J. Hardy, TCD*

12.30 – 12.45 Discussion for Session 2 papers

12.45 – 13.45 LUNCH BREAK - SANDWICHES SERVED IN ATRIUM

Session 3 Session Chair Steve Boldy (Lansdowne Oil & Gas)

PETROLEUM SYSTEMS

Introduction by Session Chair

13.45 – 14.00 Geology and Hydrocarbon Plays of the Rockall-Faroe Shetland-Møre Basin System – **David Mudge**, TERNAN

14.00 – 14.15 Kimmeridgian Source Rock Super-Highway in the North Atlantic - **Michael Enachescu** (MGM Energy and Memorial University), Ian Atkinson (Nalcor Energy), John Hogg (MGM Energy), David McCallum (GNL DNR) & Craig Rowe (CNLOPB)

14.15 – 14.30 Source rocks and unconventional shale gas deposits in the Wessex Basin, Mid-Cretaceous Sea Way, North Slope Alaska and the North Sea – **Joe Macquaker**, MUN

14.30 – 14.45 Mesozoic sand dispersal into NW European margin basins: insights from Pb-in-K-feldspar provenance tool - **Shane Tyrrell**, Peter Haughton, Stephen Daly, Pat Shannon, Andreas Siemes & Áine McElhinney, UCD

14.45 - 15.00 Heavy mineral provenance studies, offshore Newfoundland - **Paul Sylvester** et al, MUN

15.00 – 15.15 Nova Scotia/Moroccan Conjugate Margins – tectonic modelling – **Hamish Wilson** & Matt Luheshi, RPS Group

15.15 – 15.30 Discussion for Session 3 papers

15.30 – 16.00 TEA / COFFEE BREAK IN ATRIUM



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Session 4 Session Chair *Eugenio Antonielli (ENI)*

DATA ACQUISITION, PROCESSING & MODELLING

Introduction by Session Chair

16.00 – 16.15 The INFOMAR programme, the Griffiths Awards and other Irish marine research – **Koen Verbruggen**, GSI & Yvonne Sheils, Marine Institute

16.15 – 16.30 Ireland - UK drilling proposal and site investigation cruise – **Ken Hitchen**, BGS Edinburgh and Clare Morgan, PAD-DCENR

16.30 – 16.45 Proposed new WARRP surveys offshore both Ireland and Canada - **Brian O'Reilly**, DIAS & Kim Welford, MUN

16.45 – 17.00 Exploring the resource potential of a dormant deepwater tight gas condensate accumulation using modern seismic technology – the Spanish Point discovery, Main Porcupine Basin, Offshore Ireland - **Stefano Pugliese**, Sosina Exploration

17.00 – 17.15 An overview of the Connemara Field and the exploration upside on North Porcupine Licence FEL 1/04 – **Robert Murphy**, John Tingas & Jim Lance, Island Oil & Gas

17.15 - 17.30 Prospectivity of the Ordovician Lower St. George Group Carbonates in Western Newfoundland, Canada and Implications of Dolomitisation for Porosity Controls – **Karem Azmy** & James Conliffe, MUN

17.30 – 17.45 Prospectivity on the Erris Ridge (Licence 7/97) – High Risk/High Reward Frontier Exploration on the Irish Atlantic Margin - **Andrew Howard**, Simon Beswetherick, Gianpiero Miglio, ENI*

17.45 – 18.00 Discussion for Session 4 papers

18.00 – 19.30 RECEPTION AND POSTER SESSION IN ATRIUM

Registration:

Please register by email to: mdavies@slrconsulting.com providing your name and organisation as you would wish it to appear on the conference name tag

* This paper was first presented at SPE Offshore Europe 2009 in Aberdeen





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Tuesday 20th October 2009

08.30 – 09.00 COFFEE / TEA AVAILABLE IN ATRIUM

09.00 – 09.15 Exploration of the North-West Irish Continental Margin – a personal perspective of the past, present and future – **Ciaran Nolan**, Serica Energy

Plenary Session (open to all delegates)

Session Chair Viv Byrne (SLR)

(with Eugenio Antonielli, Steve Boldy, John Conroy, Noel Murphy & Pat Shannon)

09.15 - 09.20 Introduction to Session

09.20 - 10.45 Discussion on the forward research programme and opportunities for collaboration

10.45 – 11.00 Concluding Remarks

11.00 – 11.30 COFFEE BREAK IN ATRIUM

Please note that the poster session and possibly some informal presentations will continue to lunchtime (14.00) when the main conference will close

11.30 – 13.00 Plate Steering Group meeting (restricted to invitees only)

13.00 – 14.00 LUNCH BREAK - SANDWICHES SERVED IN ATRIUM

14.00 – 15.30 NAPSA Steering Group meeting (restricted to invitees only)

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Getting to IMI



LUAS

Balally stop, 1km from IMI. On exiting the LUAS plaza onto Sandford Road, turn left. IMI is a brisk 10-minute uphill walk, set in its own grounds on the right hand side. The entrance is on Clonard Road, joining Sandford Road at traffic lights.

Buses

44, 44B, 116, 48A (To Dundrum only)

DART

Feeder bus 114 from Blackrock Station to Sandford Industrial Estate.

By car

From the North, West and South

Using the M50 going south, take Exit 13 (Sandford/Dundrum/R113), then take the Green Route to Sandford Industrial Estate. Turn left onto Blackthorn Drive at Beacon Court.

At the next T-junction, turn right onto Sandford Road. IMI is the next turn left, 100 yards away.

From the East and South East

Travelling north on the N11, take the M50 at Loughlinstown. Take Exit 13 to Sandford Industrial Estate.

At the next T-junction, turn right onto Sandford Road. IMI is the next turn left, 100 yards away.

IMI has 3 car parks.

IMI, Sandford Road, Dublin 16

FreeFone 1800 22 33 88

T (01) 207 8400

F (01) 295 5147

E Reception@imi.ie

W www.Courses.imi.ie

Accommodation:

Please contact

Pat Considine on

+353 1 207 8448

pconsidine@premgroupp.com

To book, please contact

reservations on

+353 1 207 5900

reservations@imires.ie

Alternatively you can view IMI residence at:

www.imi.ie/res