A Word from the Chair
Richard Fox

What brought me into this industry was the innovation, technical challenges, excitement and endless possibilities to explore. PETEX is built around our need to discover and review recent technical achievements, capturing that excitement, finding new ideas and sharing the possibilities that the sheer scale and global nature of our industry provides.

I am particularly proud that during these challenging times our exhibitors, speakers and members have stepped up to ensure we will have a memorable and successful event. We have kept true to our original guiding principles. PETEX 2016 is not just a conference and exhibition, it is a community for oil and gas professionals to take time out to think, challenge, discuss, learn – and most importantly, participate.

I look forward to seeing you there.

Keynote Speakers

Luca Bertelli
Chief Exploration Officer, Eni

Jean Georges Malcor
Chief Executive Officer, CGG

Andrew Latham
VP Global Exploration Research, Wood Mackenzie

Gunther Newcombe
E&P Director, OGA

Visit www.petex.info to register your place
PESGB/SPE/EI/Geol Soc Member £190.00 / Standard Registration £310.00

PETEX Ltd. would also like to thank the PETEX committee members for volunteering their time to ensure the success of the show, and the companies who have released them to serve in this way: BP, Dana Petroleum, Ikon Science, ExxonMobil, Premier Oil, Making Waves Marketing, Schlumberger, Seabed Geosolutions, Shelf, Statoil, Woodside and Zebra Geosciences
Tuesday 15 November

10.00  
Richard Feen  
Exploration Director, Dana Petroleum  
Chair’s Welcome

10.10  
Mario Iredale  
Executive Director, PESGB  
Opening Address

10.15  
Lucas Berrett  
Exploration Officer, Eni  
An Explorer’s View: A Success Story in Troubled Times

10.45  
Jean Georges Malcor  
Chief Exploration Officer, CGG  
Adapting to the New Market

11.00  
Andrew Latham  
Global Exploration Research, Woodside  
An Analyst’s View: Winners & Losers from 2016

11.45  
Gunnar Newcombe  
E&P Director, Oil & Gas Authority  
Are There Future Upstream Opportunities in the North Sea?

12.15  
LUNCH

12.30

13.30  
Dr Brian Askari  
Director of Exploration, Ophir Energy plc  
New for 2016

13.45  
Dr Peter Aitchison  
Director of Exploration, Premier Oil  
The Role of Extrusive Igneous Rocks in Exploration

14.15  
Dr Ian Rumsby  
Director of Exploration, Woodside Energy Ltd.  
The History of the Exploration Game

14.30  
Professor Jon Creer  
Professor of Petroleum Engineering, University of Aberdeen  
New from 2016

15.15  
Professor Wen-Qing Pan  
Professor of Petroleum Engineering, University of Aberdeen  
New from 2016

15.45  
Professor Andrew Baddeley  
Professor of Geology, Imperial College London  
New from 2016

16.15  
Professor Mike Kirby  
Professor of Petroleum Engineering, University of Aberdeen  
New from 2016

16.45  
Professor Matthew Scudder  
Professor of Structural Geology, University of Aberdeen  
New from 2016

17.15  
Professor Keith Gerdes  
Professor of Geology, Imperial College London  
New from 2016

New for 2016

Exploration Game  
Licensing round simulation game each day, winner announced on the last day

