


A white graphic element consisting of a vertical line that tapers into a teardrop shape, positioned above the word 'EX' in the title.

PET *EX* 2018
Exhibition Catalogue

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PESGB Team

Maria Iredale
 Stephanie Best
 Rosy Chirayath
 Rebecca Dibley
 Benjamin Gardner
 Bethany Parkinson-Hunt
 Jay Patel
 Vino Peterson
 Laiqah Shah

Acknowledgements

PETEX 2018 is organised by PESGB Conferences Ltd, a wholly owned subsidiary of the Petroleum Exploration Society of Great Britain (PESGB). PESGB is a registered charity and PETEX 2018 has been organised by volunteer committees on a non-commercial, non-profit-making basis.

PESGB Conferences Ltd

No 1 Croydon, 7th Floor, 12-16 Addiscombe Road, Croydon CR0 0XT, UK
 Tel: 020 7408 2000
 Fax: 020 7408 2050
 Email: petex@pesgb.org.uk
 Web: www.petex.info

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2nd Floor, Chapel House, 18 Hatton Place, London EC1N 8RU, UK
 Tel: 020 7841 5960
 Fax: 020 7404 9044
 Email: guides@publishingevents.com
 Web: www.publishingevents.com

The PETEX 2018 exhibition catalogue is printed on paper from a sustainably managed source.



WELCOME TO PETEX

Ladies and Gentlemen, on behalf of the PESGB, the organising committees and all the staff and volunteers involved in this year's event it is with great pleasure that I welcome you to PETEX 2018.



What a difference two years can make since our last conference when we faced challenging times. There is no doubt that we are in the midst of a recovery and this year's conference theme fully reflects the 'new optimism' that is pulsing through our industry, although there is still a note of caution in the wind.

This year is gearing up to be hugely successful. Our return to Olympia is setting us up for success. Abstract submissions are at a record high providing an outstanding technical programme. The enlarged show floor space is fully sold out and we will be showcasing the very best of our industry and the people who work in it have to offer. You will see that new technologies and work practices are developing at pace and beginning to change the way our industry does business. I am genuinely hopeful about the future.

It bears repeating that PETEX is not just a conference and exhibition. It is a community of professionals that have the opportunity to take time out, to think, challenge, discuss, share, learn, and participate. A chance to meet old friends, make new contacts and become energised for an exciting, if not challenging, future ahead.

Enjoy this year's conference.



Richard Fox
 Chairman PETEX 2018

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GENERAL INFORMATION

Show Opening Hours

Tuesday 27 November
09.00-17.00 followed by the Evening Networking Reception

Wednesday 28 November
09.00-18.00 followed by the Evening Excursion

Thursday 29 November
09.00-17.00

The cloakroom will be open 30 minutes before and after the show times except on Tuesday when it will close at 19.30.

Social events

There are four planned social events:

Tuesday 27 November

Evening Networking Reception

Held on the exhibition floor, starting at 17.00.

Open to all delegates, this evening event offers a relaxed atmosphere for networking, allowing you the opportunity to meet up with old friends, make new contacts and exchange ideas.

Wednesday 28 November

Exploration Managers' Lunch

This event is by invitation only, our thanks to WesternGeco for sponsoring.

Evening Excursion

Pub crawl – 18.00 until late.

Free to all delegates but you must get your plan validated. A plan is included in your delegate bag and takes in a number of pubs around the Olympia area.

Thursday 29 November

Sundowner – featuring the Treasure Hunt

Held on the exhibition floor from 15.30-17.00.

Open to all delegates, enjoy a drink before you head off for the week. The Treasure Hunt brings prizes and a journey around the exhibition floor.

Thursday 13 December 2018

President's Evening

Carisbrooke Hall at the Victory Services Club, London, W2 2HF

- Booking form available from PESGB Stand
- Ticket price of £40 includes entrance, drinks vouchers and canapés
- Numbers are limited and we advise early booking to secure your place

Please note that this year for the first time ever we are allowing members to bring a non-member as guests – ask at the PESGB booth for more information!

DON'T MISS OUT!

Technical Sessions

Oral technical presentations will take place in the theatres on the balcony of the National Hall. Our Keynote Sessions begin at 10.00 in the Main Auditorium on Tuesday 27 November. The PETEX Forum will take place on Thursday 29 November in the Main Auditorium starting at 10.00. The full technical programme is enclosed as a loose insert in your delegate bag and available from the PESGB stand.

Places to Eat

CRUSSH, Little Orchard and Pizza Express are available during the show hours. There are various places outside of the main building where you can grab a drink or a bite to eat.

The PESGB and PETEX Ltd would like to thank the following companies for supporting PETEX 2018:

Barco
BP
CGG
Down Under GeoSolutions
Equinor
ERCE
ExxonMobil
IMC Geophysical Services Ltd
Indalo
ION
Oil & Gas Technology Centre
Oil & Gas Authority
OvationData
Rock Flow Dynamics
Shearwater
Shell UK Ltd
Summit E&P
Svenska
TGS
WesternGeco
Working Smart
Zinc Consultants

WHAT'S ON

Plenary Session

The plenary session at PETEX 2018 will feature an interactive debate on the topic: Time to be Optimistic? Exploring the Next 5 Years of Oil & Gas. Chaired by Carole Nakhle, Chief Executive Officer of Crystal Energy, the discussion should cover a broad range of topics, from Policy, Corporate strategy and finance through to the Energy mix and the future of technology.

Awards:

Once again, the PESGB and PETEX 2018 will be recognising the best technical contributions with its prestigious awards, made by a respected panel of industry judges. The presentation ceremony will take place in the Main Auditorium from 12.30pm on Thursday 29 November.

Special Sessions & Workshops

Held on Thursday 29 November from 2pm

Embracing a new Oil and Gas: Can it be Diverse, Inclusive and Profitable?

Club Room

Co-sponsored by POWERFUL WOMEN, this session is looking into the future of oil and gas, and addresses the issue raised by The Chartered Management Institute:

'Around 12.5 percent of the UK population are BAME (black, Asian and minority ethnic), yet they hold just 6 percent of top management positions. Closing this representation gap is an urgent challenge and a major opportunity, which could add £24bn to the economy annually.'

This session is a diversity and inclusion panel discussion, which will discuss positive changes and actions individuals, both employees and employers, can make in their workplaces to promote an inclusive place to work for everyone.

Directly afterwards there will be a 'Fika,' a Swedish custom of coffee, cake and socialising which will provide the opportunity for people to further discuss the topics covered in the session.

Interactive Virtual Outcrop & Mapping Workshop

Hall Two

An excellent opportunity to explore new technology provided by some of the best in the industry and to see how it might change the way you work.

Seismic Reservoir Characterization Workshop

Hall One

Featuring a variety of talks, this workshop discusses all aspects of Seismic Reservoir Characterization. Presentations, including case studies, will share recent progress and experiences from a diverse range of speakers.

First EAGE/PESGB Workshop on Machine Learning

Main Auditorium

A two day workshop, designed to share real-world examples from service companies, operators, software & hardware providers and academia, as well as the lessons learned in delivering machine learning in the oil and gas sector and how it can make a difference in daily operations and in delivering project efficiencies and increased insights. Specialists from leading companies will come together to exchange insights on the latest developments and new technologies in machine learning.

Day one is on Thursday 29 November and is open to all PETEX Delegates. It will be held in the Main Auditorium. Day two is on Friday 30 November and requires a separate registration. You can purchase a ticket at either the EAGE or PESGB stand. On Friday, entrance is through the external entrance to the Apex Suite next to Pizza Express.

Field Trips

London Building Stones Field Trip

Monday 26 November

Join Bob Leppard on this trip around St James. Numbers are limited, but the tour is very memorable!

Here's what one previous delegate had to say:

'Not only was the course extremely informative geologically but it had the added bonus of Bob's insights into the Georgian and Victorian history and the architecture of St James's, London. There were many interesting anecdotes about Lobb's, shoemakers to many famous people including George Bernard Shaw, and where the first bowler hats were made for a Mr. Cope. Berry Brothers wine merchants which was once a grocers and where people went to get weighed in the absence of personal bathroom scales circa 1698, and the building which was the Texas Embassy when Texas was a sovereign state (1836-1846). Particularly interesting was Schomberg House once resided in by Gainsborough. On the top of this building once stood the "celestial bedroom" but to find out more you need to go on the trip.'

COMMITTEES

PETEX 2018 Organising Committee

Led by Richard Fox, FEPC

Mike Branston, WesternGeco
David Cleverly, Perenco
Maria Iredale, PESGB
John Sayer, Cegal

Technical Committee

Led by Mike Branston, WesternGeco

James Churchill, Shell
Daniel Davies, BP
Sharna Dhani, Imperial College
Alyson Harding, Westwood Global Energy
Adrian Janszen, ExxonMobil
Keith Maynard, Woodside
Steve Pickering, Schlumberger NeXT
Karyna Rodriguez, Spectrum

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Paul Duller, Tribal Group
Mads Huuse, Manchester University
Jeremy Lockett, Wolf Rock Consultancy
Ann Watkins, Core Laboratories
Rhydian Williams, Ikon Science

Visitor Committee

Led by David Cleverly, Perenco

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Alice Carroll, Azimuth Group
Tracey Dancy, Making Waves
Jim Henderson, Trace Editors
Deidre O'Donnell, Working Smart
Colin Percival, Parkmead Group

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Pete Burgess, University of Liverpool
James Churchill, Shell UK Ltd
Lawrie Cowliff, Halliburton
John Howell, University of Aberdeen
Lucy Williams, Rockhopper Exploration
Kirstie Wright, Heriott Watt University



FEATURES

History of Geophysics

Covering the history of geophysics right up to present day, this area has been put together by the Geophysics Special Interest Group of PESGB to highlight and showcase the history of geophysics in the UK and UKCS, and its contribution the success of UK in the North Sea and neighbouring basins. Featuring areas dedicated to land seismic, marine seismic, seismic processing and seismic interpretation, the Geophysics SIG have collected old equipment, models, films, anecdotes and even a 26 tonne vibroseis truck.

Our thanks to CGG, IMC, Inova, Ovation Data, PGS, Schlumberger Cambridge Research, Sercel, Shearwater, Simon-Horizon Ltd, The Open University, WesternGeco and wirelessSEISMIC for supplying the items on this area.

Our thanks to Neil Anderton, Malcolm Butler, Alistair Crosby, Jerry Field, Mike Golding, Norman Hempstead, Jim Henderson, Aaron Lockwood, Stephen Pickering, Ian Roche, Jason Sutton and John Underhill for pulling this all together.

Future Working Zone

Designed to discuss and showcase innovations in the digital energy arena, this area features both exhibitors and presentations about digital technologies and the solutions around people, processes and technology. This area also provides a platform for discussing emerging digital trends and helping businesses align their operations with these new digital strategies. The area will feature talks from industry leaders including Osokey, Cegal, BGS, Schlumberger, and PPDm.

Our thanks to Target for sponsoring this area.

International Pavilion

This designated space provides representatives with a forum to increase their exposure and promote licensing rounds and/or available acreage to over 3,000 G&G professionals who attend the Conference and Exhibition. The area will feature international representatives from: national oil companies, ministries and governments, and this year we are welcoming Cuba, Egypt, Faroe Islands, Ghana, Lebanon, Morocco, Newfoundland and Labrador and Nova Scotia. The countries will also be presenting in the bubble theatre on the University Forum.

Explore your career

This area is designed to offer career advice to graduates and unemployed delegates, by advertising free tools and materials, discussing the current state of the job market and promoting current workflows around various disciplines. It will deliver this information through presentations, career clinics, a training area and discussions.

Our thanks to Working Smart and Zinc Consulting for bringing this area together.

University Forum

A space for the universities to showcase their best and brightest. Come and get a coffee whilst you're here from the seating area and view ad hoc presentations from the universities in the Bubble Theatre.



TUESDAY 27TH NOVEMBER

| MAIN AUDITORIUM KEYNOTES | |
|--|--|
| SESSION CHAIRS: R. Fox (FEPC) and M. Branston (WesternGeco) | |
| 10.00 | Chair's Welcome Richard Fox, Exploration Director, FEPC |
| 10.15 | William Zimmern, Head of Macro Economics, BP |
| 10.45 | Tony Doré, Senior Advisor to Exploration Management, Equinor Co-authored by: Harald Brændshøi, Vice President for Exploration Portfolio & Strategy, Equinor |
| 11.15 | Ed Harbour, VP, Watson & Cloud Platform Client Success, IBM |
| 11.45 | Maurice Nessim, President, WesternGeco |
| 12.15 | LUNCH |

| MAIN AUDITORIUM Strategy & Risk – Overview & Case Studies | |
|--|---|
| 13.30 | Exploration Strategy and Risk K. Myers, Westwood Global Energy |
| 14.00 | Siccar Point Energy: Building a Portfolio with Private Equity Funding – Getting the Right Balance of Risk and Reward I. Bartholomew, Siccar Point Energy |
| 14.30 | Forecasting Value in Acquisitions: What Created or Destroyed Value in Centrica Energy's Acquisition of Venture Production? G. Ward, RISC, United Kingdom; S. Barber, RISC, Australia; A. Borushek, RISC, United Kingdom |
| 15.00 | REFRESHMENT BREAK |
| Strategy & Risk – Review & Analysis | |
| 15.30 | European Exploration; Fewer, Better Wells Bode Well For Recovery A. Wilson and A. Latham, Wood Mackenzie |
| 16.00 | Prospectivity of the outer mid-Norwegian Volcanic Rifted Margin Constrained by new 3D Seismic Data and Links to the Faroe-Shetland Basin J. Millett, VBPR, Department of Geology & Petroleum Geology, University of Aberdeen; S. Planke, B. Manton, D. Zastrozhnov, B. Bellwald and D. Maharjan, Department of Geology & Petroleum Geology, University of Aberdeen; D. Jerram, DouglEARTH, CEED, University of Oslo; R. Myklebust, B. Kjølhamar, J. Halliday and A. Birch-Hawkins, TGS |
| 16.30 | Cognitive Bias – The Pick-Pocket in your Portfolio. A Look at how Cognitive Bias Destroys Value and a Review of Some of the Latest Techniques to Tackle the Problem L. Pidsley, Shapewerk |

TUESDAY 27TH NOVEMBER

| HALL ONE Enabling Technology – Moving to the Sea Floor | |
|---|---|
| 13.30 | Is the Age of Ocean Bottom Seismic Upon Us? J.H. Kommedal, Aker BP |
| 14.00 | A New Look at Source Efficiency and Quality in OBN Acquisition E. Fromyr, Magseis; J.R Robertson, Seismic Apparition |
| 14.30 | Least-squares Full Wavefield Migration for Shallow Geohazard Analysis: A North Sea OBC Case Study T. Martin, PGS, United Kingdom; S. Lu and F. Liu, PGS, USA; J. Fasterling and J. Musser, Total E&P Danmark |
| 15.00 | REFRESHMENT BREAK |
| UKCS – Strategy Review & Case Examples | |
| 15.30 | Has the UK E&P Sector Turned a Corner? G. Newcombe, Oil & Gas Authority |
| 16.00 | New insights from Heritage Data – Adding Value Through Reprocessing on the UKCS A. Cooke, M. Yanez, C. Tyagi, M. Steiger-Jarvis, J. Bailey and M. Shadrina, WesternGeco; S. Dingwall, Ithaca Energy |
| 16.30 | March of the Penguins - Using Full Broadband Seismic Imaging & Interpretation to Add Value to the Opportunity Portfolio A. Goswami, Shell UK |

| HALL TWO South Atlantic Margin Exploration | |
|---|--|
| 13.30 | South Atlantic Exploration: A Step in the Right Direction H. Doran, E. Zanella, J. Collard and V. Mistry, Westwood Global Energy |
| 14.00 | A Full Tectonostratigraphic Model for the South Atlantic from Conjugate Margin Data: Spanning the End-Member Break-Up Models K. McDermott, S. Patruno, N. Hurst and P. Bellingham, ION E&P Advisors, UK; C. McDermott, Imperial College London; B Horn, ION E&P Advisors, USA |
| 14.30 | New Ideas Applied to the 1988, A-J1 Rift, Oil Discovery, Orange Basin, West Coast, South Africa P. Burden, T. Tonsing and H. Pferdekamper, Africa Energy Corporation |
| 15.00 | REFRESHMENT BREAK |

