

100 Years of Science Fueling 100 Years of Prosperity



AAPG | SEG

International Conference
& Exhibition **2017**

15-18 October
ExCeL, London

Technical Program & Registration Announcement Sponsored by:



ICEevent.org

**TECHNICAL PROGRAM &
REGISTRATION ANNOUNCEMENT**

Sponsors

Diamond



Conference Abstracts Digital Library, Directional Signage,
MSc Student Conference Fees, Student Participation in
Field Trips/Short Courses, Technical Program & Registration
Announcement, Young Professionals Meet & Greet

Platinum



Registration, MSc Student Conference Fees, Student
Participation in Field Trips/Short Courses, Student
Attendance and Travel/Accommodations Assistance

Gold



General Fund



Icebreaker Bar, Program Book

Silver



Badge Lanyards

Patron



Student Attendance and Travel/
Accommodations Assistance

Media



Table of Contents

Committee	4	Technical Program by Day	20
Schedule at a Glance	6	Students	42
Highlights	7	Young Professionals	43
Networking	11	Exhibition and Sponsorship	43
Field Trips	12	How to Register	44
Short Courses	15	Where to Stay	45
Oral Sessions at a Glance	16	How to Get Around	46
Poster Sessions at a Glance	18		

Letter from the Chairs

On behalf of AAPG and SEG, it is our pleasure to invite you to the 2017 International Conference and Exhibition (ICE) at ExCeL London, 15–18 October 2017. It is a privilege to host the ICE 2017 in London during this, the Centennial Year of AAPG, and the conference theme of '100 Years of Science Fueling 100 Years of Prosperity' is particularly fitting for this prestigious 100th Anniversary event. During the conference, we will revisit key milestones from our industry's past, discuss the current competitive environment, and share what we know about the technologies and opportunities that will drive exploration and production into the future.

In 1917, when AAPG was founded, our world, and our industry, was very different, but the original purpose of AAPG to foster scientific research, to advance the science of geology, to promote technology, and to inspire professional conduct, still guides the Association today. The ICE 2017 in London will gather geologists, geophysicists, and other petroleum industry professionals from countries around the world to build their knowledge and their skills, to discover technology innovations, and to network with their peers. The opportunity to learn, collaborate, network, and engage with industry peers and experts has always been a differentiating characteristic of both AAPG and SEG. The collective reach of both societies is in excess of 65,000 professional and student members worldwide, so the ICE 2017 provides an opportunity to serve the needs of the entire global geosciences community.

Despite the changing global environment of our industry, the pursuit of excellence and learning in the subsurface geosciences remains critical if we are to meet the challenges that changes in commodity price, cost structures, and supply/demand balances place upon us. With more than 1,600 abstracts submitted for the conference – an all-time record for an ICE – the Technical Programme Committee has developed an outstanding programme of oral and poster presentations. The Technical Programme is focused around 12 core themes, ranging from Deepwater Exploration & Production to Unconventional Exploration & Production, from New and Emerging Basins to Mature Basins, the Integration of Geophysics and Geology, and from Petroleum Systems to Traps and Reservoirs. Other themes include Polar Petroleum Potential, the History of Petroleum Exploration, and Health, Safety, Security and the Environment. There will also be special sessions covering 100 Years of Global Exploration, Geoenery Resources and, of course, the legendary 'Discovery

Thinking' session. Robust business and regulatory forums, field trips, short courses, and special programs for students and young professionals will augment the exceptional technical programme.

World-class events like ICE are only possible thanks to the financial backing and content contributions of companies, the commitment of the AAPG and SEG staff, and the efforts of a large number of dedicated volunteers. Strong support from both industry and academia ensures vigorous scientific exchange, diverse short courses and field trips, state-of-the-art product displays, and networking activities that promote an educational and collaborative atmosphere. At ICE London, you will gain exposure to some of the most innovative and extensive technologies necessary for our industry to overcome the challenges we will face in exploration, development, and production in the future.

On behalf of the Organizing Committee, we invite you to come to London (just possibly the greatest city in the world!) to celebrate the 100th Anniversary of AAPG and to be part of the industry's leading global geosciences conference of the year.

Sincerely,

Gabor Tari Ph.D.

General Co-Chair

Group Chief Geologist, OMV Exploration and Production GmbH

Ken McClay

General Co-Chair

Professor, Fault Dynamics Research Group, Department of Earth Sciences, Royal Holloway University of London

Jonathan Craig

Honorary Chair

*Senior Vice President, Exploration Strategies & Professional Areas
Eni Upstream & Technical Services*



Gabor Tari



Ken McClay



Jonathan Craig

Organizing Committee

General Co-Chair, Gabor Tari Ph.D., Group Chief Geologist, OMV Exploration and Production GmbH

General Co-Chair, Ken McClay, Professor, Fault Dynamics Research Group, Department of Earth Sciences, Royal Holloway University of London

Honorary Chair, Jonathan Craig, Senior Vice President, Exploration Strategies & Professional Areas Eni Upstream & Technical Services

General Vice Co-Chair, Fiona MacAulay, Chief Operating Officer, Rockhopper Exploration PLC

General Vice Co-Chair, Sa'id Al-Hajri, Manager of Exploration Technical Services Department, Saudi Aramco

Technical Program Co-Chair, Mike Simmons, Technology Fellow for Geosciences, Halliburton

Technical Program Co-Chair, Dr. Andy Whitham, CASP

Technical Program Co-Chair, Helen Cromie, Senior Geologist, Maersk Oil

Sponsorship Co-Chair, Victor Vega, Exploration Business Development Manager, Shell

Sponsorship Co-Chair, Mike Daly, Professor, Department of Earth Sciences, The University of Oxford

Executive Panel Session Chair, Pinar Yilmaz, Advisor, External Upstream Projects, ExxonMobil Exploration Company

Judging Co-Chair, Neil Hodgson, Executive Vice President, Spectrum Multi-Client UK

Judging Co-Chair, Lucy Williams, Geoscience Manager, Rockhopper Exploration PLC

Student Activities Co-Chair, Andrew Zolnai, Consultant

Student Activities Co-Chair, János Csizmeg, Geoscientist, Vermilion Energy

Student Activities Co-Chair, Andrei George Panaiotu, Junior Reservoir Geologist, OMV Petrom

Young Professionals Activities Co-Chair, Myriam Cuylaerts, Geophysicist, BP

Young Professionals Activities Co-Chair, Maxim Kotenev, Senior Geoscientist, Sasol

Short Courses Co-Chair, Richard Chuchla, Director, Energy & Earth Resources Graduate Program, Jackson School of Geosciences: University of Texas-Austin

Short Courses Co-Chair, Henk Jaap Kloosterman, Global Learning Manager Subsurface and R&D, Shell Global Solutions International B.V.

Field Trips Co-Chair, Dr. Nicola Scarselli, Deputy Director, M.Sc. Petroleum Geoscience, Department of Earth Sciences, Royal Holloway University of London

Field Trips Co-Chair, Alastair J. Fraser, EGI Chair in Petroleum Geoscience, Department of Earth Science and Engineering, Imperial College



Gabor Tari



Ken McClay



Jonathan Craig



Fiona MacAulay



Sa'id Al-Hajri



Mike Simmons



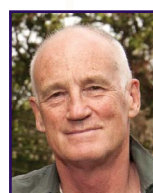
Andy Whitham



Helen Cromie



Victor Vega



Mike Daly



Pinar Yilmaz



Neil Hodgson



Lucy Williams



Andrew Zolnai



János Csizmeg



Andrei Panaiotu



Myriam Cuylaerts



Maxim Kotenev



Richard Chuchla



Henk Jaap Kloosterman



Nicola Scarselli



Alastair Fraser

Technical Program Theme Chairs

Theme 1: 100 Years of Global Exploration – Regional Geoscience

Bill Bosworth, Apache Egypt
Fiona MacAulay, Rockhopper Exploration PLC
Peter Grant, Consultant
Peter Lloyd, Consultant
Robert Kuchinski, Weatherford
Sarah Laird, Halliburton
Victor Vega, Shell Exploration and Production Company

Theme 2: Polar Petroleum Potential (3P)

David Houseknecht, USGS
Edward Fleming, CASP
John Hogg, Skybattle Resources
Michael Enachescu, Euxinic Exploration
Sergey Drachev, ArcGeoLink Ltd.