Networking Reception

17.00  
Exhibition Floor

A Word from the Technical Chairs

Mike Branson & Neil Frewin

10.00  
Richard Feen  
Exploration Director, Dana Petroleum  
Chair’s Welcome

10.10  
Mario Iredale  
Executive Director, PESGB  
Opening Address

10.15  
Lucas Berrett  
Exploration Officer, Eni  
An Explorer’s View: A Success Story in Troubled Times

10.45  
Jean Georges Malcor  
Chief Exploration Officer, CGG  
Adapting to the New Market

11.00  
Andrew Latham  
Global Exploration Research, Woodside  
An Analyst’s View: Winners & Losers from 2016

11.45  
Gunnar Newcombe  
E&P Director, Oil & Gas Authority  
Are There Future Upstream Opportunities in the North Sea?

12.15  
LUNCH

12.30

13.30  
Dr Brian Askari  
Director of Exploration, Ophir Energy plc  
New for 2016

13.45  
Dr Peter Aitchison  
Director of Exploration, Premier Oil  
The Role of Extrusive Igneous Rocks in Exploration

14.15  
Dr Ian Rumsby  
Director of Exploration, Woodside Energy Ltd.  
The History of the Exploration Game

14.30  
Professor Jon Creer  
Professor of Petroleum Engineering, University of Aberdeen  
New from 2016

15.15  
Professor Wen-Qing Pan  
Professor of Petroleum Engineering, University of Aberdeen  
New from 2016

15.45  
Professor Andrew Baddeley  
Professor of Geology, Imperial College London  
New from 2016

16.15  
Professor Keith Gerdes  
Professor of Geology, Imperial College London  
New from 2016

16.45  
Professor Matthew Scudder  
Professor of Structural Geology, University of Aberdeen  
New from 2016

17.15  
Professor Mike Kirby  
Professor of Petroleum Engineering, University of Aberdeen  
New from 2016

17.45  
Professor Matthew Scudder  
Professor of Structural Geology, University of Aberdeen  
New from 2016

Networking Reception

17.00  
Exhibition Floor

New for 2016

Exploration Game  
Licensing round simulation game each day, winner announced on the last day

Networking Reception

17.00  
Exhibition Floor

New for 2016

Exploration Game  
Licensing round simulation game each day, winner announced on the last day
Exploration of the Onshore Dahomey Embayment of Benin; the integration of seismic data and insights into the hydrocarbon potential of Tertiary turbidites in the unexplored territories of the North Sea.

The structural and stratigraphic development of the Rio del Rey Basin (offshore Cameroon), highlighting high resolution airborne gravity & magnetic data into Cretaceous and Tertiary play models.

A geotectonic history of Durban and Zululand Basins—with implications on its hydrocarbon performance.


Using a West Africa depositional sequence framework to uncover pre- & post-salt reservoirs in the Lower Congo basin, Angola.

Overcoming complex imaging challenges in the Western Black Sea using ExxonMobil's Full Waveform Inversion Technology.

Overpressure detection using Shale Rock Viscosity Data.

High Resolution Diffraction Imaging of Small Scale Fractures in Shale and Carbonate.

A Role for Fluid Pressure Data in Exploration.

The Influence of Fracture Networks on Reservoir Permeability and Porosity. A Review.

The challenges of predicting fault type from seismic attributes in the Ten Mile sandstones of the Far East.
Thursday 17 November

15.30

A study of Marine LCP Tomography and its Comparison to Global LCP Tomography in the North Sea

S. Pollock et al. (Seagreen Offshore NL, N. Hutchinson)

16.15

Time versus depth in a North Sea case study of the ugly truth

E. Knight et al. (Crest Oil, J. Raffle, J. Fruehn, O. Isaac, J. Denly, R. Richardson)

15.45

Avoiding False Amplitude Anomalies by 3D Seismic Trace Detuning

A. Diaz, M. Bazargan

16.45

Cable Avoidance Workshops

All-day Workshops

15.00

Geodetic Tools for the Oil/oil Correlation and Thermal Maturity Evaluation in Light hydrocarbons for a specified timeframe

G. Ward et al. (Rocktype Ltd, S. Newman, N. Eustance)

16.15

Beyond Creaming Curves: A simple and practical method to estimate undiscovered hydrocarbons for a specified timeframe

G. Omma et al. (ERC Equipoise, S. Newman, N. Eustance)

15.30

Changing fracture configurations in a field undergoing depletion inferred from flowrate modelling

S. Davies, M. Steiger-Jarvis, N. Hutchinson

16.45

A Review of the Hydraulic Fracturing Practice of the Initial Fracture Candidates History

A. Chakhmakhchev et al. (Centrica E&P, A. Kononov, S. Brazier)

15.00

Predicting sedimentary facies from the organic input of the North Celtic Sea: a combined exploration program

M. Bazargan, D. Bilodeau, A. Chakhmakhchev, S. K. Oyama

16.15

Unconventional petroleum opportunities in world’s countries

J. Omma et al. (M. Bazargan, D. Bilodeau, A. Chakhmakhchev)

15.30

Unconventional petroleum opportunities in world’s countries

J. Omma et al. (M. Bazargan, D. Bilodeau, A. Chakhmakhchev)

16.45

A simple study on the role of organic input on the reservoirs in the North Sea oilfield