TUESDAY 27TH NOVEMBER

| North Atlantic Margin Exploration | |
|-----------------------------------|---|
| 15.30 | From Rifting to Hyperextension: Upper Jurassic – Cretaceous Succession of the Porcupine Basin, Irish Atlantic Margin L. Whiting, P. Houghton and P. Shannon, Irish Centre for Research in Applied Geosciences |
| 16.00 | Paleocene Sandstones in the Northeast Rockall Basin Revealed Using Chemostratigraphy: Successful Testing of Geological Hypotheses and Prospect Risk Reduction C. Grove, Siccar Point Energy Limited; A. Finlay, Chemostrat Limited |
| 16.30 | The Porcupine Basin, Ireland – Insights from New 3D Seismic A. McCarthy, R. England, S. Nairne and M. Raghvani, Woodside Energy |

| GEOLOGICAL SOCIETY / PESGB PETROLEUM GEOSCIENCE COLLABORATION SHOWCASE The OGA as an Enabler of Collaborative Research | |
|--|---|
| 13.30 | Unlocking Regional Exploration in the UKCS – The Role of Collaboration, New Interpretations and Exploration Insights J. Bagguley and M. Gall, Oil & Gas Authority |
| 14.00 | Controls on the Structure, Stratigraphy and Prospectivity of the Mid North Sea High R. Brackenridge, R. Jamieson and J. Underhill, Heriot Watt University |
| 14.30 | OGA Frontier Basins Rockall Project: A New View of the UK Rockall Prospectivity L. Broadley, L.-J. Fyfe, N. Schofield, D. Jolley and J. Howell, University of Aberdeen |
| 15.00 | REFRESHMENT BREAK |
| Collaboration in Regional Exploration | |
| 15.30 | The Case for Collaboration Exploration Field Geology I. Sharp and R. Gawthorpe, University of Bergen; J. Verges, Researcher at Institut de Ciències de la Terra Jaume Almera; D. Hunt, Equinor ASA |
| 16.00 | Constructing a New Integrated Stratigraphic Framework for the Mesozoic of the Central Atlantic M. Casson, J. Redfern and L. Bulot, University of Manchester; J. Jeremiah, Golden Spike Geosolutions |
| 16.30 | Mass-Transport Complexes (MTC) and Shelf-Edge Deltas: Seismic Geomorphology and Clinoform Trajectory Analysis in the Santos Basin, Offshore Brazil M. Steventon, C. Jackson and H. Johnson, Imperial College London; D. Hodgson, University of Leeds |

WEDNESDAY 28TH NOVEMBER

| MAIN AUDITORIUM Mature Fields to Rank Exploration | |
|--|--|
| 09.30 | Unlocking MER at a Sub-Basin Level Through Industry Collaboration <i>P. Lindop</i> , 1st Subsurface; <i>C. Percival</i> , The Parkmead Group |
| 10.00 | Compiling, Integrating and Using Publicly Available Data to Maximise Exploration and Development Opportunities in a Mature Basin <i>M. Jacobs</i> , <i>C. Imrie</i> and <i>H. Kombrink</i> , Lloyd's Register |
| 10.30 | The Hydrocarbon Potential of the Jameson Land Basin, East Greenland - One of the World's Last Remaining Undrilled Frontier Basins <i>J. Jacques</i> , Greenland Gas and Oil, JMJ Petroleum; <i>M. Bilsland</i> , Greenland Gas and Oil; <i>R. Hoult</i> , JMJ Petroleum |
| 11.00 | REFRESHMENT BREAK |
| Mature Fields – Case Studies | |
| 11.30 | Buzzard: Learnings from a 21st Century Field Development <i>E. Taylor</i> , Nexen Petroleum |
| 12.00 | Extending the Beryl Field Life: Recent Exploration Success at Callater, Storr, Corona, and Garten <i>D. Helgeson</i> , <i>J. Towart</i> , <i>P. Rose</i> and <i>J. Gibson</i> , Apache North Sea |
| 12.30 | From Trash to Treasure: BP's CNS Exploration Campaign <i>R. Parr</i> and <i>E. Hulm</i> , BP |
| 13.00 | LUNCH |
| Big Data | |
| 14.00 | Artificial Intelligence, Automation and Cloud Compute Enabling Faster Turn-Arounds in the Exploration through to Production Life Cycle <i>S. Freeman</i> , <i>R. Akkurt</i> , <i>R. Bloor</i> , <i>H. Maniar</i> , <i>R. King</i> , <i>A. Goyal</i> , <i>M. Nickel</i> , <i>A. Newton</i> , <i>S. Tilley</i> , <i>K. Vadivel</i> , <i>M. Cleminson</i> , <i>A. Kaul</i> , <i>V. Aare</i> and <i>S. Smith</i> , Schlumberger |
| 14.30 | A Comparative Analysis of Convolutional vs. Deep Neural Networks <i>E. Zabih Naeini</i> , Ikon Science; <i>H. Di</i> , Georgia Institute of Technology |
| 15.00 | BIG DATA! Can Multiple Seismic Attributes and Machine Learning Lead to Better Interpretation Results? An Example from the North Sea <i>T. Gibbons</i> , Hoolock Consulting; <i>P. Mackintosh</i> , Spirit Energy; <i>R. Roden</i> , Geophysical Insights |
| 15.30 | REFRESHMENT BREAK |

WEDNESDAY 28TH NOVEMBER

| Exploration Case Studies | |
|--------------------------|---|
| 15.30 | Unveiling Near-Field Potential through Reliable Pre-Stack Broadband Attributes: An Integrated Case Study from the Tertiary Injectite Play in the North Sea Viking Graben N. Pernin, C. Reiser, T. Bird and L. Feuilleaubois, PGS |
| 16.00 | Exploring to New Depths: Evaluating Reservoir Quality for a Deep Triassic Play in the South Viking Graben Using a Rock Physics Driven Inversion T. Bailey, M. England, H. Morris and H. Dye, Azinor Catalyst Ltd |
| 16.30 | New Insights in the West of Shetlands: Using Multicomponent 3D Data to Reassess Exploration Potential O. Ward, K. Broadbent, M. Francis, O. Schenk, O. Shtukert and A. Karvelas, WesternGeco |

HALL ONE Enabling Technology – What Can We Learn From Norway?

| | |
|-------|--|
| 09.30 | Imaging the Senja Ridge: Triple Source Acquisition and 3D Broadband Processing in the Barents Sea S. Stokes, D. Manns, M. Romanenko, B. Kjølhamar and R. Myklebust, TGS |
| 10.00 | Addressing the Imaging Challenges in the Barents Sea by Shooting Over the Seismic Spread P. E. Dhelie, V. Danielsen, J. E. Lie, A. K. Evensen, Lundin Norway; V. Vinje, A. Wright, N. Salaun, R. Sablo2, A. Camerer, T. Elboth, CGG |
| 10.30 | Shallow Water Attenuation of Multiples by Inversion - Real Data Examples L. Letki, A. Kumar, DownUnder GeoSolutions |

11.00 REFRESHMENT BREAK

Enabling Technology – Full Waveform Inversion

| | |
|-------|--|
| 11.30 | Reservoir Imaging Using QFWI, Seismic Inversion & Bayesian Classification - A Black Sea Case Study A. Fogg, Monarch Geophysical Services Ltd, Arun Geoscience Ltd; O. Costriciuc, Black Sea Oil and Gas SRL; J. Moore, Formerly CGG; R. Holden, Formerly Monarch Geophysical Services Ltd |
| 12.00 | Enhanced Velocity Model Building using Constrained Full Waveform Inversion for an OBN Survey over the Golden Eagle Field in the North Sea R. Ford, N. Hutchinson and R. Sakhabutdinova, WesternGeco, UK; L. Zhang, WesternGeco, Australia; A. Wilson, Nexen Petroleum UK Ltd |
| 12.30 | Full Waveform Inversion: From Low to High Frequencies, from Imaging to Interpretation L. Letki, M. Lamont and T. Thompson, DownUnder GeoSolutions |

13.00 LUNCH

Enabling Technology – Imaging & Time Lapse

| | |
|-------|---|
| 14.00 | Reef Interpretation Through Diffraction-Enhanced Imaging in Dip-Angle Domain Y. Protkova, Wintershall Russland GmbH; K. Smirnov and E. Voronovicheva, PetroTrace LLC; V. Sablina and G. Kalinichenko, Volgodeminoil JV LLC; E. Landa and C. M. Paleari, PetroTrace Ltd |
| 14.30 | Multi Sensor Acquisition and Processing for Time-Lapse Seismic F. Buriola, P. Fallon, S. Hollingworth, G. Poole, J. Cooper and S. McDonald, CGG |

WEDNESDAY 28TH NOVEMBER

| | |
|---|---|
| 15.00 | 4D Analysis, Combining Shallow Hydrophone and Multi-Component Streamer: The Cinguvu Field Offshore Angola Example C. Reiser, PGS; B. Webb and M. Bertarini, Eni, Italy; D. Lecerf and C. Rizzetto, Eni, Angola |
| 15.30 | REFRESHMENT BREAK |
| Enabling Technology – Time Lapse | |
| 16.00 | The Effect of Deghosting on the 4D Response: Usan field, Nigeria P. Agnisola, R. O'Driscoll and P. G. Smith, ION; D. Chu, ExxonMobil; E. E. Assiak, Esso E&P; C. Ugwueze and P. Ukerun, Bulwark Services |
| 16.30 | 4D Seismic in the West of Shetlands: Laggan Gas Condensate Field Optimization Case Study C. Parry, T. Blanchard, P. Matthews and K. Budkina, Total E&P UK |
| 17.00 | A New 4D Approach to Compensate Illumination Differences of Non-Repeated Time-Lapse Acquisitions D. Lecerf, PGS |

| | |
|---|---|
| HALL TWO | |
| New Frontiers – Where Next? | |
| 09.30 | Oil Prospects in the Mozambique Channel: Where Incipient Subduction Meets Passive Margin A. Intawong, R. MacDonald, P. Hargreaves, K. Rodriguez, N. Hodgson and P. Esestime, Spectrum Geo |
| 10.00 | Successes, Challenges and Future Opportunities in the Pre-Salt Kwanza & Benguela Basins of Angola; Predicating where the Best Oil Charged Reservoirs Might be Found M. Tyrrell and Alex Vartan, PGS; D. Cunha, Sonangol |
| 10.30 | Onshore and Shallow Water Benin; The Potential of Devonian, Jurassic, Cretaceous and Tertiary Plays within this Low Cost, High Impact Frontier P. Tyrrell, PetroVannin; P. Elliott and M. Lofgran, Elephant Oil |
| 11.00 | REFRESHMENT BREAK |
| New Frontiers – Where, Why and How Next? | |
| 11.30 | The Case for Mesozoic Sand-Rich Clastic Systems Offshore Northern Morocco, with Potential for Both Shallow Marine and Deeper Water Turbidite Prospectivity D. Wallace, J. Kemper, J. Wallis, P. Ramsey and R. Fox, Chariot Oil and Gas |
| 12.00 | Gabon's 'Wild West Frontier' Promises a Golden Age of Discovery for the Deep-Offshore T. Younis, M. Clutterbuck and P. Birch, Impact Oil and Gas |
| 12.30 | Mexico's Energy Reform: First Exploration Well of the New Era Leads to the Zama Discovery A. Mannie, T. Davies and D. Griffin, Premier Oil |
| 13.00 | LUNCH |
| 14.00 | Imaging and Evaluating Complex Pre-Salt Carbonate Environments: An Eastern Mediterranean Sea Velocity Model Build Case Study M. Bell, A. Asnaashari, S. Fairhead and W. Powell, PGS |

WEDNESDAY 28TH NOVEMBER

| | |
|--------------|--|
| 14.30 | Red Sea Offshore Egypt Pre- and Post-Salt Potential: Extending Suez' Proven Petroleum System to the South and Saudi Arabia's Success to the West F. Winter, A. Checconi, E. T. Serra, N. Tranter and B. Sayers, TGS; M. AbdulGhaffar and A. Mostafa, Ganope |
| 15.00 | Identifying source rocks in frontier basins on seismic data, evidence from West Africa and implications in the Eastern Mediterranean David Eastwell, Spectrum Geo |
| 15.30 | REFRESHMENT BREAK |
| 16.00 | Integrating Seismic, FTG, and HRAM Data to De-Risk Structurally Complex Prospects: Insights from an Active Transpressional Intraplate Orogen, Gobi Altai, Mongolia S. Rippington, Astute Geoscience Ltd / University of Leicester; T. Archer, Reid Geophysics; J. Tully and B. Erdenebat, Petro Matad Ltd; A. Barnwell and S.Parker, Barnwell Parker Geoscience Ltd |
| 16.30 | Opening Up New Plays in the Austral Basin, Southern Argentina J. Bessa, Echo Energy PLC |
| 17.00 | Exploration Play Types Identified in the Cuban Offshore from New Seismic Data O. Lopez Corzo, CUPET |

**GEOLOGICAL SOCIETY / PESGB
PETROLEUM GEOSCIENCE COLLABORATION SHOWCASE
The NERC Centre for Doctoral Training in Oil and Gas**

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| 09.30 | The Natural Environment Research Council (NERC) Centre for Doctoral Training (CDT) in Oil and Gas: Vision vs Reality R. Hunter and J.R. Underhill, Centre for Exploration Geoscience, Heriot Watt University |
| 10.00 | The Use of Virtual Outcrop Models, Digital Geology and Legacy Data to Reappraise Devonian Basin Evolution in NE Scotland and Shetland: Analogues for the Offshore Clair Basin and Clair Oil Field, West of Shetland T. Utley, Durham University; R. Holdsworth, Durham University, Geospatial Research Limited; E. Dempsey, University of Hull; K. McCaffrey, Durham University, Geospatial Research Limited; R. Strachan, University of Portsmouth; A. Morton, HM Research Associates; R. Jones, Geospatial Research Limited |
| 10.30 | Structural and Stratigraphic Controls on the Breagh Gas Field, UK Southern North Sea R. J. Grant, M. G. Booth and J. R. Underhill, Centre for Exploration Geoscience, Heriot-Watt University |
| 11.00 | REFRESHMENT BREAK |
| The Role of MSc Courses in Training Our Geoscientists of the Future | |
| 11.30 | Hydrocarbon Related Masters Provision in the UK – Past-Present and Future J. Redfern, University of Manchester; D. Iacopini, Aberdeen University; G. Hampson, Imperial College; I. Watkinson, Royal Holloway; H. Lever and A. Gardiner, Heriot Watt; R. Clark and T. Torvela, Leeds University; I. Boomer, Birmingham University; R. Worden, Liverpool University |
| 12.00 | Re-defining the Stratigraphy and Depositional History of the T10-T38 Deepwater Play, Northwest Judd Basin, UK Atlantic Margin D. Colmenares, University of Aberdeen; B. Hedley, Siccar Point Energy Ltd |

WEDNESDAY 28TH NOVEMBER

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|---|--|
| 12.30 | Black sea eustatic variation through time and the impact on hydrocarbon accumulations N.Delcourt and G.Roberts, Imperial College London; L.Calle-Benavides, Total S.A. |
| 13.00 | LUNCH |
| The Role of Joint Industry Programmes in Advancing Science | |
| 14.00 | Building Research Partnerships that Deliver: Experiences from the SLOPE and LOBE Joint Industry Programmes D. Hodgson and R. Lawford-Rolfe, University of Leeds; S. Flint, University of Manchester |
| 14.30 | Re-Evaluating Fluvial Architecture of Pre-Vegetation Reservoirs Using Large Digital Outcrop Datasets From the Tumblagooda Sandstone, Western Australia, Southern Carnarvon Basin G-M. Bradley, J. Redfern and D. Hodgetts, University of Manchester |
| 15.00 | The Timing of Fracturing and Fluid-flow in Jurassic Mudrocks of the Cleveland Basin using U-Pb Calcite Geochronology – A Collaborative Project between Durham University, BGS and the NERC Isotope Geosciences Laboratory (NIGL) J. Lee and J. Imber, Durham University; N. Roberts, BGS, NERC Isotope Geosciences Laboratory; R. Haslam, BGS |
| 15.30 | REFRESHMENT BREAK |
| A Digital Future | |
| 16.00 | Starting a New Collaborative Outreach Programme Within the Downturn: Showcasing the Benefits of the STEPS Initiative for Students, Industry & Academia H. Smyth, Halliburton |
| 16.30 | Safari - What's next? J. Howell, University of Aberdeen |
| 17.00 | Accelerating North Sea Development Through Open Collaborative Exploration G. Loftus, K2V Limited; A. Scardina, VGS & Associates Pty Ltd; S. Neal, Knowledge Through Mapping; P. Burgess, University of Liverpool |