Theme 3: Exploration and Production in Mature Basins

Friso Veenstra, TNO
Gary Hampson, Imperial College London
Maxim Kotenev, Sasol

Theme 4: New and Emerging Exploration Basins

Jasper Peijs, BP
Mark Ireland, BP
Mike Lakin, Envoi
Neil Frewin, Shell Exploration and Production Company
Toby Garwood, Premier Oil

Theme 5: Deepwater Exploration and Production

Joan Flinch, Repsol
Nick Lagrilliere, Maersk Oil
Paul Weimer, University of Colorado

Theme 6: Integration of Geophysics With Geology

Jim Gharib, Fugro
Karen Lythgoe, BP
Roman Spitzer, OMV
Sami Alsaadan, Saudi Aramco

Theme 7: Reservoirs – Siliciclastic, Carbonate and Mixed

Jonathan Redfern, University of Manchester
Lawrie Cowley, Halliburton
Mike Simmons, Halliburton
Raffaele Di Cuia, GEPlan Consulting

Theme 8: Unconventional Exploration and Production

Ahmed Hakami, Saudi Aramco
Al Fraser, Imperial College London
Andrew Aplin, Durham University
Konstantin Chebotar, BP
Mike Stephenson, British Geological Survey

Theme 9: Traps and Structural Geology

Chris Jackson, Imperial College London
Christina Von Nicolai, BP
Giovanni Bertotti, Delft University of Technology
Jonathan Imber, Durham University
Jose de Vera, Shell Exploration and Production Company
Ken McClay, Royal Holloway, University of London

Theme 10: Petroleum Systems and Basin Modeling

Claudia Bertoni, University of Oxford
Jan Mayer, OMV
Reinhard Sachsenhofer, Montanuniversität Leoben
Remi Eschard, Total
Sebastian Lünig, Galp Energia

Theme 11: Health, Safety, Security and Environment

Gary Ingram, OMV
Kate Pickard, BP
Matt Jameson, Glencore
Saleh Al Maghlouth, Saudi Aramco

Theme 12: History of Petroleum Exploration

Ili Afifuddin, Crystol Energy
Jonathan Craig, Eni Upstream & Technical Services
Piotr Krzywicz, Polish Academy of Sciences

Special Session: Anthropogenic Earth Movements

Andrew Sowter, Geomatic Ventures
Jon Gluyas, Durham University

Special Session: Discovery Thinking

Charles Sternbach, Star Creek Energy Company
Jonathan Craig, Eni Upstream & Technical Services
Paul Weimer, University of Colorado

Special Session: The Future of Oil and Gas E&P Technology

Aisha Al-Bulushi, Petroleum Development Oman
Myriam Cuylaerts, BP
Susan Nash, AAPG

Special Session: The Next Generation – Students and Young Professionals

Andrew Zolnai, Consultant
Edyta Frankowicz, Shell Exploration and Production Company
János Csiszmege, Vermilion Energy

Special Session: Women and Diversity in Geoscience

Aisha Al-Bulushi, Petroleum Development Oman
Gretchen Gillis, Aramco Services Company
Ili Afifuddin, Crystol Energy
Linda Lerchbaumer, OMV
Susan Nash, AAPG

Technical Program Co-Chairs

Andy Whitham, CASP
Helen Cromie, Maersk Oil
Mike Simmons, Halliburton



Andy Whitham



Helen Cromie



Mike Simmons

Schedule at a Glance

* Subject to change. Visit ICEevent.org for updates.

Saturday, 14 October

08:00–17:00	Registration
08:00–17:00	Pre-Conference Short Course 1: Applied Biostratigraphy (AAPG)
08:00–17:00	Pre-Conference Short Course 2 (Day One): The Petroleum Industry in the Next Decade (AAPG)
08:00–17:00	Pre-Conference Short Course 3 (Day One): Advanced Sequence Stratigraphy for E&P Professionals (SEPM)
08:00–17:00	Pre-Conference Short Course 4 (Day One): Basin and Petroleum System Modeling in Conventional and Unconventional Petroleum Exploration (AAPG)
08:00–17:00	Post-Conference Short Course 5 (Day One): Fundamentals of Salt Tectonics (AAPG)

Sunday, 15 October

07:30–17:30	Registration
08:00–12:00	Pre-Conference Short Course 2 (Day Two): The Petroleum Industry in the Next Decade (AAPG)
08:00–16:00	Pre-Conference Short Course 3 (Day Two): Advanced Sequence Stratigraphy for E&P Professionals (SEPM)
08:00–17:00	Pre-Conference Short Course 4 (Day Two): Basin and Petroleum System Modeling in Conventional and Unconventional Petroleum Exploration (AAPG)
08:00–17:00	Post-Conference Short Course 5 (Day Two): Fundamentals of Salt Tectonics (AAPG)
08:00–17:00	Pre-Conference Short Course 6: Data Science and Deep Learning in Exploration and Production (AAPG)
16:00–17:00	Young Professionals Meet & Greet
17:00–18:30	Opening Ceremony
18:30–20:00	Exhibition and Icebreaker Reception

Monday, 16 October

08:00–18:00	Registration
08:55–10:25	Executive Plenary: 100 Years of Science Fueling 100 Years of Prosperity
09:00–13:30	Poster Sessions
09:00–18:30	Exhibition
10:15–11:15	Refreshment Break
10:55–12:30	Oral Sessions
10:55–12:30	Special Session: The Bottom-Line Benefits of Diversity

13:55–15:30	Special Session: Earth Movements
13:55–17:30	Oral Sessions
13:55–17:30	Discovery Thinking Forum: Significant New Discoveries, New Frontiers
14:00–18:30	Poster Sessions
15:15–16:15	Refreshment Break
16:10–17:30	Special Session: The Next Generation: Students and Young Professionals
17:30–18:30	End-of-Day Reception
19:00–20:00	Student Reception

Tuesday, 17 October

08:00–18:00	Registration
08:55–12:30	Oral Sessions
08:55–12:30	Special Session: Landmark Discoveries of the Last 100 Years
09:00–13:30	Poster Sessions
09:00–18:30	Exhibition
10:15–11:15	Refreshment Break
13:55–17:30	Oral Sessions
14:00–18:30	Poster Sessions
15:15–16:15	Refreshment Break
16:10–18:30	Open Panel Discussion: Leadership: Technically-Adept and Business-Savvy in the Petroleum Industry
17:30–18:30	End-of-Day Reception

Wednesday, 18 October

08:00–14:00	Registration
08:55–12:30	Oral Sessions
09:00–13:30	Poster Sessions
09:00–14:00	Exhibition
10:15–11:15	Refreshment Break
12:30–14:00	Exhibitor-Sponsored Luncheon
13:55–17:30	Oral Sessions
13:55–17:30	Special Session: The Future of Oil and Gas E&P Technology

Please see page 12 for the complete list and schedule of Field Trips.

Highlights

Opening Ceremony

Date: Sunday, 15 October

Time: 17:00–18:30

Fee: Included with registration

Join us for an exciting and entertaining introduction to the ICE 2017 London with a spectacular opening ceremony.

The Opening Ceremony will begin with welcome remarks from the General Co-Chairs, Gabor Tari, Chief Geologist, OMV; Ken McClay, Royal Holloway and AAPG President, Charles Sternbach, President, Star Creek Energy.

AAPG Europe Region President, Fiona MacAulay will be presenting the AAPG Europe Awards recognizing outstanding contributions and achievements in the geosciences industry. Awards to be presented include: Outstanding Explorer Award, Distinguished Educator Award, Outstanding Research Award and the Public Service Award.

Keynote addresses from Honorary Chair, Jonathan Craig, Senior Vice President, Exploration, Eni Upstream & Technical Services; Kirsten L. Siebach, Stony Brook University, Mars Sedimentology; and Lord John Browne will follow the awards presentations.

Upon conclusion of the Opening Ceremony, please make your way to the Exhibition where we will open with the Icebreaker Reception. It's a great opportunity to network with colleagues and get a first glance at the exhibitors for this year's ICE.