M. Bazargan, D. Bilodeau, A. Chakhmakhchev

15.00

Predicting sandflow and water movement through integration of ScanCom and DEMOCRAT data: example from the Upper Jurassic, Frobisher Trough, and Frobisher Basin, charting a new course for the development of Block 2681

J. Wilkinson et al. (J. Haskett, L. Adamson, S. Fila-Mbombolo)

16.15

Lithofacies classification of the Barnett Shale gas reservoir using neural network

S. Eckford et al. (J. Omma, A. Finelli, S. Brazier)

15.30

Creating value from reservoir data acquisition

J. Omma et al. (M. Bazargan, D. Bilodeau, A. Chakhmakhchev)

16.15

Depositional sequences from the coastal margin of the Niger Delta: Implications for the oil industry

M. Bazargan, M. Steiger-Jarvis, A. Gudmundsson, P. Meredith

15.00

Prominent features at the Neck Point in the Domain-Adriatic Foreland

S. A. Ouadfeul et al. (Rock Flow Dynamics, A. Francis, M. Steiger-Jarvis, A. Gudmundsson)

16.45

A Case study from the Barnett shale on the role of organic carbon distribution

M. Bazargan et al. (M. Bazargan, D. Bilodeau, A. Chakhmakhchev)

15.00

Origin of organic matter and potential source rock in a Neogene marine sequence: Implications for hydrocarbon exploration in the North Sea

M. Bazargan et al. (M. Bazargan, D. Bilodeau, A. Chakhmakhchev)

16.15

Well trajectory design in an unconventional reservoir: a practical approach

M. Bazargan, S. K. Oyama, N. Hutchinson

15.30

Predicting the success of hydraulic fracturing: an integrated approach to reservoir characterization

J. Omma et al. (M. Bazargan, D. Bilodeau, A. Chakhmakhchev)
Poster Showcase Wednesday 16 November

REFRESHMENT BREAK

LUNCH

REFRESHMENT BREAK

SESSION TWO

NORTH SEA/GLOBAL

19.00

Bouche Rock Potential and Model, Exploring in the Maersk Basin, Namibia

19.05

EMERGING TECHNOLOGIES

19.20

Introducing a new Aptian Play and further evidence for Albian reservoir development to the MSGBC Basin Offshore Guinea Bissau based on Broadband 3D Seismic Data

19.25

Building an analytical biofacies-lithofacies depositional model for the interpretation of subsurface fluvial and deltaic successions

19.30

Triassic of the Central North Sea: an integrated approach utilising sedimentology, palynology and heavy mineral analysis

19.35

Evaluation of the Seismic Stratigraphy of the South Mozambique Basin and the Implications for Onshore Prospectivity

19.40

Meeting current challenges in the Bath gas play: the Developmental Play Conceptual Competing Initiative

19.45

Determining Depositional History through use of Cognitive Interpretation Workflows

19.50

Denver: Walk Great Rifts  West to East- a Potential Subsalt Exploration Target

19.55

Determining Jeju Island Play: Tectonic Setting, Sedimentology and Seismic Interpretation

20.00

Integrating geophysical and core data: From 子sessing geophysical kerogen to 3D correlation and Sub-surface Fatigue

20.05

Building a holistic understanding, depositional model: A case study of Tertiary foreland basin sediments

20.10

Thermally maturing oil生成/ expulsion and vitrinite reflectance: a case study on the Norwegian continental shelf

20.15

Characterising the Balder Formation (T50) in the Faroe-Shetland Basin: wire-line and seismic interpretations

20.20

A reservoir-scale structural reappraisal of onshore Devonian analogues of the Clair Group in the Fair Isle-Shetland region

20.25

A Tectono-Stratigraphic Framework for the East African Sedimentary Basins

20.30

A reservoir potential for the interpretation of the East African rift system

20.35

Introducing an unconformity driven stratigraphic framework for the interpretation of the East African rift system

20.40

5-D seismic analysis of the Rogaland Group, Northern Norwegian North Sea; implications for hydrocarbon generation/expulsion

20.45

Seismic interpretation of the structural evolution of the offshore Newfoundland margin as an analogue for the East African rift system