THURSDAY 29TH NOVEMBER

| MAIN AUDITORIUM PETEX FORUM | |
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| 10.00 | <p>Plenary Session</p> <p>The plenary session at PETEX 2018 will feature an interactive debate on the topic: Time to be Optimistic? Exploring the Next 5 Years of Oil & Gas. Chaired by Carole Nakhle, Chief Executive Officer of Crystal Energy, the discussion should cover a broad range of topics, from Policy, Corporate strategy and finance through to the Energy mix and the future of technology.</p> <p>The panel for the plenary session is:</p> <p>Professor John Underhill, Heriot-Watt University Irene Waage Basili, CEO, Shearwater Geoservices Phil Loader, Strategic Advisor, Secrest Capital Group Lydia Rainforth, CFA, Managing Director, European Energy Equity Research, Barclays Malcolm Brown, President, Geological Society of London Valery Chow, Senior Energy Advisor within the Shell Scenarios Team</p> |
| 12.30 | Followed by a special awards ceremony for Best Presentation and Best Poster at PETEX, join us to celebrate the best presentations at the 26th anniversary of PETEX |
| 13:00 | LUNCH |
| First EAGE/PESGB Workshop On Machine Learning: European Edition | |
| <p>This workshop is designed to share real-world examples from service companies, operators, software & hardware providers and academia, as well as the lessons learned in delivering machine learning in the oil and gas sector and how it can make a difference in daily operations and in delivering project efficiencies and increased insights. Specialists from leading companies will come together to exchange insights on the latest developments and new technologies in machine learning.</p> <p>Open to all PETEX attendees.</p> | |
| 13.15 | Welcome, HSE & Opening |
| 13:30 | <p>Keynote Speaker 1: Artificial Intelligence in E&P – Perspectives on an upcoming exciting journey!</p> <p>Y. LeStunff, Total</p> |
| 14:00 | <p>Keynote Speaker 2: Achieving Success in AI Adoption - What can we learn from other industries?</p> <p>M. Roberts, Tessela</p> |
| 14:30 | <p>Keynote Speaker 3</p> <p>S. Freeman, Schlumberger</p> |
| 15:00 | REFRESHMENT BREAK |
| 15:30 | <p>Keynote Speaker 4: Geocomputing Skills for Digital Geoscientists</p> <p>M. Hall, Agile; J. Bagguley, Oil & Gas Authority</p> |
| 16:00 | <p>Keynote Speaker 5: Moore's Law in Geo Machine Learning</p> <p>E. Larsen, Earth Science Analytics</p> |
| 16:30 | Panel Discussion |

THURSDAY 29TH NOVEMBER

| HALL ONE Seismic Reservoir Characterisation Workshop | |
|---|---|
| 14:00 | Seismic Information and the Limits of Inversion <i>P. Connolly</i> , PCA Ltd |
| 14:30 | Monte Carlo Modelling of Fault Seal and Retention: Implications for Exploration Trap Analysis <i>N. Grant</i> , ConocoPhillips UK Ltd |
| 15:00 | North Sea Examples of Kirchhoff Least Squares Migration for Quantitative Interpretation <i>C. Leone</i> , <i>K. Ramani</i> , <i>M. Shadrina</i> , <i>M. Cavalca</i> and <i>R. Fletcher</i> , WesternGeco |
| 15:30 | Improving Geologic Interpretation and Reservoir Characterization by Integrating Forward Stratigraphic Modelling in the G&G Workflow <i>S. Courtade</i> , Schlumberger |
| 16:00 | The impact and Importance of VTI Anisotropy in Subsurface Workflows and Inversion for Seismic Reservoir Characterisation <i>K. Waters</i> , Ikon Science Ltd |

| HALL TWO Virtual Outcrop Workshop | |
|--------------------------------------|--|
| 14:00 | Training Virtual Outcrop Workshop <i>Simon Baker</i> , RPS |
| 14:30 | Q&A |
| 14:40 | From Seismic to Pore-scale: A multiscale virtual fieldtrip to the Book Cliffs of Eastern Utah <i>John Howell</i> , Aberdeen University |
| 15:10 | Q&A |
| 15:20 | Zechstein carbonates, Carboniferous of Northumberland basin, fractured chalk, fractured basement, fault zone architectures <i>Durham University / Geospatial Research Ltd</i> |
| 15:50 | Q&A |
| Interactive Mapping Workshop | |
| 16:00 | UKCS Regional Mapping project <i>Henk Kombrink</i> , Lloyds Register |
| 16:30 | Q&A / Close |

THURSDAY 29TH NOVEMBER

CLUB ROOM

Embracing A New Oil And Gas: Can It Be Diverse, Inclusive, Profitable?

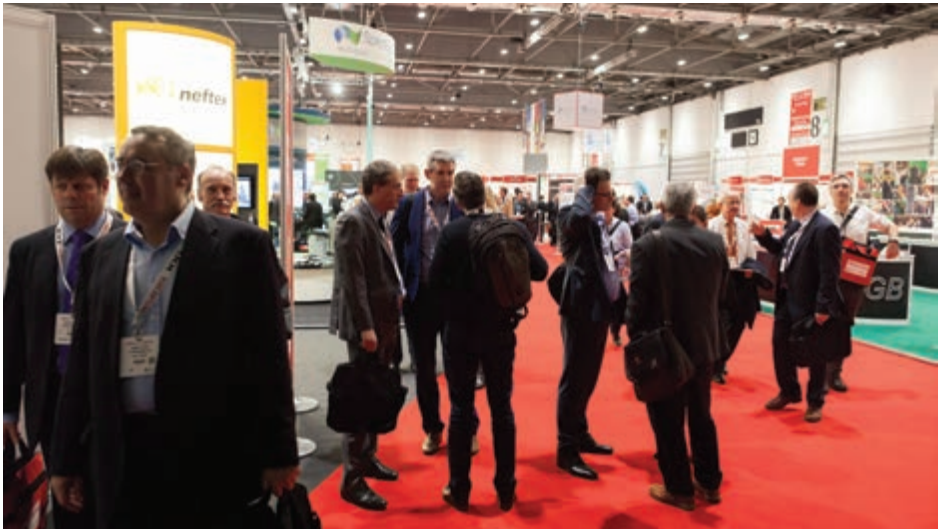
This session is a diversity and inclusion panel discussion which will discuss positive changes and actions individuals, both employees and employers can make in their workplaces to promote an inclusive place to work for everyone.

- Dr. Sarah Peers, INWES
- Jay Surti, WES
- Bani Norouzian, StrivE Excellence
- Nicola Adams, BP
- Joshua Atkins, PRIDE Energy
- Simon Fanshawe, POWERful Women and Diversity by Design

Directly afterwards there will be a 'Fika,' a Swedish custom of coffee, cake and socialising which will provide the opportunity for people to further discuss the topics covered in the session.

FRIDAY 30TH NOVEMBER

Day 2 of the first EAGE/PESGB workshop on Machine Learning: European Edition (additional costs apply).



FUTURE WORKING ZONE – DAY ONE

| The Effect of Big Data on the Petroleum Industry | |
|--|---|
| 14:00 | Session Introduction Talk Matthias Hartung, Target Energy Solutions |
| 14:30 | How to Prepare for Big Data and Data Analytics Trudy Curtis, PPDM |
| 15:00 | Big Data or Big Hype –How Petroleum Engineering may become more datadriven M. Hartung, Target Energy Solutions |
| 14:30 | Filling seismic data lakes – a practitioner’s perspective Charles Jones, Osokey |
| Advanced Seismic Technologies | |
| 15:30 | Bringing Rocks to Life: Inspiring the next generation of Earth Scientists M. Goodwin (speaker) and L. Hamlet (co-author), North West Highlands Geopark |
| 16:00 | Migration algorithms and their impact on amplitudes for inversion Jagat Deo, Seismic Image Processing |
| 16:30 | Improving the ROI of your Data Lake D. Camden, Flare Solutions |
| Innovation Partner in Oil & Gas | |
| 17:00 | Gillian White, OGTC |

FUTURE WORKING ZONE – DAY TWO

| New Integrated Collaborative Working | |
|--------------------------------------|---|
| 9:45 | Session Introduction Talk |
| 10:00 | Using open data and collaboration to transform the industry Simon Lunn, Mapstand |
| 10:30 | The UK Geoenergy Observatories Andrew Kingdon, BGS |
| 11:00 | Refreshment Break |

FUTURE WORKING ZONE – DAY TWO

| The Rise of Machine Learning | |
|--|---|
| 11:30 | Automatic indexing of subsurface documents using machine learning: A case study on seismic acquisition reports Henri Blondelle, Agile Data Decisions |
| 12:00 | Development and Application of a Cognitive Model for the Determination of Facies from Core Photographs Dave Hume, Core Labs |
| 12:30 | Prospect Chancing with the New Artificial Intelligence: Is it for Real? Charles Stabell, Decision Resources & Designs |
| 13:00 | Refreshment Break |
| Cloud Based Technologies and Services | |
| 13:45 | Cloud Computing for Subsurface Workflows: the inherent advantages of flexibility and scalability John Sayer, Cegal |
| 14:15 | Connecting cloud technology with seismic challenges: A next step in geoscience workflow efficiency Joseph Nicholson, Osokey |
| 14:45 | Refreshment Break |
| Novel Technologies for the Oil & Gas Industry | |
| 15:15 | Session Introduction Talk Jamie Cruise, Target Energy Solution |
| 15:30 | Breaking Down Data Silos with Open Standards and Hybrid-Cloud Jamie Cruise, Target Energy Solution |
| 16:00 | Entirely Novel Seismic Processing Technology – Rex Virtual Drilling – Utilising Resonance In Seismic Data To Indicate For Presence Of Liquid Hydrocarbons Kristofer Skantze, Rex International Holding Ltd |
| 16:30 | Using virtual outcrop analogues to give insight and training throughout the life cycle of a field: Examples of natural fracture characterisation in conventional and unconventional fractured reservoirs Susie Daniels, University of Durham |
| 17:00 | Results from the UK's first geoscience hackathons Matt Hall, Agile |

FUTURE WORKING ZONE – DAY THREE

| The Future - Digital Transformation | |
|-------------------------------------|--|
| 13:45 | Reservoir Modelling Workflows are Evolving with Digital Transformation, Requiring Data Exchange Standards to Deliver Effective Collaboration and Trusted Results Dave Wallis, Energistics |
| 14:15 | Stephen Ashley, OGTC |
| 14:45 | Broadband imaging of multimeasurement seismic data for prospect identification through interpretation and AVO analysis Arindam Kanrar, Schlumberger |
| 15:15 | Refreshment Break |
| Advanced Seismic Technologies | |
| 16:00 | From Unstructured to Structured: A data analytics approach to tabulated data and contextual information extraction Christopher Frost, DataCo |
| 16:00 | From Geostatistics to Virtual Reality: How 3D digital outcrop data can improve your subsurface reservoir models D.Hodgetts, VRGS / University of Manchester IP |



POSTER SHOWCASE – TUESDAY

| NEW FRONTIERS | |
|-------------------------------|--|
| 13.30 | Cretaceous Reservoir & Seal Rocks in Namibian Offshore Basins: How Do They Compare With South African, Angolan and Brazilian Basins? A. McAfee and M. Baron, Core Laboratories |
| 13.45 | The Dynamic Processes of a Transform Margin - A Case Study: The Structural Evolution of the Diaz Marginal Ridge and Formation of the Southern Outeniqua Basin, South Africa J. Khan and D. Paton, Basin Research Group |
| 14.00 | Observed Link Between Folded Seaward Dipping Reflectors (Sdrs) and Large-Scale Morphology and Architecture of the Early Cretaceous Carbonate Build-Up and Platform in the Orange Basin A. Intawong, P. Esestime, K. Rodriguez and N. Hodgson, Spectrum Geo |
| 14.15 | Seismic Insights into the Exploration Potential of Offshore Argentina H. Kearns, K. Rodriguez and S. DeVito, Spectrum Geo |
| 14.30 | Prospectivity of Cuba Offshore Illuminated from the Newly Acquired Seismic Data K. Shi, BGP Offshore |
| 14.45 | Assessing Hpht Sandstone Reservoir Quality: Identifying the Reality D. Charlaftis, S. Jones, P. Dyer and P. Cubillas, Durham University; S. Acikalin, Newcastle University; M. Osborne, BP |
| REFRESHMENT BREAK | |
| BIG DATA AND FUTURE RESOURCES | |
| 15.15 | Big Data, Analytics, Automation, Visualisation & Machine Learning for Exploration: Cutting Through the Hype And Jargon – What are They, Where Can They Be Effectively Used, How and Where to Start, What Are The Successes, And How to Get Success. Some Research Into Initial Results, and An Industry Framework P. Floyd, Wipro |
| 15.30 | How to Prepare for Big Data and Data Analytics T. Curtis, Professional Petroleum Data Management Association |
| 15.45 | Automatic Indexing of Subsurface Documents Using Machine Learning: a Case Study on Seismic Acquisition Reports H. Blondelle and J. Micaelli, AgileDD |
| 16.00 | Seismic Interpretation Using Bayesian Deep Learning L. Mosser, M. Steventon and R. Oliveira, Department of Earth Science and Engineering, Imperial College London |
| 16.15 | Filling Seismic Data Lakes - A Practitioner's Perspective C. Jones and J. Selvage, Osokey Ltd |
| 16.30 | Integrated Sedimentology, Palynology and Geochemistry of the UK Mississippian Bowland Shale Formation: An End-Member Source Rock? J. Emmings, British Geological Survey/University of Leicester; S. Davies, University of Leicester; C. Vane and M. Stephenson, British Geological Survey; M. Leng, British Geological Survey/University of Nottingham; S. Poulton, University of Leeds |

POSTER SHOWCASE – TUESDAY

| MATURE FIELDS AND BASINS | |
|--------------------------|--|
| 13.30 | Unveiling Offshore Ras Al Khaimah - New Exploration In A Mature Basin J. Wallace, Polarcus |
| 13.45 | A Fresh Look At Mature Fields Using A Collaborative Fast Track Approach For Redevelopment S. McFadyen, N. Wands and R. Saxena, Halliburton |
| 14.00 | Recent Exploration Activities In The Mature Petroleum Provinces – The Carpathian-Pannonian Transect From Southern Poland To Hungary Revisited P. Gawenda, IHS Markit Ltd |
| 14.15 | High Resolution Processing Of Multivintage Data In The Moray Firth E. Henden, K. Wright, G. Hulks, S. Drewell, A. Salem, S. Baldock, N. Ratnett, S. Jansen and J. Mao, TGS |
| 14.30 | Seismic Forward Modelling For Seal Bypass Structures Based On Novel PSDM Method Z. Cui, D. Iacopini and I. Lecomte, University of Aberdeen |
| 14.45 | Quantitative Interpretation Of Chalk Reservoirs For Lithology And Fluids Prediction - Integrating Regional Rock Physics And Multicomponent Broadband Seismic Analysis C. Reiser, N. Pernin, T. Bird and L. Goswami, PGS |
| REFRESHMENT BREAK | |
| 15.15 | Geomechanical Solution Integrating Advanced Acoustic Measurements And Formation Evaluation In Unconventional Reservoirs A. Reyes, V. Lujan, C. Chatterjee, C. Majumdar, K. Prasad and A. Oo, Schlumberger |
| 15.30 | Low Frequency Seismic Technology: The Next Step In Offshore Oil And Gas Exploration, Extending Field Life And Maximising Recovery I. Starostin, Tensor Geo Limited; E. Birialtsev, ZAO Gradient |
| 15.45 | Exploration Using CSEM In The North Sea P. Gabrielsen, E. Nerland and S. Fanavoll, EMGS |
| 16.00 | Entirely Novel Seismic Processing Technology – Rex Virtual Drilling – Utilizing Resonance In Seismic Data To Indicate For Presence Of Liquid Hydrocarbons K. Skantze, Rex International Holding Ltd |
| 16.15 | Shows Evaluation And Barrier Identification Using Advanced Mud Gas Analysis T. Rognmo, Geoprovider AS |
| 16.30 | Pore Pressure Evolution and Distribution Across A Tectonostratigraphically Complex Basin, Taranaki Basin, New Zealand S. O'Neill and S. Jones, Department of Earth Sciences, Durham University; P. Kamp, University Waikato, School of Science; R. Swarbrick, Department of Earth Sciences, Durham University/Swarbrick GeoPressure Consultancy Ltd; R. Crookbain, Shell Taranaki |