Executive Plenary: 100 Years of Science Fueling 100 Years of Prosperity

Date: Monday, 16 October

Time: 08:55–10:25

Fee: Included with registration

Chair: P. O. Yilmaz

Our industry continues to make new oil and gas discoveries using advanced technologies and improved processes – enabling us to go deeper, more quickly, more accurately, and more safely than ever before. To do so, we must manage the uncertainty of geopolitical risks, economic risks, financial risks, geologic risks, project risks, policy risks, regulatory changes, and the supply and demand volatility inherent to commodity markets. The challenge is to develop cost-effective and environmentally friendly technologies that tackle issues such as seismic imaging advances, hydrocarbon phase prediction, complex reservoirs, rock mechanics, reservoir management, and production forecasting to improve the industry's ability to predict. With nearly 1.3 billion people lacking access to electricity and 2.6 billion people relying on biomass for their domestic cooking and heating needs, how can the oil and gas industry play a role and make a difference by using its strength as a technology and innovation leader in the energy sector?

Invited Speakers:

- Mike Cousins, Executive Vice President, ExxonMobil Exploration Company
- Adif Zulkifli, Senior Vice President, Petronas
- Ibraheem Assaad, Vice President Exploration, Saudi Aramco

- Luca Bertelli, Chief Exploration Officer, Eni Upstream & Technical Services
- Mario Carminatti, Exploration Manager, Petrobras

Discovery Thinking Forum: Significant New Discoveries, New Frontiers

Date: Monday, 16 October

Time: 13:55–17:30

Fee: Included with registration

Co-Chairs: C. Sternbach, P. Weimer, and J. Craig

The London Discovery Thinking Forum will be the 19th presentation of the AAPG 100th Anniversary Committee's program recognizing "100 Who Made a Difference." These Forums, co-sponsored by AAPG's Division of Professional Affairs (DPA), will feature invited speakers who will describe major and significant discoveries.

A special tribute "Lessons in Exploration Creativity From a Decade of Discovery Thinking Forums" will start the program. We will feature a few brief look-back vignettes of representative landmark discoveries featured in Discovery Thinking Forums over the past decade. As a tribute to the accomplishments of more than 100 extraordinary men and women who have participated in these forums, we will celebrate their successes and recall key lessons relevant to explorers today and in the future.

Each speaker and their colleagues overcame significant business, technical, and professional challenges. Topics to be discussed will include philosophy of exploration, stories from remarkable careers, professional insights, colorful anecdotes, and lessons learned on the path to success. As technology advances and younger geoscientists enter our profession, the organizers see continued interest in forums such as these. These forums provide a venue for explorers to discuss the personal side of success and what has been called the "art of exploration." As always, the audience is fortunate to hear the speakers share abundant technical data and insights derived from costly and hard won experience.

AAPG offers many technical sessions. Discovery Thinking forums fill an important gap in how technical and professional skills combine to turn prospects into discoveries.

This year, AAPG is pleased to present **Significant New Discoveries, New Frontiers**. London is a headquarters of many global exploration companies and a great venue to celebrate significant game-changing discoveries in Africa and the Arctic.

- **Lessons in Exploration Creativity From a Decade of Discovery Thinking Forums:** Charles Sternbach, President, Star Creek Energy
- **Goliath Discovery – A Knowledge-Based Approach and Persistence, and the First Commercial Oil Development in the Norwegian Arctic:** Filippas Tsikalas, Adjunct Professor Delineation Projects & Stranded Discoveries Valorisation Manager, Eni Norge
- **Zohr Giant Gas Discovery – A Paradigm Shift in Nile Delta and East Mediterranean Exploration:** Andrea Cozzi, Vice President, Geology & Geophysics Studies, Eni Upstream & Technical Services

Highlights

- **The Senegal Discoveries and How Two New Plays Were Opened in North West Africa**, John Clayburn, Head of Exploration Cairn Energy PLC
- **East African Rift Basins: A New Oil Province Heads Towards Production**: Kevin Christopherson, East Africa Exploration Manager, Tullow Oil

AAPG Europe Awards 2017

Nominations are sought for four awards that will be presented at the opening ceremony at ICE London on 15 October. Please review the criteria for each award and note that these awards are open to both AAPG members and non-members. Recipients must be living at the time of selection and willing to be present to accept the award at ICE on Sunday, 15 October 2017.

For more information or nomination instructions, please contact: mdiaz@aapg.org.

AAPG Europe – Explorer of the Year

This Award is given in recognition of outstanding contributions to the exploration for energy resources by individuals or teams with emphasis on a recent discovery (last five years). Candidates shall be individual explorers or leaders of teams who have:

- Discovered a significant energy resource, or
- Caused a significant energy resource to be developed, or
- Created a new significant play to be developed in a new or mature basin, or
- Caused a new energy resource province to be opened up, or
- Been part of a team discovering a significant energy resource, or
- Accomplished earth science exploration which can be demonstrated to be responsible for the discovery of a significant energy resource.

AAPG Europe – Educator of the Year

This award is given in recognition of outstanding contributions to geological education in the energy sector. Contributions leading to consideration for this award will involve the teaching and counseling of students at university level, contributions to the education of the public, and management of educational programs may also be recognized. Consideration should emphasize contributions to the teaching of students, guidance of student research, research and scientific publications, university and community activities, and involvement in the activities of scientific/professional organizations.

AAPG Europe – Energy Geoscience Research Award

This award is given in recognition of a singular achievement in energy geoscience research. Candidates should have distinguished themselves with one or more advancements in the field of energy geoscience. The advancement(s) could be in the form of; proving, developing or advancing a theory; demonstrating a new approach to solving a problem; developing a new methodology or technology; application of existing theories, concept approaches, methodology or technology to increased exploration or production of energy resources.

AAPG Europe – Public Service Award

This award is given to recognize contributions by individuals to public affairs and to encouraging geoscientists to take a more active part in such affairs. Contributions are not limited to, but may be in, education of the public, politicians, thought leaders, etc., on the application of geoscience to the general welfare of the community. The field is not restricted to petroleum, but may be in land use, conservation of natural resources, etc.

Closing date for nominations will be 14 July 2017.

Special Sessions

Special Session: The Bottom-Line Benefits of Diversity

Date: Monday, 16 October

Time: 10:55–12:30

Fee: Included with registration

Co-Chairs: G. Gillis, S. Nash, L. Lerchbaumer, I. Afifuddin, and A. Al-Bulushi

We all have individual ways of thinking, different ideas, and unique backgrounds. These can be powerful money-making tools for companies engaged in oil and gas exploration and production – or science-making tools for academic and research organizations – because of the creativity that comes with diversity. This session will focus on ways that organizations can benefit from all forms of diversity.

- **Better Together – The Role of Diversity in Decision Quality:** Liz Schwarze, General Manager Exploration, Africa and Latin America Exploration and Production, Chevron
- **Recognizing and Rewarding Excellence Without Blinkers – A Close-to-Home Case Study:** Christopher A-L Jackson, Statoil Professor of Basin Analysis, Co-Director MSc Petroleum Geoscience (Projects), Basins Research Group (BRG), Department of Earth Science & Engineering, Imperial College London
- **Diversity in Central/Eastern Europe as Seen From Both the Inside and the Outside:** Linda Lerchbaumer, Exploration Geologist, and Chloé Asmar, Geoscientist, OMV Upstream
- **Using New Technologies to Overcome Barriers and Find Enduring Success – My Journey:** Deborah Sacrey, President, Auburn Energy

Highlights

Special Session: Earth Movements

Date: Monday, 16 October

Time: 13:55–15:30

Fee: Included with registration

Co-Chairs: J. Gluyas and A. Sowter

Extract oil from the ground, the Earth moves; inject water into the ground, the Earth moves; mine rock, the Earth moves; impound water, the Earth moves. All of the key primary industrial activities developed by humans in modern society, be they winning of materials for energy, manipulating water resources, accessing resources for the material world, or disposing of waste through injection in the subsurface, have an effect. The Earth may move through creep or suddenly in the form of an induced earthquake. This session will explore the occurrence, measurement, and impact of human induced Earth movements. The four invited speakers have been chosen because they are able to cover the range of activities in this emerging field. The recognition from time to time mines collapse with catastrophic impact is centuries, likely millenias old. But that the same impact can happen from water, oil, and gas abstraction or injection is comparatively new. Virtually all such activity results in some readjustment of the subsurface, a modern observation made possible through the deployment of satellite and other technology.