20.50

The evaluation of thermal maturity using vitrinite reflectance as a criterion for hydrocarbon generation

20.55

A 3D seismic study of the off-shore East African rift system: a case study

21.00

A study of the primary and secondary migration potential in the East African rift system

21.05

A reservoir potential for the interpretation of the East African rift system

21.10

A South American margin play: from hydrocarbon play to exploration

21.15

A reservoir potential for the interpretation of the East African rift system

Future Working Zone

PETEX 2016 looks to the future for new ideas, new ways of working, smarter, faster and more efficiently. This year we are delighted to include the Future Working Zone - specifically for those working in the digital energy arena, providing solutions around people, processes and technology. The Zone will include a full technical programme and opportunities for exhibitors to take a small booth at a special price.

Technical themes will include:

♦ The Future is different - How?
♦ Integrated, Collaborative working - case studies and new ideas
♦ Changing the way we work
♦ Working smarter in a low oil price environment
♦ Traditional Data Management - how will it evolve?
♦ Standards - can we create a global community?
♦ National Data Repositories
  - National Treasure or Necessary Evil?

Area sponsored by Target Energy Solutions

Exploration Theatre

Area of commercially-orientated technical presentations.

Non – seismic session combined with sales talks and data viewing.

Consultants’ Square
Platform for independent consultants to promote their business and services

International Pavilion
Opportunities for government agencies to promote their countries’ assets
Exhibitors from countries all around the world

University Forum
Platform for universities to promote their academic research
Opportunity for strong partnerships with industry

Explore your Career

Starting your own Business
WSL
Tues 10am / Wed 10am / Thu 10am

Transferring Skills
EI
Tues 11am / Wed 2pm / Thu 12pm

Career Talk
Zinc Consultants
Tues 2pm / Wed 11am / Thu 2pm

NW Europe and International Overview
Hannon Westwood
Tues 3pm / Wed 3pm

Advantages of using an Umbrella Company for International Assignments
Capital Consulting
Thu 11am, 4pm

State of the Industry
Bernstein
Thu 3pm

New for 2016, look out for the PETEX Pub ‘The Prospector’ on the show floor!
ExCeL London is situated in the heart of vibrant East London.

5 minutes to the south, is the iconic O2, which offers 30 bars and restaurants linked to ExCeL London by England’s only urban Cable Car - The Emirates Air Line.

10 minutes to the west of ExCeL London you’ll find Canary Wharf, London’s financial district, offering 200 shops, bars and restaurants.

15 minutes to the north you will find The Olympic Park and Europe’s largest urban shopping centre, Westfield Stratford City. Westfield offers over 300 shops, as well as a 14-screen cinema, a casino and three hotels.

by Tube
The Jubilee Line is recommended as the quickest route to ExCeL London. Alight at Canning Town and change onto a Beckton-bound DLR train, for the quick 2-stop journey to Custom House for ExCeL (West).

by Air
ExCeL London recommends using London City Airport, whenever possible. The airport is located 5-minutes from ExCeL London by taxi or 10-minutes by DLR (Docklands Light Railway). The airport offers 350 flights per day, from over 40 international destinations.

by Road
When driving to ExCeL London follow signs for Royal Docks, City Airport and ExCeL. There is easy access from the M25, M11, A406 and A13. For a map of ExCeL London’s location please visit www.streetmap.co.uk and search for ExCeL London by postcode – E16 1XL. For Sat Nav purposes, we recommend using postcode E16 1DR. ExCeL London offers on-site car parking for 3,700 cars. The tariff for the Royal Victoria multi-storey car park and Undercroft parking (Orange and Purple) is £15 for up to 24 hours.

In the area...

Stay
Event Express is the recommended accommodation agent for PETEX 2016.

A variety of accommodation options are available within close proximity to ExCeL, including properties on site at ExCeL itself.

To take advantage of special rates, please contact Event Express directly:

Contact: Rebecca Holder
W: http://www.eventexpressuk.co.uk/petex/
E: reservations@eventexpressuk.com
T: 01905 732737

Eat
ExCeL has a wealth of nearby places to go. From restaurants to easy dining, coffee shops to quick bites, global food to street pop-up food, there is an option for everyone and anyone.

For further information please visit
http://excel.london/visitor/food-drink

See you there...