POSTER SHOWCASE – TUESDAY

| ENABLING TECHNOLOGY AND WORKFLOW | |
|----------------------------------|---|
| 13.30 | The Coherence Function As A Quality Control For Multiple Modelling M. Bekara and C. Davison, Petroleum Geo-Services |
| 13.45 | Calculated Radioactive Heat Production From Basement & Sediments: Implications For Basin & Petroleum System Modelling A. Finlay and P. O'Neill, Chemostrat Ltd; A. Carr, Global Exploration Services Ltd; B. Hedley and L. Holt, Siccar Point Energy Ltd; D. Gardner, IGI Ltd; J. Darling, Portsmouth University |
| 14.00 | A Fracture Upscaling Method For Modelling Recovery From Hydraulically Fractured Tight Formations J. Sherratt and A. Sharifi Haddad, University of Aberdeen |
| 14.15 | Reservoir Modelling Workflows Are Evolving With Digital Transformation, Requiring Data Exchange Standards To Deliver Effective Collaboration And Trusted Results R. Philo, P. Neri and D. Wallis, Energetics Inc |
| 14.30 | A Holistic Approach To Model-Building In And Around Injectites: A Case-Study Offshore Norway V. Valler, N. Payne, T. Hallett and M. Kobylarski, ION; G. Venkatraman and J. Rappke, Engie E&P Norge; D. Fairclough, Monarch Geophysical Services |
| 14.45 | The Use Of Full Tensor Gravity Gradiometry To Build A Basin Model And Quantify Petroleum Potential; A Case Study From North Africa P. Versnel, J. Watson and S. Goodman, AustinBridgeporth; J. Argent, J. Canning, T. Marples and D. Tripone, Sound Energy; T. Archer, Reid Geophysics |
| REFRESHMENT BREAK | |
| 15.15 | A New Approach For Taper Design In A 3D FK Filter M. Bekara and L. Duan, Petroleum Geo-Services |
| 15.30 | Structurally Conformable 2D To 3D Interpolated Volumes: An Aid To Interpretation S. O'Keefe, N. Ratnett, S. Baldock, N. Woodburn, W. Bradbury, M. Guo, B. Kjolhamar, S. Jansen and H. Bondeson, TGS |
| 15.45 | A Comparison Between Airborne Gravity And Gravity Gradiometry; Showcasing Recent Improvements From An East Greenland Exploration Project J. Watson, S. Goodman and G. Barnes, AustinBridgeporth; J. Jacques, Greenland Gas & Oil |
| 16.00 | True Multiple Adaptive Subtraction Y. Liu, Petroleum Geo-Services |
| 16.15 | Wavelet-Compressed Gaussian Beam Migration L. Casasanta, Shearwater Geoservices |
| 16.30 | Improved Identification Of Genuine Dhis And Suppression Of False Anomalies Usinginteractive Amplitude-Thickness Crossplots And Seismic Trace Detuning A. Francis and S. Eckford, Earthworks Reservoir |

POSTER SHOWCASE – WEDNESDAY

| COLLABORATION SHOWCASE | |
|------------------------|--|
| 09.30 | Resolving Subsurface Geochemical Baseline Conditions For The Isotopic Monitoring Of CO ₂ Injected For Geological Storage At The Carbon Management Canada Field Research Station, Alberta R. Utley and S. Gillfillan, School of GeoSciences, The University of Edinburgh; N. Utting, CanmetENERGY, Natural Resources Canada; G. Johnson and S. Haszeldine, School of GeoSciences, The University of Edinburgh/Scottish Carbon Capture and Storage; F. Stuart, Scottish Universities Environmental Research Centre; D. Lawton, Containment and Monitoring Institute, Carbon Management Canada Research Institutes Inc./The University of Calgary |
| 09.45 | Distribution and Co ₂ Storage Potential of Miocene Sand Deposits in the Northern North Sea Above 60°N C. Lloyd and M. Huuse, The University of Manchester |
| 10.00 | Source-To-Sink Analysis of Reservoir Distribution: Eocene Dornoch-Hermod Sediment Routing System, Northern North Sea C. Brewer, G. Hampson, A. Whittaker and G. Roberts, Imperial College London |
| 10.15 | A Case Study of the Effects of Zircon Fertility Bias in Sedimentary Provenance Studies from the Barents Shelf M. Flowerdew and E. Fleming, CASP; A. Morton, CASP, HM Research Associates; D. Frei, University of the Western Cape |
| 10.30 | Nucleation, Growth and Linkage of Extensional Detached Faults in Thin-Skinned Half Grabens L. Perez Diaz and J. Adam, Royal Holloway University of London |
| 10.45 | Influence Of Igneous Intrusions On Porous Sedimentary Host Rocks M. Duffy and D. Muirhead, University of Aberdeen |
| REFRESHMENT BREAK | |
| 11.30 | Thermal History Of Source Facies In The Orphan Basin, Newfoundland, Canada C. Knowles, University of Manchester |
| 11.45 | Facies Modelling And Petrophysical Evaluation Of The Norwegian North Sea E. Kaine, University of Derby |
| 12.00 | Linking Diagenesis And Petroleum System Evolution: A Case Study From Continental Carbonates In The Namibe Basin (Angola) E. Fiordalisi, S. Schröder, G. do Couto Ramos Pereira and N. Rochelle-Bates, University of Manchester; I. Sharp, Equinor; R. Dixon, BP Exploration |
| 12.15 | Tectonic Evolution Of The Durban-Zululand Basin; Implications For Exploration In A Poorly Understood Frontier Margin A. Coventry, D. Paton, E. Mortimer and M. Gouiza, University of Leeds; K. Rodriguez, Spectrum Geo; M. Bhattacharya and G. Duval, CGG |
| 12.30 | Implementing Field And Laboratory Data From Carbonate-Hosted Fault Zones Into T7 Fault Seal Analysis Workflows: A Case Study From Gozo A. Cooke and Q. Fisher, University of Leeds; G. Yielding and E. Michie, Badley Geoscience |
| 12.45 | Constraining The Distribution Of Baffle Heterogeneities In Fluvial Sand Sheets For Improved Recovery Models: Example From The Castlegate Sandstone, Utah, USA A. Mitten, S. Clarke and Jamie Pringle, Keele University; J. Mullins and J. Howell, University of Aberdeen, |

POSTER SHOWCASE – WEDNESDAY

| REFRESHMENT BREAK | |
|-------------------|---|
| 14.00 | Onshore UK Detection Of Subsurface Geology To Metre Scale Resolution And Km Scale Depth, Without Drilling Or Seismic G. Stove, Adrok; D. Waters, Paetoro Consulting UK |
| 14.15 | Sedimentology Of The Lower Carboniferous Breagh Gas Field (Southern North Sea) And Age-Equivalent Onshore Outcrops (Northumberland, UK) M. Booth, J. Underhill and A. Gardiner, Heriot-Watt University; D. McLean, MB Stratigraphy |
| 14.30 | MagPI – A New Tool For The Determination Of Permeability In Clastic Reservoirs K. Khera, Weatherford UK Ltd; N. Schandorf, ENI; I. Billing, University of Derby; A. Tugwell and D. Butler, Advanced Downhole Petrophysics Ltd |
| 14.45 | Quantitative Prediction Of Sandbody Connectivity Within Distributive Fluvial Systems Through Numerical Modelling S. Worms, J. Howell and A. Hartley, University of Aberdeen; A. Owen, University of Glasgow; C. Griffiths, Curtin University |
| 15.00 | The Optimal Lateral Length And Well Pad Size For Maximising Recoverable Reserves Of Shale Gas In Northern England S. Clancy, F. Worrall and J. Gluyas, University of Durham; R. Davies, Newcastle University |
| 15.15 | Vardyquake: Measurement Of Anthropogenic Seismic Signals Produced At The King Power Stadium During Live Football Matches R. Attah, University of Leicester |
| REFRESHMENT BREAK | |
| 16.00 | 50 Years Of Production History - Key Learnings From The Collation, Characterisation & Analysis Of UK, Norwegian & Danish Oilfield Properties M. Cooper, B. Duncan, M. Belshaw and A. Rooksby, 1st Subsurface |
| 16.15 | NAWAB – A New Appraisal Of The Western Approaches Basins: Mesozoic Epeirogeny Modulated By Crustal Inheritance, And Its Implications For Hydrocarbon Prospectivity, Offshore SW Britain J. Imber, S. Stricker, S. Jones, K. McCaffrey, R. Holdsworth, J. Lee, A. Ottaviani, A. Davies, S. Kirkman, A. Aplin and J. Gluyas, Durham University; S. Clarke and S. Egan, Keele University; R. England, S. Davies and R. Walker, University of Leicester; S. Smith, Akeman Exploration Ltd; J. Henderson, Trace Editors Ltd; J. Moore, Applied Petroleum Technology (UK) Ltd; S. Daniels and J. Long, Geospatial Research Ltd |
| 16.30 | Collaboration Between Global Service Companies And Operators To Optimize Development Strategies And Share Associated Risk N. Wands, R. Saxena and S. McFadyen, Halliburton |
| 16.45 | Exploration Acreage Reload – Assessing the Opportunities A. Sheppard, K. Beadle and A. Hughes, Wood Mackenzie |
| 17.00 | Exploration Automatic Facies Classification Using Support-Vector-Machine And Deep-Neural-Networks Y. Nishitsuji, Petro Summit E&P Corporation/TU Delft; R. Exley, Summit Exploration and Production Limited |
| 17.15 | A Review of Thin Bedded Pay including Determination and Produceability within the Elon field, Equatorial Guinea B. Panting, Dr N. Scarcelli and Dr D. Chiarella, Royal Holloway, University of London; M. Drake, Trident Energy |

POSTER SHOWCASE – WEDNESDAY

| MATURE FIELDS AND BASINS/BIG DATA | |
|-----------------------------------|---|
| 09.30 | <p>Diagenetic Evolution And Reservoir Characterization of Jurassic Carbonates, Agadir-Essaouira Basin, Morocco</p> <p>N. Al-Sinawi, A. Duval-Arnould, C. Hollis, J. Redfern and S. Schröder, University of Manchester; G. Bertotti, TU Delft, Netherlands</p> |
| 09.45 | <p>Petroleum Systems Of The Atshan-Gargaf Arch: Linking Surface And Subsurface Geology To Constrain Hydrocarbon Entrapment And Retention Histories</p> <p>D. Boote, DavidBoote Consulting Ltd; F. v. Hoeflaken, Hoeflaken Geoconsultants; A. Dardour, Libyan Petroleum Institute; G. Williams, Lynx Information Systems</p> |
| 10.00 | <p>Statistical Characterisation Of Fluvial Sand Bodies: An Example From The Permo-Triassic Central Iberian Basin, Spain</p> <p>M. Franzel, S. Jones, K. McCaffrey, I. Jermyn and M. Allen, Durham University; N. Meadows, Redrock International Limited</p> |
| 10.15 | <p>Efficient Depth Imaging Of 2D Grids Realizes The Value Of Heritage Seismic Data For Hydrocarbon Exploration In Ultra-Deep Kwanza Basin, Angola</p> <p>M. Yanez, M. Sanchez, S. Tewari and L. Martinez, Schlumberger</p> |
| 10.30 | <p>Stratigraphic Control On Oil Fields Performance In Clastic Reservoirs Of The Norwegian Continental Shelf</p> <p>K. Aliyuda, University of Aberdeen, Gombe State University; J. Howell and A. Hartley, University of Aberdeen</p> |
| REFRESHMENT BREAK | |
| NEW FRONTIERS | |
| 11.30 | <p>Where Is The Fresh Water Coming From? Can That Lead To A New Play Concept? Where Is The Fresh Water Coming From? Can That Lead To A New Play Concept?</p> <p>C. F. Gyllenhammar, CaMa GeoScience</p> |
| 11.45 | <p>Triassic Depositional Style, Provenance and the impact on Reservoir Distribution</p> <p>J. Lovell-Kennedy and J. Redfern, University of Manchester</p> |
| 12.00 | <p>Transferring Plays And Prospects Across The Atlantic Conjugate Margins Using High Resolution Plate Tectonic Reconstructions</p> <p>J. Teasdale and T. Debacker, Geognostics International Limited</p> |
| 12.15 | <p>New Insights Offshore North West Africa Atlantic Margin From The Interpretation Of 2012 And Deblended 2017 Seismic Data</p> <p>R. Masotti, F. Winter, R. Cooke, V. Tyagi and B. Sayers, TGS</p> |
| 12.30 | <p>Compelling Evidence For Oil Offshore Angoche, Mozambique</p> <p>N. Hodgson, SpectrumGEO/AAPG; R. MacDonald, P. Hargreaves and K. Rodriguez, SpectrumGEO</p> |
| 12.45 | <p>The Hydrocarbon Potential of the Jameson Land Basin, East Greenland - An Exciting Undrilled Atlantic Margin Province</p> <p>J. Jacques, Greenland Gas and Oil/JMJ Petroleum; M. Bilsland, Greenland Gas and Oil; R. Hoult, MJM Petroleum</p> |

POSTER SHOWCASE – WEDNESDAY

| REFRESHMENT BREAK | |
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| STRATEGY AND RISK/NEW FRONTIERS | |
| 14.00 | Optimisation Across The Value Chain By Standardised Economic And Financial Approach Based On Complex Fiscal Regimes <i>M. A. Qaisrani and S. Shahid</i> , Schlumberger; <i>S. Bhatti, F. Yusuf and M. A. Hasan</i> , Pakistan Petroleum Limited |
| 14.15 | Drilling And Completions Hazard Mitigation Using High-Resolution Lwd Acoustic Borehole Images <i>S. Morris, P. Basu, M. Bizeray, D. Boesing, S. Wessling and Y. Zheng</i> , Baker Hughes |
| 14.30 | Geomechanics Stress Path Changes Induced Seismic Anisotropy: Misfit In Time-Lapse 4D Seismic Measurements <i>H. Saleh and Q. Fisher</i> , University of Leeds |
| 14.45 | Hydrocarbon System Elements And Regional Tectonostratigraphic Models In The External Dinarides And Hellenides <i>M. Palotai, B. Toro, S. Vincent and B. Vautravers</i> , CASP |
| 15.00 | Why Is Everyone Excited About The Sao Tome And Principe Eez; The 4 Key Reasons Why This Has Been One Of The Hottest Areas For Exploration In 2017 <i>M. Tyrrell, J. May and E. Mueller</i> , PGS; <i>O. D'Abreu</i> , ANP-STP |
| 15.15 | Seismic Images Of The Opal A/Ct Transition As A Geo-Thermometer: Post-Rift Geotherm In Rockall Trough Strongly Modified By Pore-Fluid Convection Above Igneous Sills. <i>M. Hoggett and S. M. Jones</i> , University of Birmingham |
| REFRESHMENT BREAK | |
| RECENT DISCOVERIES | |
| 16.00 | Strike Slip Tectonic Controls On The East African Rift System <i>A. Long</i> , Subterranean Ltd |
| 16.15 | The 'Turkana Grits' From Northern And Central Kenya Rift Basins: Summary Of Petrography And Reservoir Quality <i>S. Morano</i> , MoranoPetrography ; <i>J-J. Tiercelin, E. Hallot and G Ruffet</i> , Univ. Rennes, CNRS-Geosciences Rennes; <i>G. Muja</i> , Geothermal Development Company; <i>J-L Potdevin</i> , Univ. de Lille, Departement des Sciences de la Terre; <i>M. Schuster</i> , CNRS-Univ. de Strasbourg, Institut de Physique du Globe de Strasbourg; <i>P. Thuo</i> , Peter Thuo |
| 16.30 | Age And Paleoenvironment Of Cenomanian-Turonian Source Rocks In Moroccan Basins <i>J. Wang, J. Redfern, L. Bulot and K. Taylor</i> , The University of Manchester |
| 16.45 | Hydrocarbon Prospects Offshore Lebanon <i>A. Adepitan</i> , University of Derby |
| 17.00 | Quantifying The Impact Of Structural Growth On The Stratigraphic Architecture Of Turbidite Reservoir Facies, Deep-Water Niger Delta <i>M. Pizzi, I. Lonergan, M. Mayall and A. Whittaker</i> , Imperial College London |
| 17.15 | The Underexplored Shelf-Edge Plays Of The West Africa Transform Margin And The Opportunity To De-Risk These On Merged 3D Seismic And Well Datasets Through Togo, Benin And Western Nigeria <i>M. Tyrrell, M. Martin and A. Ashfield</i> , PGS; <i>B. Biaou</i> , SOBEH Benin |