But how much and what type of movements will society tolerate to keep its high energy consumption, high waste production, material world? Given that we now know consumption of energy, water, and materials has this effect, how will society pay to ameliorate or avoid such effects and what is the role of an insurance industry in this arena? The four speakers will provide information allowing the audience, during the question session, to explore the relationship between our industries and society in terms of Earth movements.

- **A Global Review of Industrially Induced Earthquakes:** Gillian Foulger, Professor of Geophysics, Department of Earth Sciences, Durham University; Co-Authors: Miles P. Wilson, Jon G. Gluyas, and Bruce R. Julian
- **Anthropocene Tectonics – Human Induced Ground Motion:** Stuart Marsh, Professor of Geospatial Engineering, Faculty of Engineering, Nottingham University
- **Effects of Oil and Gas Production and Wastewater Injection on Surface Deformation in North Central Oklahoma:** Alessandro Novellino, Remote Sensing Geoscientist, British Geological Survey; Co-Authors: S. Grebby, A. Sowter, D. Gee, and E. Gilliland
- **A Land Motion Baseline Map for the United Kingdom:** Andy Sowter, Chief Technical Officer, Geomatic Ventures Ltd.; Co-Authors: A. Athab, A. Gee, D. Bhatia, P. Gluyas, and J. Geomatic

Special Session: The Next Generation—Students and Young Professionals

Date: Monday, 16 October

Time: 16:10–17:30

Fee: Included with registration

Co-Chairs: A. Zolnai, J. Csizmeg, and E. Frankowicz

On the 100th Anniversary of the AAPG, particular emphasis has been put on students and young professionals. It not only aligns with reaching out to women and overseas in modernizing the 'grandad' of petroleum associations, but it also aims to support our next generation in a tough and uncertain economic climate. There is a wide variety of topics ranging from deep offshore to shallow onshore and remote sensing. This is a presentation session with a senior and engaging keynote, and there will also be poster sessions where you can interact with speakers one-on-one. Come and see what the next generation has to offer, and feel free to engage with young professionals to encourage them in our petroleum profession. As famous young feminist Emma Watson said at the United Nations: "If not me, who? If not now, when?"

Invited Speakers:

- **Tales of an Ex-Elf - Career Paths for a Petroleum Geologist:** Stuart Harker
- **Diagenesis and Reservoir Quality of Pannonian Lacustrine Deposits in the Makó Trough, Southeastern Hungary:** Emese Szocs
- **The Next Generation: Young Professionals and the AAPG Petroleum Structure and Geomechanics Division:** Richard Wessels
- **Shale Gas Hydraulic Fracturing: Investigating the Impact on Groundwater System:** Chukwuemeka Onaa
- **3-D Fault Inversion and Negative Inversion Architecture, Taranaki Basin, Offshore New Zealand:** Isaac Kenyon

Special Session: Landmark Discoveries of the Last 100 Years

Date: Tuesday, 17 October

Time: 08:55–12:30

Fee: Included with registration

Co-Chairs: F. MacAulay and J. Craig

A focal conference session, the Landmark Discoveries of the Last 100 Years', will provide an overview of the shifting focus of exploration around the globe over the last 100 years and the impact these discoveries had and have on the global oil and gas business.

This special session was developed to illustrate the progression and shift of exploration focus around the globe over the last 100 years.

Each of the speakers has been asked to characterize the evolution of exploration in his region, the key discoveries that opened the province, the key technologies employed at the height of exploration, and where, within the life cycle of a basin or province, the area sits today.

Highlights

- **Keynote:** Andrew Latham, Head of Exploration Research, Wood Mackenzie
- **USA:** Rasoul Sorkhabi, Research Professor, Energy and Geoscience Institute, University of Utah
- **FSU:** Ken Sorensen
- **Middle East:** Sa'ïd Hajri, Manager, Exploration Technical Services, Saudi Aramco
- **North Sea:** John Underhill, Shell Professor of Exploration Geoscience and Chief Scientist, Applied Geoscience Unit, Institute of Petroleum Engineering, Heriot-Watt University
- **South America:** Victor Vega, Exploration Business Development Manager, Shell Exploration and Production Company
- **Africa:** James Painter, President of Exploration and Appraisal, Cobalt International Energy, Inc.
- **Mediterranean:** Matt Warner, Africa New Ventures Manager, BP Exploration
- **Probabilistic Seismic Reservoir Characterization:** Patrick Connolly, Independent Consultant
- **Interactive Processing and Interpretation of Huge Pre-Stack Datasets Using In-Memory Supercomputers:** Bill Shea, Chief Executive Officer, Sharp Reflections
- **Machine Learning and Property Modeling:** Colin Daly, Advisor Reservoir Modeling, Schlumberger
- **Deep Learning in Integrated Geophysical and Geological Reservoir Models Using Structured and Unstructured Data:** Kamal Hami-Eddine, Director of Data Science, Deep Learning, Paradigm
- **The Growing Role of Unmanned Vehicles and Robotics in the Oil Industry:** Hisham Saadawi, SPE Technical Director Production & Facilities, Ringstone Petroleum
- **SAFARI – A Database of Virtual Outcrops and Reservoir Analogs:** Professor John Howell, Chair in Geology & Petroleum Geology, Aberdeen University

Special Session: The Future of Oil and Gas E&P Technology

Date: Wednesday, 18 October

Time: 13:55–17:30

Fee: Included with registration

Co-Chairs: M. Cuylaerts and S. Nash

Technology continues to be a game-changer in oil and gas exploration and production and it is predicted to play an even greater role in the nearby and long-term future. Technology is changing at a fast rate in every industry and the oil & gas industry is no exception. "The Future of Oil and Gas E&P Technology" provides technical discussions and case studies about exciting new applications of technology and new directions in geosciences and engineering. It identifies interdisciplinary new technologies that are having a profound impact on upstream processes and procedures and takes a close look at analytics, new sensing capabilities, robotics, and other innovations. Learning how the new tools can be used to find new reserves and to empower geoscientists is at the heart of this session.

Invited Speakers:

- **How New Technologies Are Changing the Oil and Gas Industry:** John Peak, Vice President Subsurface Technical Centre, Upstream Technology, BP
- **Practical Knowledge Representation for Data Access to Subsurface Data – The Achievements and Potential of Optique Platform:** David Cameron, Executive Manager, SIRIUS Centre, University of Oslo
- **The Virtuous Circle of Information Management in an Industry Focused on Efficiency:** Glenn Mansfield, Director, Flare Solutions
- **Cognitive Computing in Oil & Gas – How AI Technologies Will Change the Way We Work:** Ulisses Mello, Director, IBM Research Brazil

Posters in Room:

- **Recent Developments in the Use of Big Data, Deep Learning, and Artificial Intelligence in Upstream E&P:** Susan Nash, Director of Innovation and Emerging Science / Technology, AAPG
- **3-D Imaging Incorporating Drone-Derived Photogrammetry, Infrared, and Fugitive Gas Sensors:** Thibault Sergent, President, Xamen



Networking Opportunities

Icebreaker Reception

Date: Sunday, 15 October
Time: 18:30–20:00
Fee: Included with registration

Don't miss your chance to come and network with colleagues as well as get the first look at exciting new technologies and services offered by the industry's global exhibitors. Enjoy hors d'oeuvres and beverages while celebrating the opening of the 2017 International Conference and Exhibition in London.

Refreshment Breaks

Date: Monday, 16 October–Wednesday, 18 October
Time: 10:15–11:15 (Monday, Tuesday, and Wednesday)
15:15–16:15 (Monday and Tuesday)
Fee: Included with registration

Attendees are invited to break from technical sessions to enjoy downtime and complimentary refreshments as well as an opportunity to learn from the exhibitors about new trends and product offerings. Coffee and tea breaks will be served in the Exhibition Hall each morning, as well as Monday and Tuesday afternoon.

End-of-Day Receptions

Date: Monday, 16 October–Tuesday, 17 October
Time: 17:30–18:30
Fee: Included with registration

Discuss new knowledge from the day's technical program with industry delegates or pay a social visit to an exhibitor for a giveaway item or sales meeting. This occasion offers a festive atmosphere to share in light snacks and local beverages while wrapping up your day and gathering industry colleagues or friends for a night out in London.