POSTER SHOWCASE – WEDNESDAY

| ENABLING TECHNOLOGIES AND WORKFLOW EVOLUTION | |
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| 09.30 | Using Virtual Outcrop Analogues To Give Insight And Training Throughout The Life Cycle Of A Field: Examples Of Natural Fracture Characterisation In Conventional And Unconventional Fractured Reservoirs <i>S. Daniels, J. Long and R. Jones, Geospatial Research Ltd</i> |
| 09.45 | Connecting Cloud Technology With Seismic Challenges: A Next Step In Geoscience Workflow Efficiency <i>J. Nicholson, Osokey Ltd; S. Ashley and J. Paterson, OGTC</i> |
| 10.00 | Exploring The Predictive Power Of Seismic Geomorphology To Assess Reservoir Quality Of Deepwater Gravity-Flow Sandstones. A Step Towards Automated Interpretation Of Seismic Data? <i>N. Scarselli, Royal Holloway University of London</i> |
| 10.15 | Uncertainty Reduction In Bayesian Inversion Of Geophysical Data For Geological Facies Using Machine Learning <i>M. A. Nawaz and A. Curtis, The University of Edinburgh</i> |
| 10.30 | Constrained Stochastic Inversion Using Machine Learning And High Resolution Seismic Attributes <i>Y. Kiche, University of Pau et des Pays de l'Adour; A. Ouenes, GO GeoEngineering</i> |
| 10.45 | Prospect Chancing with the New Artificial Intelligence, Is it for real? <i>Charles Stabell, Decision Resources and Design</i> |
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| 11.30 | Sedimentological Evaluation of the Kimmeridge Sandstone, Eastern Weald Basin and Northwestern France <i>L. Angus, A. Fraser, G. Hampson and F. Palci, Imperial College London</i> |
| 11.45 | Using Drilling Parameters To Characterize Shale Rock Strength To Improve The Wellbore Stability Analysis <i>A. Reyes and Z. Yuan, Schlumberger</i> |
| 12.00 | Seismic Data Collaboration: How Can We Maximize Our Seismic Data And Enable Greater Collaboration? <i>M. Ireland and P. Randell, BP Exploration; R. Burrell, Osokey</i> |
| 12.15 | Seismic Interference Prediction – Fundamentals And Infield Deployment <i>R. O'Driscoll, L. Sierralta and S. K. Reed, ION</i> |
| 12.30 | Triple-Source Acquisition And Processing: Case Histories From NW Europe <i>E. Cho, B. Mekala, T. Travis, M. Hart and H. Masoomzadeh, TGS</i> |
| 12.45 | A Field Test Of Marine Source Signature Estimation Using Dual Near-Field Hydrophones <i>R. Telling, S. Grion, S. Denny and G. Williams, Shearwater Geoservices</i> |

POSTER SHOWCASE – WEDNESDAY

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| 14.15 | Broadband Imaging Of Multimeasurement Seismic Data For Prospect Identification Through Interpretation And Avo Analysis: A Case Study From Offshore Mozambique A. Kanrar, D. Rathee and M. Francis, WesternGeco |
| 14.30 | 3D Seismic Imaging Offshore Gabon: A Soft Approach For A Geologically Constrained Velocity Modelling P. Esestine, H. Nicholls, N. Hodgson and K. Rodriguez, Spectrum Geo Ltd; B. Cox, Monarch Geophysical Services |
| 14.45 | Imaging Pitfalls Around Salt Domes From The Picanha Area, Offshore Brazil A. Pavlov, J. Fruehn, J. Faw and H. Faw, ION Geophysical |
| 15.00 | Deeper, High-Resolution, Broadband Imaging Of Westray: The Key To Understanding Its Potential M. Steiger-Jarvis, A. Furber, G. Polisano, K. Broadbent and M. Francis, WesternGeco |
| REFRESHMENT BREAK | |
| 16.00 | Seismic Imaging Using Guided Wave Migration R. Ferguson, Orthogonal Geophysics Inc; J. Deo, Seismic Image Processing |
| 16.15 | Velocity Model Building Over Complex Geological Regimes: A Case Study Using An Iterative Velocity Model Inversion Approach X. Jiang, M. Aydin, B. Virlovet and A. Lewis, Petroleum Geo-Services |
| 16.30 | Recovering Nile Delta Messinian Salt Structure Using Reconstructed Full Waveform Inversion J. Fruehn, S. Greenwood, K. McDermott, S. Mannick and C. Wang, ION Geophysical |
| 16.45 | Full-Waveform Inversion Overcomes Imaging Challenges West Of Shetland – Imaging Clair Ridge S. Roy and A. Bullock, WesternGeco |
| 17.00 | High Resolution Velocity And Impedance Estimation Using Refraction And Reflection Fwi: The Fortuna Region, Offshore Equatorial Guinea I. F. Jones, J. Singh, J. Chigbo and S. Greenwood, ION Geophysical; P. Cox, C. Hawke and D. Harger, Ophir Energy |
| 17.15 | Deblending Of Continuous Shot Records By Sparse Inversion Of Coherent Events H. Masoomzadeh, S. Baldock and Z. Liu, TGS |



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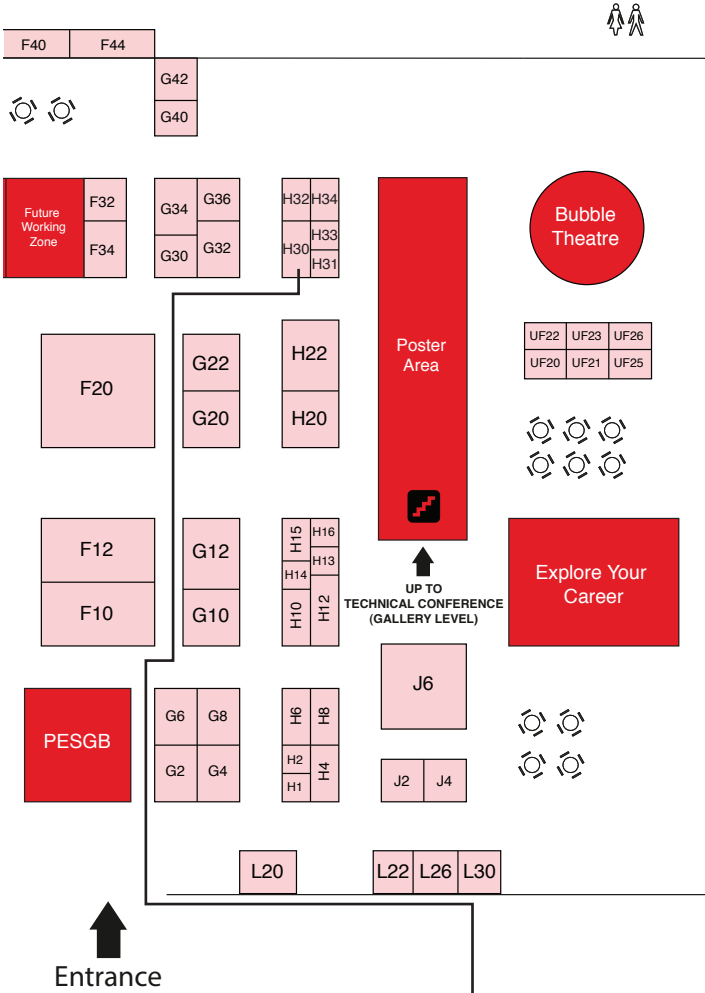
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1444 South Boulder Avenue, Tulsa, OK 74119, USA

Tel: +1 647 984 5112

Email: vvokins@aapg.org

Website: www.datapages.com

Contact: Vesna Vokins

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ALT – Advanced Logic Technology sa

G32

30H rue de Niederpallen, L-8506 Redange, Luxembourg

Tel: +352 285 615 1

Fax: +352 285 615 40

Email: info@alt.lu

Website: www.alt.lu

Contact: Annick Henriette

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Tel: +44 7990 553 566

Email: contact@analyticssignal.com

Website: www.analyticssignal.com

Contact: Dr. David Psaila

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Bedford i-Lab, Priory Business Park, Stannard Way, Bedford MK44 3RZ, UK

Tel: 01234 834 864

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Email: info@arkcls.com

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26 Linford Forum, Rockingham Drive, Milton Keynes MK14 6LY, UK

Tel: 01908 667 014

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Website: www.austinbridgeporth.com

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Brendehaugen 20, N-6095 Ulsteinvik, Norway

Tel: +1 281 810 3027

Email: info@axxisgeo.com

Website: www.axxisgeo.com

Contact: Rick Dunlop

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Email: xujingwei@cnpc.com.cn

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Contact: Xu Jingwei

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CaMa GeoScience AS

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IPARK Stavanger, Prof. Olav Hanssensvei 7A,
PO Box 8034, N-4066 Stavanger, Norway

Tel: +47 99 155 122

Email: cfg@camageo.no

Website: www.camageo.no

Contact: Carl Fredrik Gyllenhammar



CaMa GeoScience, located at the Innovation Park in Stavanger, own two licenses of interactive petrophysics. We are experts in integrating log interpretation with mudlogging data. As a result, we are also experts in finding missed-pay and pore-pressure analysis. CaMa GeoScience has received funding from Norwegian Research Council of Norway to develop a new well plug. The testing is currently ongoing at the University in Stavanger and IRIS. We have also developed a method to measure platform subsidence using radar satellite data from Sentinel 1A and B. This innovative development is financially supported by the Norwegian Space Center and Innovation Norway.

Cegal

C20

Two Furlongs, Portsmouth Road, Esher, Surrey KT10 9AA, UK

Email: mitch.sutherland@cegal.com

Website: www.cegal.com

Contact: Mitch Sutherland

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Email: peter.whiting@cgg.com

Website: www.cgg.com

Contact: Peter Whiting

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1 Ravenscroft Court, Buttington Cross Enterprise Park, Welshpool, Powys SY21 8SL, UK

Tel: 01938 555 330

Fax: 01938 555 501

Email: ukoffice@chemostrat.com

Website: www.chemostrat.com

Contact: Dirk Cuthbertson

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Tel: +53 7 876 6200 / +53 5 2802258

Email: olopez@union.cupet.cu

Website: www.union.cupet.cu

CUPET is a Cuban state-owned company in charge of exploring, producing, refining, transport and storage oil and gas. CUPET produces more than 60,000 BOED in national oil fields and operates four refineries in the country.

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2/80 Victoria Street, London SW1E 5JL, UK

Tel: 020 7290 5380

Email: sales@dug.com

Website: www.dug.com

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De Molen 42, NL-3994 DB Houten, Utrecht, Netherlands

Email: eage@eage.org

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Echo Seismic Ltd

H31

4500 8A Street North East, Calgary, Alberta T3E 4J7, Canada

Tel: +1 403 216 0999

Fax: +1 403 216 0989

Email: baileyq@echo-group.net

Website: www.echo-group.net

Contact: Quinten Bailey

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Egyptian Natural Gas Holding Company (EGAS)

D42

85 Nasr Road, 1st District, Nasr City, Cairo, Egypt

Tel: +20 224 055 845

Fax: +20 224 055 876

Email: egas@egas.com.eg

Website: www.egas.com.eg

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Electromagnetic Geoservices

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Stiklestadveien 1, N-7041 Trondheim, Norway

Tel: +47 41 236 323

Email: emgs@emgs.com

Website: www.emgs.com

Contact: Martin Hansen

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187 rue Helene Boucher, F-34170 Castelnau le lez, France

Tel: +33 4 67 41 31 16

Email: contact@eliis.fr

Website: www.eliis.fr

Contact: Lyra Menon

Eliis is an international software provider in seismic interpretation for the oil and gas industry. The HQ is in France and assets are located in Malaysia, Australia and the US. Through its experience in seismic imaging, geosciences and computer skills, Eliis has developed PaleoScan™, a new generation of software, which optimises drastically the seismic interpretation process. PaleoScan™ has already been used on various areas worldwide and has shown successful results used in the E&P decisions. Eliis' mission is to bring adapted and efficient solutions to help geoscientists in the seismic interpretation task and reduce the risk in the decision-making process.

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Old Stables House, 1d Manor Road, West Ealing, London W13 0LH, UK

Tel: 020 8566 1310

Email: deliver@envoi.co.uk

Website: www.envoi.co.uk

Contact: Mike Lakin

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25 High Street, Cobham, Surrey KT11 3DH, UK

Tel: 0870 2406 699

Email: sales@epigroup.com

Website: www.epigroup.com

Contact: Andy Smart

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Etches Collection

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Kimmeridge, Dorset BH20 5PE, UK

Tel: 01929 270 000

Email: nfo@theetchescollection.org

Website: www.theetchescollection.org

Contact: Carla Crook

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Innherredsveien 7, N-7014 Trondheim, Norway

Tel: +47 98 879 804

Email: mail@exploro.no

Website: www.exploro.no

Contact: Bjørn Seeland

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Faroese Geological Survey

G40

Jóannesar Paturssonargøta 32-34, PO Box 3059, Tórshavn FO-100, Faroe Islands

Tel: +298 357 000

Email: jardfeingi@jardfeingi.fo

Website: www.jf.fo

Contact: Barbara Biskopstø Hansen

The Faroese Geological Survey is the administrator of oil licenses in the Faroe Islands. The institution belongs to the Ministry of Foreign Affairs and Trade. Currently, out of round bids are welcome through the open door regime. There are a number of large under-explored structures on the Faroese Continental Shelf including structures crossing the border to the UK, of which the Fugloy Ridge, Ymir Ridge and the Wyville Thomson Ridge are currently the most promising. The Faroese government is hopeful that the industry will investigate in the above mentioned structures, and the potentially large quantities of hydrocarbons which may be held therein.

Flare Solutions Limited

F34

3, Acorn Business Centre, Northarbour Road, Cosham, Portsmouth, Hampshire PO6 3TH, UK

Tel: 020 3397 7766 / **Fax:** 0870 460 2543

Email: enquiries@flare-solutions.com

Website: www.flare-solutions.com

Contact: Glenn Mansfield



Flare provides information management consultancy, software and services to the upstream industry, including oil and gas companies from super-majors to small independents, service providers, regulators and government agencies. We provide trusted information management (IM) advice, services and tools that help our clients achieve business goals through more effective management of their information. Flare's Sirius suite addresses the core IM requirements of the E&P industry with modules for search, process tracking and automated classification that work closely with the comprehensive Flare Taxonomies.

Fossil & Crystal Shop

J44

Unit C7A4, Victoria Road, Avonmouth, Bristol BS11 9DB, UK

Tel: 07855 344 246

Email: enquiries@fossilandcrystalshop.com

Website: www.fossilandcrystalshop.com

Contact: Simon Cohen

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FROGTECH GEOSCIENCE

H40

2 King Street, Deakin, Canberra, Australian Capital Territory 2600, Australia

Tel: +61 02 6283 4800

Email: info@frogtech.com.au

Website: www.frogtech.com.au

Contact: Phil Henley

Through its SEEBASE® multi-client studies, suite of data products, consulting services and government solutions, Frogtech Geoscience provides actionable science that reduces risk and improves economic outcomes for petroleum agencies and explorers in every corner of the world.

GEO ExPro (GeoPublishing Ltd)

H44

15 Palace Place Mansions, Kensington Court, London W8 5BB, UK

Tel: 07909 915 513

Email: kirsti.karlsson@geoexpro.com

Website: www.geoexpro.com

Contact: Kirsti Karlsson

GEO ExPro is a well-read and much loved interdisciplinary worldwide magazine and online publication designed to explain and clarify geoscience and technology. 'Complex Stories in Simple Words.' Articles in the GEO ExPro Magazine and articles posted on the GEO ExPro Web App reflect the wide range of topics and issues that are of interest to the upstream geoscience community and beyond, from frontier exploration and emerging technologies to geotourism and the history of petroleum. Please come by our Stand L24 to pick up a free copy of the latest issue.

Geoex Ltd

D12

Global House, 1 Ashley Avenue, Epsom KT18 5AD, UK

Tel: 01372 742 170

Email: enquiry@geoexltd.com

Website: www.geoexltd.com

Geoex is a global geophysical and geological data provider, specialising in multi-client seismic surveys. Our activity is focused on technical and strategic support to oil and gas companies and governments.

DataCo Group - Geognostics, GeoRes and DataCo

D32

Townend, Shootersway Lane, Berkhamsted,
Herts HP4 3NW, UK

Tel: 01442 871 123

Email: daniel.clarke@dataco-global.com

Website: www.dataco-global.com

Contact: Daniel Clarke

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The DataCo Group: integrated exploration, reservoir evaluation and data management services. Geognostics is the exploration consulting company of the DataCo Group. Representing more than 20 years of global research, the Geognostics Earth Model (GEM) provides a detailed bottom-up view of global geology and basins, accurately reconstructed back in time. GeoRes provides a range of integrated reservoir evaluation services delivering cost savings and optimal reservoir development by the management of uncertainty. DataCo delivers data and information management services to the upstream oil and gas industry, supported by advanced data science and analytics. Global hubs in EU, USA and Asia/Pacific.

Geologix Limited

D24

Rosebery Court, St Andrews Business Park, Norwich, Norfolk NR7 0HS, UK

Tel: 01603 706 900

Email: cmaxwell@geologix.com

Website: www.geologix.com

Contact: Colin Maxwell

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Geoscience Wales Limited

C38

9 Connaught House, Riverside Business Park, Bnarth Road, Conwy, Wales LL32 8UB, UK

Tel: 01492 592 425

Fax: 01492 592 425

Email: admin@geoscience-wales.co.uk

Website: www.geoscience.wales

Contact: Barrie Wells

Geoscience Wales Limited (GWL) is a not-for-profit company. We promote the geoscience businesses of our associate members' through marketing their geoscience expertise and services to industry. GWL provide networking and educational opportunities through regular cluster meetings and seminars allied to the PESGB. Our associates have extensive global experience across seven continents, in more than 50 countries, in all aspects of the geosciences. Our clients range across global energy and mining sectors, governments and financial institutions. We provide independent advice exploiting the unique skills of our associates to deliver high quality services and consultancy in a cost-effective manner.

Getech

G4

90 Long Acre, London WC2E 9RZ, UK

Website: www.getech.com

Contact: Giancarlo Villani

The Getech Group provides the expertise, support and knowledge that companies and governments need to better discover, develop and manage natural resources. Our data-rich products, geospatial solutions and government advisory services help our customers to achieve their business goals of risk-management, cost control, operational excellence, regulatory compliance and environmental responsibility.

Hoolock Consulting

H14

19 Highacre, Dorking, Surrey RH4 3BF, UK

Tel: 07766 024 602

Email: tim@hoolock-consulting.com

Website: www.hoolock-consulting.com

Contact: Tim Gibbons

Hoolock Consulting provides sales consulting services to technology and engineering companies based on 'The Equation of Sales: Trust x Needs x Value = Successful Selling.' Our sales consulting is designed to improve the efficiency and effectiveness of sales teams based on the products and services that they are selling. This means that our consulting is focussed on your products and on your sales process rather than generic solutions. We are also the European sales agent for Geophysical Insights. Its Paradise technology is a multi-attribute analysis software that uses machine learning processes to extract more information from the seismic response, even below seismic resolution.

IHS MARKIT

A6

4th floor Ropemaker Place, 25 Ropemaker Street, London EC2Y 9LY, UK

Tel: 020 3159 3528

Email: bani.norouzian@ihsmarkit.com

Website: www.ihs.com/industry/energy.html

Contact: Bani Norouzian

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Ikon Science

E20

1 The Crescent, Surbiton, London KT6 4BN, UK

Tel: 020 8943 1122

Fax: 020 8399 0563

Email: info@ikonscience.com

Website: www.ikonscience.com

Contact: Steve Hunt

Ikon Science provides a comprehensive software technology and consulting service that improves the value of reserves while reducing drilling costs and operational uncertainty. Through RokDoc software and an integrated geoscience consulting business, Ikon brings the necessary detail required to build knowledge and confidence in sub-surface decision-making. Ikon's multi-disciplinary business predicts safer and more efficient exploration, reservoir optimisation and drilling. Visit Ikon Science at PETEX 2018 to see RokDoc 6.6.0, focused on delivering powerful new workflows to extend field life and maximise the value of large datasets, through knowledge management and machine learning.

IMC Geophysical Services Ltd

A24

Unit 3 Rotherham Close, Killamarsh, Sheffield, S21 2JU, UK

Tel: 0114 349 2934 / 0114 248 8995

Email: geophysics@imcgsl.com

Website: www.imcgsl.com

IMC Geophysical Services Ltd is the UK's leading supplier of seismic data acquisition (2D, 3D, 4D and TZ) and data processing services. From a small refraction survey to a multi-thousand channel, multi-source 3C 3D. No project too small, no project too large, whether acquisition or processing. IMC's personnel have unrivalled experience operating in the UK, Europe and East Africa.

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21 rue Louis Barthou, BP 128, F-64001 Pau Cedex, France

Tel: +33 687 806 157

Email: l-dissez@pau.cci.fr

Website: www.investinpau.pyrenees.com/en

Contact: Laure Dissez

Business development and inward investment agency of the French Pau-Pyrénées region. Five companies from Béarn are with us: BOPS (www.bops64.com), DrillScan (www.drillscan.com), Febus Optics (www.febus-optics.com), GoGeo Engineering (www.gogeo.biz) and RealTimeSeismic (www.realtimeseismic.com). We would be happy to assist you in knowing our energy economical environment, to link you to the business networks relevant to your activities and to help you in any way to set up your project.



ION

G12

2105 CityWest Blvd., Suite 100, Houston, TX 77042, USA

Tel: +1 713 933 3339

Fax: United States

Email: info@iongeo.com

Website: iongeo.com

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KeyFacts Energy

L26

9 Snowdenham Hall, Snowdenham Lane, Bramley, Guildford, Surrey GU5 0DB, UK

Tel: 07590 442 868

Email: chris@keyfactsenergy.com

Website: www.keyfactsenergy.com

Contact: Chris Pettit

Keyfacts Energy have developed an online database that takes you straight to the information you need, providing access to the key oil and gas companies in a chosen country and capturing an instant review of operational activity, capital expenditure, work programmes, farm-in opportunities, outlook, latest news, people and global office locations. The Energy Country Review section provides a concise, 'one-stop' guide to global energy activity, featuring 142 countries, over 2200 companies and more than 3000 key personnel.

Klarenco

G32

Freiligrathstr. 8, D-02797 Oybin, Germany

Tel: +49 1609 6468 270

Email: info@klarenco.com

Website: www.klarenco.com

Contact: Olaf Klarner

KLARENCO provides international E&P consulting services to the upstream oil and gas industry with focus on reservoir characterisation and asset evaluation. Our core team is led by highly recognised professionals with over 25 years of experience in the European and CIS markets and includes experienced staff in the field of petrophysics, qualitative and quantitative seismic interpretation, exploration and production geology and reservoir engineering. We offer special workflows and solutions based on integrated analysis of geological and geophysical data. Our client list includes NOCs, independent E&P companies and financial investors of different sizes.

Lebanese Petroleum Administration (LPA)

G42

Marfaa 200 Building - 1st Floor, Georges Akouri Street, Downtown, Beirut, Lebanon

Tel: +961 1 998 780

Fax: +961 1 998 781

Email: info@lpa.gov.lb

Website: www.lpa.gov.lb

Contact: Walid Nasr - Chairman of the Board

The Lebanese Petroleum Administration (LPA) was established in December 2012, and is an independent public institution mandated to manage the upstream offshore petroleum sector in Lebanon, operating under the tutelage of the Minister of Energy and Water. The principal objective of the LPA is to contribute to creating the greatest possible value for the economy and the society out of the petroleum sector while protecting the environment. The LPA actively undertakes planning, regulatory, and supervisory roles across the petroleum industry value chain, including the licensing, exploration, development and production and the decommissioning phases of the petroleum sector.

Llahven Data Management

CC8

Bristol/London, UK

Email: nevhall@llahven.com

Website: www.llahven.com

Contact: Neville Hall

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71 Fenchurch Street, London EC3M 4BS, UK

Tel: 020 7709 9166

Website: www.lr.org

Contact: Mai-Trang Tran

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Tel: 01505 843 002

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D6

46-50 Coombe Road, New Malden, Surrey KT3 4QF, UK

Tel: 020 8780 2634

Email: chris@lynxinfo.co.uk

Website: www.lynxinfo.co.uk

Contact: Chris Morgan

Lynx Information Systems specialises in the provision of geological and geophysical data services to the upstream oil industry. Established in 1989 and with offices in London and Houston, Lynx is a recognised world leader in the field of digital archiving, reconstruction and spatial data management of E&P data. Our client-base extends from small oil companies to fully integrated majors, national oil companies, government ministries and national regulators and agencies. Services and products we offer include: National Data Repositories (NDR), Virtual Data Rooms (VDR), GIS Data, seismic vectorising and well log digitising services, E&P software sales, development and data management solutions.

University of Manchester

UF22

School of Earth and Environment, Williamson Building, Oxford Road, Manchester, Greater Manchester M13 9PL, UK

Tel: 0161 306 9361

Email: earth.support@manchester.ac.uk

Website: www.sees.manchester.ac.uk

Contact: Jonathan Redfern

Manchester has a large and dynamic petroleum geoscience research and teaching capability, with a vibrant Masters programme and one of the UK's largest research/postgraduate communities. Our MSc programme has two streams: exploration and development, offering an applied course with a strong global reputation. The school also offers an Environmental Science MSc. Our research is sponsored by leading oil and gas companies and NERC/EPSERC. We have over 45 PhDs undertaking research projects globally, supported by leading academic staff and postdoctoral fellows, accessing world-class facilities, in close collaboration with petroleum engineering and other disciplines across the University.

Ministry of Energy Ghana

E40

PO Box SD 40, Stadium Post Office, Ministries Enclave, Opposite Pension House, SSNIT, Accra, Greater Accra GL-0635498, Ghana

Tel: +233 302 6671 07

Email: patricia.asaam@energymin.gov.gh

Website: www.energymin.gov.gh

Contact: Patricia Asaam

The Ministry of Energy is the Government of Ghana Ministry responsible for energy policy formulation, implementation, monitoring and evaluation, as well as the supervision and coordination of activities of energy sector agencies. Our vision is to become an energy economy with reliable supply of high quality energy services for the Ghanaian economy and for export. The mission of the Ministry is to develop and sustain an efficient and financially viable energy sector that provides secure, safe and reliable supply of energy to meet Ghana's developmental needs in a competitive manner.

Monarch Geophysical Services

H13

45-47 High Street, Cobham KT11 3DP, UK

Tel: 01932 860 118**Email:** malcolm@monarchgeo.co.uk**Website:** www.monarchgeo.co.uk**Contact:** Malcolm King

Monarch Geophysical Services is a consultancy specialising in planning, managing and quality controlling seismic projects. The company was set up in 1991 and we are a team of eight very experienced geophysicists each with between 15 and 40 years industry experience. Since its inception, Monarch has worked for over 50 different major oil companies on more than 800 projects – land, transition zone and marine – acquisition and processing 2D, 3D and 4D. Acquisition projects start with the optimisation of the geophysical parameters using MonarchModel to ensure that the latest processing techniques can be used. The company is actively looking to expand by recruiting new, experienced geophysicists.

MultiClient Geophysical AS (MCG)

D12

Skysstasjon 5, N-1383 Asker, Norway

Tel: +47 90 893 006**Email:** mcg@mcg.no**Website:** www.mcg.no**Contact:** Tom Wolden

MCG is a global geophysical and geological data provider, specialising in multi-client seismic surveys. Our activity is focused on technical and strategic support to oil and gas companies and governments.

NERC Centre for Doctoral Training (CDT) in Oil & Gas

UF26

Shell Centre for Exploration Geoscience, School of Energy, Geoscience, Infrastructure & Society, Heriot-Watt University, Riccarton, Edinburgh EH14 4AS, UK

Tel: 0131 451 4725**Email:** l.h.morrow@hw.ac.uk**Website:** www.nerc-cdt-oil-and-gas.ac.uk**Contact:** Lorna Morrow

The CDT in Oil & Gas is a partnership of 17 UK universities, NERC and two of its affiliates, BGS and NOC, and eight core industry sponsors funding the research and training of 128 PhD students across 5 cohorts. The CDT is creating a highly skilled workforce with expertise that can be used in the oil and gas industry, wider energy policy and environmental agencies. The CDT expands students' understanding and experience of the operational and regulatory context in which their individual research topics are placed with training provided equally by academic, industry and regulatory representatives.

Neuralog

A2

4800 Sugar Grove Blvd, Suite 200, Stafford, TX 77477, USA

Tel: +1 281 240 2525

Email: sales@neuralog.com

Website: www.neuralog.com

Contact: Ben Mitchell

Neuralog provides intuitive, efficient, low-cost solutions to capture, organise and analyse oil and gas data. Our products include the world's only purpose-built well log scanner, best-in-class well log printers, industry standard automated well log and map digitizing software, the most efficient geology analysis package, and a GIS-based data access and visualisation application.

Newfoundland and Labrador

F44

PO Box 8700, 50 Elizabeth Avenue, St. John's, NL A1B4J6, Canada

Tel: +1 709 729 2533

Fax: +1 709 729 2508

Email: bkendell@gov.nl.ca

Website: www.gov.nl.ca/nr

Contact: Brad Kendell

The Province of Newfoundland and Labrador, located on the east coast of North America, is Canada's offshore oil producing region. Since the first oil twenty years ago, the province's five fields in the Jeanne d'Arc Basin, Hibernia, Terra Nova, White Rose, North Amethyst and Hebron have produced in excess of 1.8 billion barrels of oil. Discovered reserves/resources now total 4.3 billion barrels of oil and 12.6 trillion cubic feet of natural gas. A scheduled land tenure system and recent significant oil discoveries in the Flemish Pass Basin have created significant industry interest. Regularly scheduled licensing rounds provide existing players and new entrants with exciting opportunities.

NORSAR INNOVATION

C2

Gunnar Randers vei 15, N-2007 Kjeller, Norway

Tel: +47 63 805 900

Email: sales@norsar.no

Website: www.norsar.com

NORSAR Innovation AS does commercialisation, marketing, sales and support worldwide of NORSAR's cutting edge software solutions. The core applications of NORSAR Software Suite are illumination analysis, survey planning, Kirchhoff modelling, 4D time lapse studies, reservoir analysis and microseismic network design and evaluation. NORSAR's software products are sold under the brand names NORSAR-2D, NORSAR-3D for general seismic modelling, SeisRoX for seismic modelling of petroleum reservoirs and MDesign for microseismic network analysis. The software products are used by the leading E&P companies and seismic service companies throughout the world.