Exhibitor-Sponsored Luncheon

Date: Wednesday, 18 October
Time: 12:30–14:00
Fee: Included with registration

This must-attend, complimentary lunch is generously offered by the international exhibitors who serve the geosciences community. ICE is well known in the industry for bringing together service providers who deliver innovative products and technologies that support oil and gas company executives. Don't miss this last opportunity to have lunch with the exhibitors and find out what you could learn that might change how your company responds to industry challenges in the coming years.

Open Panel Discussion: Leadership: Technically-Adept and Business-Savvy in the Petroleum Industry

Date: Tuesday, 17 October
Time: 16:10–18:30
Organizers: Stephanie Nwoko, AAPG PROWESS and Laurie Whitesell SEG WNC
Moderator: Denise M. Cox, Storm Energy, Ltd.
Fee: US \$30 + 20% VAT

Join successful Women in Geosciences for an open discussion on leadership traits for dynamic careers in the petroleum industry. An understanding of current academic research and new technology within a business framework can help geoscientists more effectively communicate their ideas and lead multidisciplinary teams. Technically adept and business savvy leadership is critical for today's geoscientist as technology is applied to new play concepts, development of existing fields, and re-development of mature reservoirs. After the panel discussion, stay for the reception to network with geoscience researchers, petroleum technology experts, and industry leaders to enrich your portfolio of connections.

Field Trips

Visit ICEEvent.org for Detailed Information

	Title	Leader(s)	Dates/Times	Fees
Pre-Conference				
1	Geology of the Midland Valley Area Around Edinburgh (AAPG)	Andy Racey (Andy Racey Geosciences, United Kingdom), John Clayburn (Cairn Energy, United Kingdom) and Douglas Macdonald (Cairn Energy, United Kingdom)	Tuesday, 10 October 18:00– Friday, 13 October 19:00	Professionals US \$1,300 + 20% VAT Students* US \$1,100 + 20% VAT
2	Contourites and Reworked Turbidites From the Eocene to Miocene Deposits of the Lefkara and Pakhna Formations (Cyprus): Scientific and Economic Significance (AAPG)	F. Javier Hernandez-Molina (RHUL, United Kingdom), Heiko Huneke (Greifswald University, Germany), Francisco Javier Rodriguez-Tovar (University of Granada, Spain), Efthymios Tsiolakis (Cyprus Geological Survey, Cyprus) and Dorrik A.V. Stow (Heriott-Watt University, United Kingdom)	Wednesday, 11 October 09:00– Friday, 13 October 19:00	Professionals US \$940 + 20% VAT Students* US \$740 + 20% VAT
3	Evaluating the Expression of Petroleum Plays at Outcrop: An Example From the Jurassic of the Pas-de-Calais, Northern France (AAPG)	Owen E. Sutcliffe (Halliburton, United Kingdom) and Andrew Davies (Halliburton, United Kingdom)	Thursday, 12 October 09:00– Saturday, 14 October 20:00	Professionals US \$710 + 20% VAT Students* US \$510 + 20% VAT
4	Petroleum Systems of the Western Iberian Margin (AAPG)	Nuno Pimentel (Lisbon University, Portugal) and Rui Pena dos Reis (Coimbra University, Portugal)	Thursday, 12 October 08:30– Saturday, 14 October 19:00	Professionals: Single US \$480 + 20% VAT/ Double US \$340 + 20% VAT; Students*: Single US \$340 + 20% VAT/ Double US \$240 + 20% VAT
5	Tectonic and Sedimentary History of a Basin Margin, Isle of Wight (GSL)	Andy Gale (University of Portsmouth, United Kingdom)	Thursday, 12 October 18:00– Saturday, 14 October 10:00	Professionals/Students* US \$325 + 20% VAT
6	Syn-Rift Lacustrine Carbonates; Cycle, Microbial Mounds, Brackish-Hypersaline Facies, Wessex Basin, United Kingdom (AAPG)	Arnaud Gallois (RHUL, United Kingdom) and Dan Bosence (RHUL, United Kingdom)	Friday, 13 October 07:30– Sunday, 15 October 16:00	Professionals US \$600 + 20% VAT Students* US \$400 + 20% VAT

Field Trips

Post-Conference				
7	Fractured Reservoirs: Jurassic Source Rock and Zechstein Carbonates of Northeast England (AAPG)	Jon Gluyas (Durham University, United Kingdom), Jonny Imber (Durham University, United Kingdom), Andrew Aplin (Durham University, United Kingdom) and Susie Daniels (Geospatial Research Limited, United Kingdom)	Wednesday, 18 October 19:00– Friday, 20 October 20:00	Professionals US \$645 + 20% VAT Students* US \$485 + 20% VAT
8	Fractured Carbonate Reservoir Outcrops: Observing Faults, Fractures and Karsts Permeability Networks in Different Carbonate Depositional Settings (AAPG)	Rafaele Di Cui (GEPlan Consulting, Italy) and Alberto Riva (GEPlan Consulting, Italy)	Thursday, 19 October 14:00– Sunday, 22 October 15:00	Professionals US \$1,100 + 20% VAT Students* US \$900 + 20% VAT
9	Petroleum Systems and Reservoir Characterization in the Wessex Basin, Southern England (AAPG)	Mike Simmons (Halliburton, United Kingdom) and Andy Davies (Halliburton, United Kingdom)	Thursday, 19 October 08:30– Sunday, 22 October 17:00	Professionals US \$780 + 20% VAT Students* US \$580 + 20% VAT
10	Atlantic Margin Petroleum Systems: Morocco Field Course (AAPG)	Jonathan Redfern (North Africa Research Group, University of Manchester), Giovanni Bertotti, North Africa Research Group, TU Delft, Netherlands) and Stefan Schroeder (North Africa Research Group, University of Manchester)	Thursday, 19 October 10:00– Monday, 23 October 17:30	Professionals US \$1,615 + 20% VAT Students* US \$1,415 + 20% VAT

Important notes regarding field trips:

- **Before purchasing non-refundable airline tickets, confirm that the trip will take place as trips may be cancelled if undersubscribed.**
- Field trips are limited in size and are reserved on a first-come, first-served basis and **must be accompanied by full payment.**
- If you do not plan to attend the conference, a US \$30 enrollment fee will be added to the field trip fee. This fee may be applied toward registration if you decide to attend the conference at a later date.
- A wait list is automatically created if a field trip sells out. The AAPG Convention Department will notify you if space becomes available.
- Please register before **31 August 2017**. Field trip cancellation due to low enrollment will be considered at this time. No refunds will be allowed on field trips after 14 September 2017.
- We will continue to take registrations for field trips not cancelled until they are either sold out or closed.
- It is important that you note your gender when registering for hotel room assignments.
- Prior to the field trip, you will receive an itinerary with details of meeting points, transportation with the trip phone numbers, and email addresses of hotels and trip leaders, etc.
- Proper clothing and supplies are needed and may be required for the outdoors (hat, windbreaker, sturdy footwear, and backpack). Please ensure that you are adequately prepared for the field trip you have signed up for in advance.
- Depending on location, temperatures can range from 40 to 70 degrees Fahrenheit with or without rain. Participants are advised to check local weather forecasts for latest updates.
- Insect repellent and sun protection (sunscreen and hats) are recommended.
- AAPG, the sponsoring organizations, nor field trip leaders and their employers maintain insurance covering illness or injury for individuals.

Students*:

There are a limited number of discounted registrations available for students on a first-come, first-served basis. If a discounted space is still available, it will show up during the online registration process. If discounted spots are no longer available, you may register at the full fee. If we are able to add additional discounted spots we will refund the difference at that time.

Field Trips



Short Courses

Visit ICEEvent.org for Detailed Information

	Title	Instructor(s)	Dates/Times	Fees
Pre-Conference				
1	Applied Biostratigraphy (AAPG)	Mike Simmons (Halliburton, Abingdon, United Kingdom) and Mike Bidgood (GSS Geoscience, Aberdeen, United Kingdom)	Saturday, 14 October 08:00–17:00	Professionals US \$495 + 20% VAT Students* US \$295 + 20% VAT
2	The Petroleum Industry in the Next Decade (AAPG)	Paul Weimer (University of Colorado, Boulder, Colorado, USA)	Saturday, 14 October 08:00–17:00 Sunday, 15 October 08:00–12:00	Students Only US \$95 + 20% VAT
3	Advanced Sequence Stratigraphy for E&P Professionals (SEPM)	Vitor Abreu (Abreu Consulting and Training, Consultant, Houston, Texas, USA) and Howard Harper (SEPM, Tulsa, Oklahoma, USA)	Saturday, 14 October 08:00–17:00 Sunday, 15 October 08:00–16:00	Professionals US \$595 + 20% VAT Students* US \$295 + 20% VAT
4	Basin and Petroleum System Modeling in Conventional and Unconventional Petroleum Exploration (AAPG)	Ken Peters (Schlumberger and Stanford University, Mill Valley, California, USA) and Noelle Schoellkopf (Schlumberger Software Integrated Solutions, Danville, California, USA)	Saturday, 14 October Sunday, 15 October 08:00–17:00	Professionals US \$995 + 20% VAT Students* US \$795 + 20% VAT
5	Fundamentals of Salt Tectonics (AAPG)	Mark Rowan (Rowan Consulting, Boulder, Colorado, USA)	Saturday, 14 October Sunday, 15 October 08:00–17:00	Professionals US \$995 + 20% VAT Students* US \$795 + 20% VAT
6	Data Science and Deep Learning in Exploration and Production (AAPG)	Kamal Hami-Eddine (Paradigm, Paris, France)	Sunday, 15 October 08:00–17:00	Professionals US \$495 + 20% VAT Students* US \$295 + 20% VAT

Important notes regarding short courses:

- Short courses are limited in size and are reserved on a first-come, first-served basis and must be accompanied by full payment.
- If you do not plan on attending the conference, a US \$30 + 20% VAT enrollment fee will be added to the short course fee. This fee may be applied toward registration if you decide to attend the conference at a later date.
- A wait list is automatically created if a short course sells out. The ICE Conference Management will notify you if space becomes available.
- Before purchasing non-refundable airline tickets, confirm that the course will take place, as courses may be cancelled if under subscribed.
- Please register well before 31 August 2017. Short course cancellations due to low enrollment will be considered at this time. No refunds will be allowed on short courses after this date 14 September 2017
- We will continue to take registrations for short courses not cancelled, either until they are sold out or closed.
- Courses will be held in the ExCeL, London, unless otherwise indicated. Participants will be advised via email of the specific location approximately two weeks prior to the course.

Students*:

There are a limited number of discounted registrations available for students on a first-come, first-served basis. If a discounted space is still available, it will show up during the online registration process. If discounted spots are no longer available, you may register at the full fee. If we are able to add additional discounted spots we will refund the difference at that time.

Oral Sessions at a Glance

Theme 1: 100 Years of Global Exploration – Regional Geoscience	Theme 5: Deepwater Exploration and Production
Theme 2: Polar Petroleum Potential (3P)	Theme 6: Integration of Geophysics With Geology
Theme 3: Exploration and Production in Mature Basins	Theme 7: Reservoirs – Siliciclastic, Carbonate and Mixed
Theme 4: New and Emerging Exploration Basins	Theme 8: Unconventional Exploration and Production









	Executive			
Monday Morning	Theme 2: Advances in Barents Sea Exploration	Theme 8: Tight Gas (Sandstone Reservoirs)	Theme 4: Constraining Source Rocks	Special Session: The Bottom-Line Benefits of Diversity
Monday Afternoon	Discovery Thinking	Theme 1: Global Geoscience	Theme 2: Geodynamics and Evolution of Arctic Basins	Special Session: Earth Movements
				Special Session: The Next Generation – Students and Young Professionals
Tuesday Morning	Special Session: Landmark Discoveries of the Last 100 Years	Theme 4: Identifying the Play	Theme 2: Sedimentology and Stratigraphy of Arctic Basins	Theme 8: Fractured Shale Reservoirs
Tuesday Afternoon	Theme 7: Clastic Reservoirs – Atlantic and the Americas	Theme 4: Chasing the Play	Theme 2: Arctic Exploration Activity and Results	Theme 8: Unconventional Gas Case Studies and Economics
Wednesday Morning	Theme 7: Clastic Reservoirs – Europe	Theme 8: Mapping Unconventional Reservoirs	Theme 5: Emerging Deep-Water Provinces II	Theme 7: Carbonates – Rest of World
				Theme 7: Carbonate Reservoirs in China
Wednesday Afternoon	Theme 1: Africa	Theme 8: Oil From Shales and Carbonate Mudstones	Theme 6: Seismic Reservoir Characterization	Theme 7: Clastic Reservoirs – Asia and Rest of World

- Theme 9: Traps and Structural Geology
- Theme 10: Petroleum Systems and Basin Modeling
- Theme 11: HSSE in Upstream E&P
- Theme 12: History of Petroleum Geology

Plenary Session

Theme 1: Asia Pacific	Theme 3: Reservoir Surveillance and Monitoring	Theme 6: Seismic for Unconventional Reservoirs	Theme 9: Fractures and Fractured Basement	Theme 7: Provenance and Reservoir Quality
Theme 10: Geochemistry & Basin Modeling	Theme 3: Exploration in Mature Basins – Eurasia	Theme 6: Seep-Hunting and Shallow Hazards	Theme 8: Geothermal Energy From Sedimentary Basins	Theme 7: Carbonate Reservoirs – Europe and South America
Theme 10: Global Petroleum System Evaluation Case Studies I	Theme 3: Exploration in Mature Basins – North Sea	Theme 6: Non-Seismic Geophysics	Theme 5: Deepwater: Physical Modeling, Depositional Models, and Paradigm Shifts	Theme 7: Carbonate and Clastic Reservoirs – Middle East and North Africa
Theme 10: Global Petroleum System Evaluation Case Studies II	Theme 12: History of Petroleum Geology	Theme 9: Traps, Seals, Fault, and Fracture Networks	Theme 5: Emerging Deep-Water Provinces I	Theme 11: HSSE in Upstream E&P
Theme 6: Advances in Seismic Acquisition and Imaging	Theme 9: Fold and Thrust Belts	Theme 7: Technologies and Methodologies for Reservoir Characterization	Theme 9: Salt Tectonics I	Theme 4: Magmatic Frontiers
Special Session: The Future of Oil and Gas E&P Technology	Theme 5: Seismic Stratigraphy, Stratigraphic Traps, and Geophysical Methods	Theme 4: Challenging Existing Models	Theme 9: Salt Tectonics II	Theme 3: Exploration in Mature Basins – The Americas, Africa

Poster Sessions at a Glance

 Theme 1: 100 Years of Global Exploration – Regional Geoscience	 Theme 5: Deepwater Exploration and Production
 Theme 2: Polar Petroleum Potential (3P)	 Theme 6: Integration of Geophysics With Geology
 Theme 3: Exploration and Production in Mature Basins	 Theme 7: Reservoirs – Siliciclastic, Carbonate, and Mixed
 Theme 4: New and Emerging Exploration Basins	 Theme 8: Unconventional Exploration and Production

Monday Morning	Theme 5: Emerging Deepwater Exploration Provinces and Production Challenges	Theme 5: Seismic Stratigraphy and Non-Seismic Geophysical Methods in Deep-Water Settings
Monday Afternoon	Theme 5: Stratigraphic Traps, Physical and Numerical Modeling, and Classic Depositional Models in Deep-Water Systems	Theme 4: New and Emerging Exploration Basins I
Tuesday Morning	Theme 9: Traps and Structural Geology II	Theme 7: Carbonate and Clastic Reservoirs in Europe and Sub-Saharan Africa
Tuesday Afternoon	Theme 3: Exploration in Mature Basins – Asia, Africa	Theme 6: Geophysical Methods
Wednesday Morning	Theme 3: Exploration in Mature Basins – Europe	Theme 6: Seeps, Shallow Hazards, and Pore Pressure Prediction

- Theme 9: Traps and Structural Geology
- Theme 10: Petroleum Systems and Basin Modeling
- Theme 11: HSSE in Upstream E&P
- Theme 12: History of Petroleum Geology