Nova Scotia Department of Energy and Mines

F40

1690 Hollis Street, 12th Floor, Joseph Howe Building, Halifax, Nova Scotia B3J 3P7, Canada

Tel: +1 902 424 4575

Email: kim.doane@novascotia.ca

Website: energy.novascotia.ca

Contact: Kimberly Doane

The Department of Energy and Mines regulates the onshore petroleum industry. Nova Scotia's energy resources, both offshore and onshore, may be some of the most under explored in the world. The Department is working with our partners in industry and research to further advance our petroleum exploration and investment. We are putting as much information as possible on our website to make potential investors and partners know just how attractive Nova Scotia is. More complete information on the offshore Play Fairway Analysis is available on the website, energy.novascotia.ca.

OGA

F10

21 Bloomsbury Street, London WC1B 3HF, UK

Email: oga.correspondence@ogauthority.co.uk

Website: www.ogauthority.co.uk

Contact: Ian Furneaux

The Oil and Gas Authority's role is to regulate, influence and promote the UK oil and gas industry in order to achieve our statutory principal objective of maximising the economic recovery of the UK's oil and gas resources. We seek to be a progressive and highly effective authority, doing all we can to attract investment and with that jobs, helping to anchor valuable skills and expertise in this country. The OGA is largely funded by an industry levy introduced on 1 October 2015. We are headquartered in Aberdeen with another office in London.

Oil & Gas UK

A4

6th Floor East, Portland House, Bressenden Place, London SW1E 5BH, UK

Tel: 020 7802 2400

Email: membership@oilandgasuk.co.uk

Website: www.oilandgasuk.co.uk

Contact: Karis Thain

Oil & Gas UK is a not-for-profit membership organisation that represents, promotes, and connects the diverse companies that make up the UK offshore oil and gas industry. Our membership includes operators, non-operators and explorers, as well as hundreds of large and small contractor companies working across the UK, from Shetland to the south coast. Oil & Gas UK advocates on behalf of its members, provides members with access to market intelligence and discussion forums, and provides a platform for companies to network with other members and raise their profile within the industry. Come to our stand to hear more about our work in exploration and how you can get involved.

ONHYM

E42

5 Avenue Moulay Hassan, B.P.99, 10000 Rabat, Morocco

Tel: +212 5 372 3989 8

Fax: +212 5 377 0941 1

Website: www.onhym.com

The National Office of Hydrocarbons and Mines (ONHYM) was established on 17 August 2005 by the merger of the Bureau of Research and Mining Participations (BRPM) and the National Office for Research and Petroleum Explorations (ONAREP). ONHYM has accumulated more than 90 years of expertise in hydrocarbon and mining exploration, and is the promotor of the hydrocarbon potential in Morocco, and the unique interlocutor for oil and gas investors in Morocco.

Orbital Fabrications

H42

Unit 1 Stephenson Road, St Ives, Cambridge PE27 3WJ, UK

Tel: 01480464066

Email: sales@orbitalfab.co.uk

Website: www.orbitalfabrication.co.uk

Our main activity is orbital welding, turntable welding, hand welding and assembly of fluid distribution components and on-site gas and fluid pipework systems, we also offer design and modular build assembly. Our facility includes Class 1000 cleanrooms, a comprehensive CNC Machine Workshop and a Wire Feed Orbital Lathe.

Osokey Ltd

H33

Suite 7, The Hub, Station Road, Henley-on-Thames, RG9 1AY

Email: joseph@osokey.com

Website: www.osokey.com

Contact: Joseph Nicholson

Osokey delivers cloud-native data access and collaboration solutions to the energy industry. We work with customers to accelerate their digital transformation. Our solutions focus on helping people to quickly access all of their data and connect with their global expertise through real-time global collaboration sessions. We are passionate about developing products that are simple and intuitive to use. This allows you to maximise the value of your data, discover new insights and inspires new ways of working. To learn more, please visit us at PETEX2018 or go to stream.osokey.com for a free demo.

PanTerra Geoconsultants B.V.

G32

Weversbaan 1-3, NL-2352 BZ Leiderdorp, Netherlands

Tel: +31 715 813 505

Email: info@panterra.nl

Website: www.panterra.nl

Contact: Greg van de Bilt

PanTerra Geoconsultants provides a comprehensive suite of oil and gas (sub)surface services ranging from core and fluid analysis, geology, geothermal evaluations, petroleum engineering and (EOR) development services including engineering, construction and commissioning. With its main base in the Netherlands, PanTerra has a worldwide project portfolio focusing on Europe, Africa, the Middle East, South America, Central Asia and the Far East. Serving the international oil and gas industry for more than 25 years, PanTerra has established a proven track record of quality, reliability and customer focus.

PDS Group

H2

Chester House, 81-83 Fulham High St, London SW6 3JA, UK

Tel: 020 3880 1782

Email: pdsgroupcontact@pds.com

Website: www.pds.group

Contact: PDS Group

PDS Group is a globally established supplier of petrotechnical software and technical consulting services. PDS Ava's cutting-edge, web-enabled software, Ava Clastics and Ava Saturation, allows you to create more representative reservoir models. Visit our stand to learn more about our technologically robust, repeatable, auditable and customisable solutions.

Perigon

H6

Davidson House, Balgownie Road, Campus 1, Aberdeen AB22 8GT, UK

Tel: 01224 355 255

Email: info@perigonsolutions.com

Website: www.perigonsolutions.com

Contact: Bruce Melvin

Perigon has been a global leader in intelligent, connected and efficient wellbore data management solutions for over 15 years. Our pioneering software suite, iPoint, provides a single source for all wellbore data - bringing simplicity to data management workflows. Combining unique visualisation capabilities, integration to other systems, and cutting edge automated loading, QC and standardisation tools, iPoint delivers high quality data into the hands of those who need it quickly. Whether wireline logs, core samples or even raster log images, all wellbore data can be stored, accessed and exported through our desktop or web based applications, with unparalleled understanding and confidence.

Petroleum Leeds

UF3

School of Earth and Environment, University of Leeds, Leeds LS2 9JT, UK

Tel: 0113 343 3057

Email: petroleum@leeds.ac.uk

Website: www.petroleum.leeds.ac.uk

Contact: Rachael Spraggs

Petroleum Leeds brings together the engineering and geoscience expertise that is relevant to the oil and gas industry at the University of Leeds to create a world-leading research centre, and offer a single point of contact for petroleum related research. We have a flexible approach and can provide a range of collaborative research including specific projects to address a business need and pre-competitive joint industry projects (JIPs). Our areas of expertise include: asphaltenes, emulsions and wax, basins and structural geology, corrosion and scale, geophysics, governance, nanotechnology, petrophysics and geomechanics, sedimentology, and 3D visualisation.

PetroMarker

H34

Notberget 12, N-4051 Stavanger, Norway

Tel: +47 51 201 610

Email: kjersti.isrenn@petromarker.com

Website: www.petromarker.com

Contact: Kjersti Isrenn

PetroMarker acquires, models, processes and inverts high quality electromagnetic data. PetroMarker offers EM services based on vertical transmitter and receiver technology, which is known to have higher sensitivity to thin resistors like a hydrocarbon reservoir compared to methods based on horizontal transmitters and receivers. Working at short offsets (in the near zone) and in time domain, with alternate pulsing and receiving sequences, PetroMarker's EM technology avoids disturbances like the air wave and the direct signal. As a result, the main features of PetroMarker's EM technology are high accuracy, sensitivity and in depth penetration.

Petroscan Ltd

C36

Tel: +44 1244 534 494

Email: rtaylor@petroscan.co.uk

Website: www.petroscan.co.uk

Contact: Richard Taylor

Legacy Archives to Live Assets: the conversion of hard copy seismic, well log or map data to more versatile industry standard digital formats. E&P clients utilise Petroscan's experience in this niche service to contemporise and integrate vintage datasets. With the most accurate conversion services available, Petroscan confidently offers a free trial to all new clients (contact details below). After all, before digitalisation comes digitisation.

PetroStrat Limited

G36

Tan-y-Graig, Parc Caer Seion, Conwy LL32 8FA, UK

Tel: 01492 562 250

Email: john.gregory@petrostrat.com

Website: www.petrostrat.com

Contact: John Gregory

PetroStrat Ltd is a Stratigraphic Consultancy that provides a comprehensive suite of integrated geological services to the oil and gas industry. We offer full service, quantitative palaeontology (micropalaeontology, nannopalaeontology and palynology) together with sedimentology/reservoir geology services (including core logging, petrography, log and image log interpretation, etc.). With headquarters and dedicated laboratories in Conwy, North Wales and Houston (USA) and a satellite office in St. Albans, we specialise in the provision of high resolution, quantitative reservoir scale studies and wellsite (real-time) biostratigraphic services.

PetroTrace Ltd

B12

Dukes Court, Duke Street, Woking, Surrey GU21 5BH, UK

Tel: 01483 662 421

Email: katherine.harington@ptgeos.com

Website: www.ptgeos.com

Contact: Katherine Harington

Come and meet our friendly PetroTrace team on Stand B12. With 30 years of global experience in seismic processing and imaging, and unique expertise in dealing with the most complex data/geology, PetroTrace continues pioneering innovative solutions to better image the subsurface (marine, land; NAZ/FAZ, OBC/OBN, 4D, multi-vintage, etc.). Visit us at PETEX to hear more about our seismic solutions (including diffraction imaging), or to discuss with our industry-renowned colleagues.

PGS

F20

4 The Heights, Brooklands, Weybridge, Surrey KT13 0NY, UK

Tel: 01932 376 000

Email: marketing@pgs.com

Website: www.pgs.com

PGS is a leading, worldwide geophysical company providing an extensive range of seismic services and products for the petroleum industry including seismic data acquisition, processing, reservoir monitoring and analysis and interpretation. The company also possesses the world's most extensive 3D MultiClient data library. PGS has a presence in 15 countries with regional centers in London, Houston and Kuala Lumpur. Our headquarters are in Oslo, Norway and the PGS share is listed on the Oslo stock exchange (OSE:PGS).

Polarcus

B20

Reef Tower, Level 20, Jumeirah Lakes Towers, Cluster O, Dubai PO 283373, United Arab Emirates

Tel: +971 4 436 0800

Email: info@polarcus.com

Website: www.polarcus.com

Contact: David Contreras

Polarcus is an innovative marine geophysical company with a pioneering environmental agenda, delivering high-end towed streamer data acquisition and imaging services from Pole to Pole. Polarcus operates a fleet of high performance 3D seismic vessels incorporating leading-edge maritime technologies for improved safety and efficiency. Polarcus offers contract seismic surveys and multi-client projects with advanced onboard processing solutions, and employs approximately 350 professionals worldwide. The company's principal office is in Dubai, United Arab Emirates. For more information, visit www.polarcus.com.

Qualis Geology Ltd

CC3

Whitegate, Stonards Brow, Shamley Green, Guildford, Surrey GU5 0UJ, UK

Tel: 07484 816 259

Email: j.anderson.qualis@gmail.com

Website: www.qualisgeology.co.uk

Contact: Dr John Anderson

Qualis Geology Ltd is an upstream exploration consultancy specialising in the application of knowledge-based systems to screen and rank basins for their petroleum potential. Qualis Geology Ltd offers services and products that are different to the standard services offered by geological consultants. Our services concentrate exclusively on exploration New Ventures, and are backed up by over 25 years of successful worldwide experience, enabling us to guide and advise E & P companies on which basins could help them achieve their exploration strategic visions and exceed their corporate goals. Qualis Geology Ltd also offers the full range of consulting services from regional to prospect scale.

Rees Onshore Seismic Ltd

H30

57 London Road, High Wycombe, Bucks
HP11 1BS, UK

We are a highly experienced hands-on team of geoscientists, land permit and GIS professionals whose sole aim is to help and assist clients in achieving their exploration goals. With over 30 years' experience in the hydrocarbon and mining exploration sectors, and more recently in the passive and renewable sectors.



RISC Advisory

D36

4th Floor Rex House, 4-12 Regent Street,
London SW1 Y4PE, UK

Tel: 020 3356 2960

Email: admin@riscadvisory.com

Website: www.riscadvisory.com

Contact: Gavin Ward



RISC Advisory is an independent oil and gas consultancy offering the highest level of technical and commercial advice. RISC works with operators, non-operators, banks and private equity firms using highly experienced staff from our offices in London, Dubai, Jakarta, Perth and Brisbane. We offer a totally independent and practical perspective.

Rock Flow Dynamics

G10

11 Chapel Street, Aberdeen AB10 1SQ, UK

Tel: 01224 653 385

Email: tnavigator@rfdyn.com

Website: www.tnavigator.com

Contact: Scott Harrison

tNavigator®, developed by Rock Flow Dynamics, is a fully parallel, single memory based application, offering geoscientists and reservoir engineers an integrated tool for subsurface analysis. tNavigator is the first software on the market to dynamically combine an interactive 3D graphical user interface and parallel supercomputing engine, to create workflows from reservoir static and dynamic modelling to surface networks and uncertainty quantification in just a few clicks. tNavigator offers unrivalled speed and scalability in an easy to use software, with embedded converters supporting industry standard input formats and syntax ensuring migration is simple. Visit us at G10 for a live demo.

Rock Physics Technology AS

E34

c/o Spaces, Lars Hilles Gate 30, N-5008 Bergen, Norway

Tel: +47 92 092 759

Email: info@rptas.no

Website: www.rockphysicstechnology.com

Contact: Dr. Åsmund H. Drottning

Rock Physics Technology is an independent provider of rock physics driven software and services for reservoir geophysics analysis and QI. The company was founded in 2014 and is located in Bergen.

Rockwash Prep & Store

H12

4B Rhiw Road, Colwyn Bay LL29 7TE, UK

Tel: 01492 535 821

Email: douglas.langton@rockwash.co.uk

Website: www.rockwash.co.uk

Contact: Doug Langton

RockWash Prep & Store provides the first digital documentation service for cuttings samples, core and petrographic thin sections as well as advanced cuttings sample preparation through a purpose-built, consistent and controlled process. PhotoSTRAT™ high resolution digital images document cuttings samples for a wide range of exploration and production applications. The use of PhotoSTRAT data, combined with RockWash XRF cuttings analysis provides an effective and cost-effective exploration technique, adding value to the work flow and complementing other datasets. Regional multiclient lithological datasets are available delivered by our digital gateway.

RPS

H20

Goldvale House, 27-41 Church Street West, Woking, Surrey GU21 6DH, UK

Tel: 01483 746 500

Email: energy@rpsgroup.com

Website: www.rpsgroup.com/energy

RPS Energy is a global multi-disciplinary consultancy, providing practical and integrated technical, commercial and project management support services in the fields of geoscience, engineering, hse, risk management and training. Our consultants bring deep sector knowledge providing sound, pragmatic advice to support the delivery of a range of projects across the upstream, midstream and downstream sectors. We are totally independent; a client-focused organisation, adapting to clients' needs and providing a world-class flexible service to deliver projects on time and within budget. Our clients include governments, national oil companies, majors, independents, investment groups and banks.

Seabed Geosolutions

J2

10350 Richmond Avenue, Suite 800, Houston, Texas 77042, USA

Tel: 07530 669 593

Email: jmoses@sbgs.com

Website: www.seabed-geo.com

Contact: John Moses, EAME Sales Director

Celebrating five years of innovation, Seabed Geosolutions provides best-in-class ocean bottom seismic (OBS) solutions to the oil and gas industry. With more than 38,000 sq km of 3D seismic data acquired, we deliver an integrated project management approach, combined with innovative receiver deployment methods, to 3000 meters of water.

Seismic Image Processing

D8

Banchory Business Centre, Burn O'Bennie Road, Banchory AB31 5ZU, UK

Tel: 01330 825 505

Fax: 01330 820 173

Email: jagat.deo@seismicimageprocessing.com

Website: www.seismicimageprocessing.com

Contact: Jagat Deo

At SIP we offer a strong combination of experience and unique eTechnology. Over 90 per cent of our staff have more than 20 years of experience in their respective fields, with significant strengths in land processing, velocity modelling, depth imaging, seismic inversion, rock physics, interpretation, depth conversion and de-risking.