Theme 10: Petroleum Systems and Basin Modeling I		Theme 7: Carbonate and Clastic Reservoirs in the Atlantic and Americas, and Technologies and Methodologies	Theme 8: Unconventional I
Theme 4: New and Emerging Exploration Basins II	Theme 10: Petroleum Systems and Basin Modelling II	Theme 9: Traps and Structural Geology I	Theme 7: Carbonate and Clastic Reservoirs in Asia and Asia-Pacific
Theme 1: Global Geoscience	Student Research Poster Session I	Student Research Poster Session II	Theme 8: Unconventional II
Theme 6: Seismic Attributes and Quantitative Interpretation		Theme 7: Carbonate and Clastic Reservoirs in the Middle East and North Africa	Theme 8: Unconventional III
Theme 2: Polar Petroleum Potential I	Theme 2: Polar Petroleum Potential II		Student Research Poster Session III

Technical Program Monday

* indicates presenter is other than first author

Monday Morning Oral Presentations

Executive Plenary Session: 100 Years of Science Fueling 100 Years of Prosperity

Chair: P. Yilmaz

- Mike Cousins, Executive Vice President, ExxonMobil Exploration Company
- Adif Zulkifli, Senior Vice President, Petronas
- Ibraheem Assaad, Vice President Exploration, Saudi Aramco
- Luca Bertelli, Chief Exploration Officer, Eni
- Mario Carminatti, Exploration Manager, Petrobras
- Moderated Discussion

Special Session: The Bottom-Line Benefits of Diversity

Co-Chairs: G. Gillis, S. Nash, L. Lerchbaumer, I. Afifuddin, and A. Al-Bulushi

- Keynote: Better Together – The Role of Diversity in Decision Quality: L. Schwaze
- Recognizing and Rewarding Excellence Without Blinkers; A Close-to-Home Case Study: C. A. Jackson
- Diversity in Central/Eastern Europe as Seen From Both the Inside and the Outside: L. Lerchbaumer, C. Asmar
- Using New Technologies to Overcome Barriers and Find Enduring Success: My Journey: D. Sacrey

Theme 1: Asia Pacific

Co-Chairs: P. Grant and P. Lloyd

- Keynote: A Globally Consistent Cenozoic Plate Tectonic Model for Southeast Asia: Insights From Regional Tectonostratigraphy and Implications for Future Exploration: J. Highton
- Reconstructing Southwest Gondwana: The India, Australia, and Antarctica Jigsaw From the Permian to the Late Cretaceous: W. J. Matthews, R. W. Wilson, T. Bevan, V. Dykmans, I. Stewart, S. Matthews
- Building on the Shoulders of Exploration Pioneers to Unlock Myanmar's Riches: R. W. Wilson, W. J. Matthews, S. Matthews
- An Overview of South Australian Petroleum Systems: E. Alexander, T. Hill

Theme 3: Reservoir Surveillance and Monitoring

Co-Chairs: G. Hampson and K. Stephen

- Keynote: Placement of New Wells on a Clastic Mature Super-Giant Oil Field: The Importance of Key Products, Appropriate Surveillance and Risk Management When Prioritizing New Wells: R. Brown
- Reduced Reservoir Description Uncertainty Through Combination of Multiple Uncertain Datasets: Chasing Smaller Infill Targets on a Mature Waterflood With a New Lease of Life: E. D. Laws, D. Bishop, D. J. Cox, E. Padmos, J. M. Reynolds, M. V. Ward
- 4-D Seismic Reservoir Surveillance and Business Impact – Dan Field Examples: J. Zaske, U. Hoffman, C. Laurentz, K. Lauriks, E. Lund
- Reservoir Surveillance Case Study for a Steam Flood Project in Kuwait: A. Al-Murtairi, Z. Ren, J. Tinnin*, A. Paré

Theme 8: Tight Gas (Sandstone Reservoirs)

Co-Chairs: A. Hakami and J. Harrington

- Keynote: Evaluation of a Laminated Tight Sand Formation by Integrating Logs, Core Data, and Digital Rock Analysis: J. Walls, T. Rider, R. Aylsworth, A. Morcote
- Effective Appraisal of a Tight Gas Sandstone Reservoir in North Oman: E. Jones, S. Buchanan, S. Long, J. Uribe, I. Pigram, B. Al Mamari, P. Shell, S. Murray
- Inorganic Origin of CO₂ and Its Indication for Sweet Spots in Tight Formations, Northwest Saudi Arabia: P. Luo, K. Arouri, P. Lu, F. Lu
- Effects of a Mixed Wetting Porous Medium on Gas Flowing and Its Implications for Gas Exploration in Tight Sandstones: H. Sh

Theme 2: Advances in Barents Sea Exploration

Co-Chairs: C. Eide and E. Fleming

- Keynote: Structure and Depositional Systems in the Northern Barents Sea: L. Cowie, J. Faleide
- Late Triassic Facies in the Western Barents Sea, the Fruholmen Formation: E. Volfovich, E. Malysheva, N. Vasilyeva, M. Doronina, A. Leybenko, N. Kukina
- Is There Petroleum in the Olga Basin? New Information From Deep Seismic and Geochemistry Data: P. Klitzke, P. Weniger, R. Lutz, M. Blumenberg, D. Franke, K. Berglar, A. Ehrhardt
- Structural Mapping in the Eastern Part of the Northern Norwegian Barents Sea: R. Mattingsdal

Theme 4: Constraining Source Rocks

Co-Chairs: C. Grove and M. Lakin

- Keynote: Mesoproterozoic Delta-Related Organic-Rich Mudstones: Roper Group, McArthur Basin, Northern Australia: B. D. Schoemaker, R. Johns, H. Johnson*, S. Menpes
- De-Risking Source Presence in Frontier Basins by Combining Sea Surface Slicks and Seismic Cross Sections: P. J. Hargreaves
- Integrated Overburden Fluid & Geothermal Characterization Offshore Uruguay: O. Lavis, M. Huuse, P. Thompson
- Multiple Petroleum Systems of the Ceará Basin, Brazilian Equatorial Margin: J. Scotchmer, T. Rady, O. Cheshire, D. Mellere, S. Macedo

Theme 9: Fractures and Fractured Basement

Co-Chairs: K. McClay and D. Quinn

- Keynote: Cracked and Full of Sand: Insights Into How Fractures Enable Ingress of Oil Into Crystalline Basement Reservoirs: R. Holdsworth, E. Dempsey, N. Roberts, K. McCaffrey
- Contrasting Deformation Mechanisms Within Porous And Tight Carbonate Rocks: Insights From The Matera High (Southern Italy): R. Di Cuia, P. Pace
- Mode I Opening Orthogonal Fracture Networks: Can They Be Used as Analog Fracture Networks for Subsurface Models?: Q. Boersma, N. Hardebol, A. Barnhoorn, G. Bertotti
- The Onshore Structural Geology of Foula, Shetland, and Implications for the Devonian-Carboniferous Development of the Offshore Clair Basin: T. Utley, R. Holdsworth, E. Dempsey, K. McCaffrey, R. Strachan, R. Jones, G. Blackburn

Technical Program Monday

* indicates presenter is other than first author

Theme 7: Provenance and Reservoir Quality

Co-Chairs: M. Simmons and H. Smyth

- **Keynote: Changes in Sediment Provenance, Sandstone Composition, and Reservoir Quality Through Time: An Example From Taranaki Basin, New Zealand:** K. E. Higgs, P. R. King
- **Triassic Sediment Pathways in the North Atlantic Region:** A. Decou, S. D. Andrews, A. Morton, D. Frei
- **Provenance of Early Cretaceous Clastic Reservoirs in the Middle East:** M. Wells, A. Morton, D. Frei
- **To What Extent Are the Favorable Reservoir Properties of the Jurassic of the Southwest Barents Shelf Controlled by Sedimentary Provenance?:** M. Flowerdew, E. Fleming, A. Morton, T. Klausen, D. Frei, S. Daly, H. Smyth

Theme 6: Seismic for Unconventional Reservoirs

Co-Chairs: R. Johnston and P. Roux

- **Keynote: Rank Reduction Processing of 3-D Prestack Seismic Data for the Geomechanical Inversion of an Unconventional Reservoir and its Caprock, Moncton Basin, Canada:** M. J. Duchesne, G. Bellefleur, N. Pinet, V. I. Brake
- **Brittleness Prediction From Seismic Data: A Case Study From the Lower Paleozoic Shales in Northern Poland:** M. Mulinska, M. Malinowski, M. M. Cyz
- **Shear Wave Splitting Analysis of Borehole Microseismic Reveals Weak Azimuthal Anisotropy Hidden Behind Strong VTI Fabric of the Lower Paleozoic Shales in Northern Poland:** W. Gajek, J. V. Verdon, M. Malinowski, J. Trojanowski
- **Is Surface Monitoring Biased Towards Specific Source Mechanisms?:** P. Roux