Sharp Reflections

H22

Prof O. Hanssensvei 7, iPark, N-4021 Stavanger, Norway

Tel: +47 51 874 107

Email: info@sharpreflections.com

Website: www.sharpreflections.com

Contact: Adrian Smith

Sharp Reflections' Pre-Stack Pro allows you to reduce uncertainty in your E & P business decisions. We offer software and service solutions which analyse, condition and interpret full fidelity pre-stack seismic gathers in a single, fast, interactive environment. Using local high performance computing or fully enabled SaaS on the Cloud with AWS, we provide almost limitless scalability to ensure you do not compromise on your data quality and quantity. See the impact of processing parameterisation on your end QI products in real time, so you can do it once and do it right. For post-migration processing, interpretation, inversion and azimuthal analysis, we are the sharpest tool in the box.

Shearwater GeoServices Ltd

E12

77 Mount Ephraim, Brockbourne House, Tunbridge Wells, Kent TN4 8BS, UK

Tel: 01892 701 000

Fax: 01892 701 000

Email: sales@shearwatergeo.com

Website: www.shearwatergeo.com

Contact: Jo Hutchinson

Shearwater's modern fleet, expert imaging teams and innovative software combine to offer exceptional results. The powerful fleet, complete with modern technology, is manned by experienced crews working efficiently in all operating conditions. Our processing and imaging department provides agile and responsive teams, giving you high quality data rapidly to reduce costs and build in flexibility at the heart of your project. The Shearwater intuitive software solution, Reveal, is a full processing software that can scale to run from a laptop in the field through to the largest data centre. It is modern, powerful and extensible, perfect for all demanding seismic data analysis.

Sound Oceanics

H1

For more information, please visit our stand.

Specpartners Ltd

CC7

14 Caves Lane, Bedford, Beds MK40 3DR, UK

Tel: 0123 435 3887

Email: gfr@specpartners.net

Website: www.specpartners.net

Contact: Glyn Roberts / Trond Christoffersen

The business concept of Spec Partners is to be a catalyst and an organiser of geophysical multi client programs worldwide. Our partners in this endeavour are the governments, the oil companies and the contractors. Our projects are developed with extensive G&G knowledge and E&P experience, together with an in depth understanding of the legislative, political and economic environment. The goal is a win-win for our partners and ourselves. We strongly believe and have a proven track record we can produce quality projects in all major exploration regions of the world. We are currently working on our own surveys and with partner lead surveys in the Far East, East Africa, Mexico and the Caribbean.

Spectra-Map Ltd

H15

U33 Wheatley Business Centre, Wheatley, Oxford, Oxon OX33 1XW, UK

Tel: 01865 876 229

Email: enquiries@spectra-map.co.uk

Website: www.spectra-map.co.uk

Contact: Richard Williams

Spectra-Map provides unique mineral analysis services to the O&G sector, using visible and infrared reflectance imaging spectroscopy (IRS). IRS identifies a range of minerals including all clay polytypes, carbonates and sulphates, as well as solid and liquid hydrocarbons. It is well suited to analysis of cores, cuttings and plugs, generating continuous high density mineral data without sample preparation or damage. Imaging provides the ability to see spatial relationships between different minerals and oils. The company is investing heavily in other spectroscopy techniques, to provide comprehensive non-destructive whole rock mineralogy on sub millimetre to metre scales.

Spectrum

E10

Dukes Court, Dukes Street, Woking, Surrey GU21 5BH, UK

Tel: +44 1483 730201

Fax: +44 1483 762620

Email: mc-uk@spectrumgeo.com

Website: www.spectrumgeo.com

Contact: Ian Setterfield

With an unparalleled blend of world-class geological and geophysical insight, ambitious new 3D seismic acquisition programs and the world's largest 2D marine Multi-Client seismic library, Spectrum make the ideal partner for your next Exploration Journey.

Target Energy Solutions

E32

Dukes Court, Duke Street, Woking, Surrey GU52 7QL, UK

Tel: 01483 762 816

Email: matthias.hartung@target-energysolutions.com

Website: <http://www.target-energysolutions.com>

Contact: Matthias Hartung

TARGET is an international technology and services company focused on delivering digital transformation solutions to data-driven industries. We work with a broad range of clients from policy makers, regulators, service providers and operators, to financial institutions and investors across a variety of industrial sectors. Whilst TARGET's core business has its origins in the upstream oil and gas sector, our technology solutions are scalable, expandable and portable across other extractive industries. TARGET partners with businesses of all sizes to accelerate their digital transformation strategy. The MEERA Agile, Trusted-Data Platform enables them to migrate rapidly from proprietary data silos, to an open, standards-based integrated data platform.

Task Fronterra Geoscience

H4

Unit F, Kettock Lodge, Campus 2,
Aberdeen Innovation Park, Balgownie Drive,
Bridge of Don, Aberdeen, Aberdeenshire
AB22 8GU, UK

Website: www.taskfronterra.com

Contact: Dan Broadhead



Task Fronterra Geoscience is an independent geological consultancy providing data processing, borehole image interpretation and reservoir modelling services to major operators in the oil and gas industry. Specialising in the use of borehole imaging and core integration, Task Fronterra helps improve client understanding of oil and gas reservoirs through the analysis of the well-bore geology. Geoscience analysis and interpretation is key to understanding oil and gas reservoirs, which in turn is critical in making extremely valuable decisions on how best to maximise the returns from exploration and production activity. Task Fronterra has offices in Aberdeen, Perth Australia and Houston.

TEEC GmbH

D30

Burgwedeler Str. 89, D-30916 Isernhagen, Lower Saxony, Germany

Tel: +49 5117 2404 52

Fax: +49 5117 2404 65

Email: info@teec.de

Website: www.teec.de

TEEC provides advanced geophysical and geological processing and interpretation techniques for the E & P industry, such as 2D/3D/4D. Seismic data processing of land/marine data in time and depth domain, AVO processing, acoustic/elastic inversion, coherency processing and neural network facies classification. TEEC is the industry leader in CRS technology. This seismic processing technology provides superior imaging of steeply dipping events and an overall improvement of signal to noiseratio. Typical applications are the reprocessing of vintage data or merging of 3D data sets. CRS gathers are being used as input for advanced prestack migration routines.

TerraScan GmbH

G8

Allee der Kosmonauten 32C, D-12681 Berlin, Germany

Tel: +49 3023 3945 27

Fax: +49 3023 3945 25

Email: info@terra-scan.com

Website: www.terra-scan.com

Contact: Jörg Enge

TerraScan is a satellite remote sensing company specialising in the provision of highly sophisticated proprietary passive technology to the petroleum and mining exploration industries, for predicting the locations and host structures of hydrocarbons and mineral resources and displayed as depth profiles and maps in a manner similar to 3D seismic.

TGS

J6

10451 Clay Road, Houston, Texas 77041, USA

Tel: +1 713 860 2100

Email: marketing.events@tgs.com

Website: www.tgs.com

Contact: Danielle Landry

TGS is the world's leading geoscience data company, known for its asset-light, multi-client business model and global data library. TGS employs approximately 600 employees and has its corporate headquarters in Asker, Norway and its operational headquarters in Houston, Texas, USA. The company's other main offices are in Calgary, London and Perth, with employees located in other cities around the globe. The company's stock is traded on the Oslo Stock Exchange as part of OBX Index (25 most liquid shares at the OSE) with a market capitalisation of approximately \$2.4 billion (December 2017). TGS' primary business is to provide geoscience data to energy companies worldwide.

The Geological Society of London

G6

Burlington House, Piccadilly, London W1J 0BG, UK

Tel: 020 7434 9944

Email: hello@geolsoc.org.uk

Website: www.geolsoc.org.uk

Contact: Jenny Blythe

The Geological Society of London is a learned society and professional body for geosciences providing a wide range of professional and scientific support to its 12,000 fellows. As well as boasting one of the most important geological libraries in the world, the Geological Society is a global leader in Earth science publishing, and is renowned for its cutting edge science meetings.

Troika International Ltd

C22

ErIDGE House, Coach & Horses Passage, Tunbridge Wells, Kent TN2 5NP, UK

Tel: 01892 616 060

Email: info@troika-int.com

Website: www.troika-int.com

Contact: Carrie Clarke

Troika, a leading provider of seismic data management software, has developed tools to maximise the efficiency and speed of automated trawling and analysis of contents and quality of online seismic libraries. Troika enables competitive advantage by helping to future-proof seismic data repositories, delivering fast access to the right data. Come by for a demo and any questions on how to automate workflows to better suit your needs.

University of Derby

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Our MSc Applied Petroleum Geoscience combines academic and practical teaching to prepare you for, or further, your career in the petroleum industry. Our experienced teaching team and accreditation by The Geological Society reflects our industry expertise helping you to raise your profile as a skilled, versatile petroleum geologist.

University of Leeds

UF20

School of Earth and Environment, University of Leeds, Leeds LS2 9JT, UK

Tel: 0113 343 2846

Fax: 0113 343 5259

Email: enquiries@see.leeds.ac.uk

Website: www.leeds.ac.uk

The School of Earth and Environment at the University of Leeds has an excellent reputation for world-class research and innovative teaching. We are one of the Top 5 UK Universities (alongside Oxford, Cambridge, Bristol and Imperial) for Earth Sciences (top 15 in the world) - QS World University Rankings 2018. We have one of the largest and longest-running ranges of Earth Science vocational MSc courses in the UK, all with excellent links to industry. The Institute for Applied Geoscience, within the School, researches fundamental geoscience with application and impact towards energy, environmental, industrial and infrastructural problems.

University of Liverpool

UF25

Liverpool University, Department of Earth Ocean and Ecological Sciences, 4 Brownlow Street, Liverpool, L18 1LX

Tel: 0151 794 5184

Email: r.worden@liv.ac.uk

Contact: Professor Richard Worden

At the University of Liverpool we have a fresh and industry-focussed MSc in Petroleum Reservoir Geoscience, (started 2015) that has had graduates taken up by large and small oil and consultancy companies. We work with many relevant seismic, well log and core datasets and software applications. We also have much ongoing oil and gas industry-relevant research including reservoir quality prediction, CCS storage domain.

University of Southampton

UF6

Ocean and Earth Science, National Oceanography Centre, European Way, Southampton, Hampshire SO14 3ZH, UK

Tel: 023 8059 5000

Fax: 023 8059 3131

Website: www.southampton.ac.uk/oes/index.page

Contact: Steve Roberts

Ocean and Earth Science (OES) at the University of Southampton is a world leading research led institution based at the prestigious National Oceanography Centre Southampton (NOCS). NOCS is the integrated collaboration between the Southampton-based part of the Natural Environment Research Council's National Oceanography Centre, and the University of Southampton's Ocean and Earth Science. The Centre hosts one of the world's largest and highest quality groups of scientists and engineers devoted to research, teaching and technology development in ocean and Earth science. We offer a range of degree programmes including Geophysics, Geology, Oceanography and Marine Biology.

VRGS / The University of Manchester

F32

48 Grafton Street, Manchester M13 9XX, UK

Tel: 0161 606 7213

Email: edward.maughfling@umip.com

Website: www.vrgeoscience.com

Contact: Dr Edward Maughfling

VRGS is a software tool that enables the processing, interpretation and modelling of LiDAR and other digital outcrop data types in 3D. We offer flexible licensing options for industry, consultancies and research institutions at www.click2go.umip.com/i/s_w/vrgs.html.

WesternGeco

F12

Schlumberger House, Buckingham Gate, Gatwick, West Sussex RH6 0NZ, UK

Tel: 01293 556 533

Email: eafmc@slb.com

Website: www.slb.com

Contact: Matthew Masham

From de-risking prospects to optimising reservoir monitoring, WesternGeco has the geophysical expertise, seismic data and digital capabilities to get to first oil faster and maximise your recoveries. Our world-leading multiclient library covers a wide range of basins, giving you access to critical subsurface insights and collaborative solutions via a secure portal. In addition, we offer a range of software and plug-ins that streamline your processes and enhance your subsurface insights. Our team of geophysical and interpretation experts work with you to develop a custom, integrated geophysical solution using the knowledge and the computing capabilities to accelerate your discovery process.

Westwood Global Energy Group

D2

9a Plaza Gardens, London SW15 2DT, UK

Tel: 020 3794 5380

Email: press@flourishpr.co.uk

Website: www.westwoodenergy.com

Contact: Flourish PR Ltd

Delivering independent information, research, and consulting services for the global energy market. Westwood Global Energy Group has been built as a new market leading brand in business intelligence and market analytics for the oil and gas industry, through a combination of organic investment and targeted acquisitions. As a new leading brand in the business intelligence and market analytics space, Westwood Global Energy Group will continue to invest in and enhance independent data, research, and consulting services for global energy companies and associated financial and oilfield services markets.

Wood Mackenzie

G22

1 Finsbury Square, London EC2A 1AE, UK

Tel: 020 3060 0400

Email: contactus@woodmac.com

Website: www.woodmac.com

Evaluating drilling opportunities means understanding value, knowing the risks, and examining play performance. Why reconcile multiple data sets when we offer integrated solutions? Our subsurface solutions deliver integrated data sets, analytical capabilities and published analysis companies need to make informed, data-driven decisions. With technical, commercial and valuation data covering licenses, wells and fields throughout their lifecycles, analysts can benchmark operational activity, reservoir delivery, and production performance management faster. Expedite decision-making as your exploration strategy matures, from basin screening to asset acquisition, through to field production.

Xodus Group

G34

Cheapside House, 138 Cheapside, London EC2V 6BJ, UK

Tel: 020 7246 2990

Fax: 020 7246 2999

Email: info@xodusgroup.com

Website: www.xodusgroup.com

Contact: Andrew O'Connell

Xodus Group is an integrated oil and gas consultancy with offices in London, Aberdeen and around the globe. We provide subsurface and engineering solutions across the full E&P lifecycle, from exploration of frontier licences through appraisal and development, to rejuvenation of mature assets and decommissioning. Our subsurface team has a wide range of experience gained through working in NOCs, IOCs, major service companies, small exploration companies and consultancy. We work with clients on exploration and development projects from small studies to providing fully integrated exploration and field development teams.

Xray Mineral Services

H16

1 Cloughton Road, Colwyn Bay LL29 7EF, UK

Tel: 01492 535 250

Fax: 01492 536 463

Email: joanna@xrayminerals.co.uk

Website: www.xrayminerals.co.uk

Contact: Joanna Jones

X-ray Mineral Services Ltd is an independent company established in 1997 to provide a high quality x-ray diffraction (XRD) and x-ray fluorescence (XRF) analytical services. We have a fully equipped laboratory in the UK and offer confidential, comprehensive and efficient XRD and XRF analyses at a competitive price using fully trained and experienced personnel. The company has expanded rapidly over the last 21 years and now provides exclusive analytical services to a substantial number of petroleum service companies and oil companies. Geographical experience over this period has included projects from numerous global areas of petroleum exploration and production.

Young Professionals Summit

L30

UK

Contact: Lauren Braidwood

The Young Professionals Summit addresses the unique challenges currently faced by early career professionals in the energy industry. By collaborating together, the American Association of Petroleum Geologists (European Region), the European Association of Geoscientists and Engineers, the Petroleum Exploration Society of Great Britain and the Society of Petroleum Engineers are working together to support and celebrate our YPs, and that of the wider industry.

Zebra Data Sciences

H10

East Malling Business Centre, New Road, East Malling, Kent ME19 6BJ, UK

Tel: 01732 220 058**Email:** info@zebradata.com**Website:** www.zebradata.com**Contact:** Jan Chmielewski

Zebra Data is a leading global service provider for the management, divestment and licensing of hydrocarbon exploration and production assets. Our expertise enables us to provide unique services to assist O&G company farm-ins/farm-outs, support government/NOC license rounds, and promote industry G&G data. We do so via our renowned HydrocarbonAssets™ marketing and EzDataRoom® showcasing services portfolio. Brand new. Our EzDataRoom® web service now includes the new GeoReality™ three-dimensional subsurface model that will revolutionise the way your data can be presented. Come and see it on our stand.



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