Monday Morning Poster Presentations

Theme 5: Emerging Deepwater Exploration Provinces and Production Challenges

Chair: N. Lagrilliere

- **Creating Value: A New Logging-While-Drilling Azimuthal Density Sensor for Large Borehole Applications, Gulf of Mexico Case Studies:** F. Michel, T. Parker, A. Rennie, N. Laroussi, M. Ehiwario, T. Bourgeois
- **The Tectono-Stratigraphic Development of the Jahama Platform Margin and Western Sirt Trough, Offshore Libya:** R. Aboushoug, D. R. Boote, A. Gudmundsson
- **Tectonic Development, Sedimentation, and Paleoceanography of the Mozambique Channel:** A. Thieblemont, J. Ponte, F. Hernandez-Molina, C. Robin, F. Raissou, F. Guillocheau
- **The Power of Scientific Ocean Drilling Data in Frontier Exploration:** S. Morgan
- **A Source-to-Sink Study of the Neogene Sediment Fluxes in the Niger Delta:** A. C. Henshaw, L. Lonergan, A. Whittaker, G. G. Roberts
- **Early Cretaceous Carbonate Build-Up Plays, Offshore Namibia and South Africa Margin:** A. Intawong, P. Esestime, N. Hodgson, K. Rodriguez
- **Time-Exclusive Sediment Transport Mechanisms in the Deepwater Niger Delta:** M. B. Aminu, S. B. Ojo

- **Boom and Bust: The Deepwater Cretaceous Plays of the Mid-Atlantic Margins:** P. R. Mullin, F. Inniss, L. Stephen, R. Erlich
- **Guiana Shield and Migration of Hydrocarbons:** Y. Bassias
- **Turbidite Systems Offshore Morondava Basin, Madagascar: Implications for Deepwater Exploration:** K. Hannke, G. Wilmot, G. C. Tari

Theme 5: Seismic Stratigraphy and Non-Seismic Geophysical Methods in Deep-Water Settings

Chair: N. Lagrilliere

- **Marlim R3D: A Realistic Model for mCSEM Simulations: Phase I – Model Building:** P. T. Menezes, B. R. Carvalho
- **Mass-Transport Complexes (MTCs) and Their Sequence Stratigraphic Context: A 3-D Seismic Reflection Case Study From the Santos Basin, Offshore Brazil:** M. J. Steventon, C. A. Jackson, D. Hodgson
- **Controls on the Spatial Distribution of Paleocene Deep-Water Systems in the Central Graben of the North Sea:** T. Heard, E. Tripsanas, D. Hinds, D. Owen, S. Heal
- **Enhancing SAR Seep Interpretation With Broadband Seismic Data: A Case Study From the Timor Trough:** R. Edwards, M. Sanderson, P. Duran, G. Duval, M. King
- **Gas Identification in Thin Beds Using LWD Measurements – West Africa Offshore Example:** S. Oifoghe, O. Daniel, V. Okowi, C. Thompson
- **Subsalt Imaging – Coherent Noise Removal and Steep Dip Enhancement:** Y. Wu
- **Gabon Deep Water Pre-Salt Play: How Different Geological Models Affect a Prospect Resource and Chance of Success:** A. Jamil, W. Wan Aziz
- **Estimating Heatflow in Frontier Basins Using Bottom Simulating Reflectors (BSRs): Implications for Deepwater Hydrocarbon Prospectivity Offshore MSGBC Basin, The Gambia:** O. Owolabi, M. Huuse, J. Redfern, B. Sayers
- **Geological Evolution, Structural Configuration and Hydrocarbon Plays of the Eastern Mediterranean:** Z. Wen
- **Characteristics and Vertical Sedimentary Succession of the Early Cretaceous Supercritical Hyperpycnal Flow Deposits on Lingshan Island, Eastern China:** T. Yang, Y. Cao

Theme 10: Petroleum Systems and Basin Modeling I

Co-Chairs: C. Bertoni and E. Idiz

- **Understanding the Petroleum System of the Nile Delta Onshore Region: New Insights From Integration of Organic Geochemistry, Petrophysical Formation Evaluation and Seismic:** M. I. Leila, A. Moscariello
- **Source Rocks and Hydrocarbon Fluids of the Browse Basin:** T. J. Palu, L. S. Hall*, D. Edwards, E. Grosjean, N. Rollet, C. Boreham, T. Buckler, K. Higgins, D. Nguyen, K. Khider
- **Petroleum Systems in the Geneva Basin: Insights From Basin Modeling:** D. Do Couto, A. Moscariello
- **Hydrocarbon Potential of the Menilite Formation in Western Ukraine:** J. Rauball, R. Sachsenhofer
- **The Use of Regional Scale Basin Models in Understanding Uncertainty in Petroleum Systems Analysis:** L. Gill, C. Leighton, R. Parr, V. Dykmans

Technical Program Monday

* indicates presenter is other than first author

- **Alternative Source Rocks on the Norwegian Continental Shelf: Potential Cretaceous Sourcing in Deepwater Basins:** L. H. Garner, P. Farrimond, M. Nuzzo
- **Pore Pressure Evolution and Distribution Across a Tectonostratigraphically Complex Basin, Taranaki Basin, New Zealand:** S. O'Neill, S. Jones, J. Gluyas, P. Kamp, R. Crookbain
- **Tracing Fluid Provenance and Flow Migration in Sub-Salt Layers of the Red Sea Basin With Geochemical Techniques:** P. Birkle, J. P. Brown, P. J. Ball, J. Mengual, W. K. Hussein
- **Mantle CO₂ Risk Assessment at the Basin Scale:** E. Tavares De Moraes, X. Guichet*, E. Brosse, V. Rouchon, S. Wolf
- **Towards a Detailed Seismic Stratigraphy and Mapping of the Upper Cretaceous to Lower Paleogene (Cenomanian – Danian) Sequences in the Southeastern North Sea, Germany:** F. Bense, F. Jähne-Klingberg
- **Gas Saturation of Marine Shale and Free Gas Volumes: Key Factor to the Successful Commercial Development of Longmaxi Shale Gas in South China:** W. Feng, F. Wang, J. Guan
- **Impact of Different Basin Settings on Unconventional Shale Play Development – Upper Alum Shale vs. Bowland Shale (Carboniferous, Germany, United Kingdom):** H. Jaeger
- **Microfacies Variability of the Basinal Bowland Shale, United Kingdom:** A. Fauchille, L. Ma, M. Chandler, E. Rutter, P. D. Lee, K. Taylor
- **Source Potential and Geomechanical Characterization of the Barren Measure Formation Shale, Damodar Basin, East India:** W. Ahmed, J. McLennan, G. M. Bhat, J. Craig, D. J. Thul, B. Thusu, S. Kanungo, N. Hakhoo, M. Hafiz, T. Tran
- **Multi-Scale, Multi-Dimensional Shale Imaging:** L. Ma, P. Dowey, A. Fauchille, M. Chandler, K. Taylor, P. D. Lee
- **The Jurassic Shales of Southern England: Similarities, Differences and Oil In-Place Resource Estimation:** E. Greenhalgh, I. Andrews, T. Harvey, M. Quint
- **Minerals From Elements: A Reality Check:** E. J. Mathia, K. Ratcliffe, M. Wright
- **A Quantitative Method for High-Frequency Sequences Division of Lacustrine Shale Based on the Milankovitch Theory—A Case Study From Jiyang Depression in the Bohai Bay Basin:** J. Shi, Z. Jin, Q. Liu
- **Heterogeneity of Lacustrine Shale and Its Implications: A Case Study of Zhangjiatan Shale in Ordos Basin, China:** Y. Lei, X. Luo, X. Wang, L. Zhang*, M. Cheng, Y. Yu, L. Zhang, C. Jiang, C. Gao

Theme 7: Carbonate and Clastic Reservoirs in the Atlantic and Americas and Technologies and Methodologies

Chair: L. Cowley

- **Keynote: Assessing the Impact of Intermediate Storage on Sandstones in a Passive Margin Basin:** M. Nauton-Fourteu, S. Tyrrell
- **Regional Reservoir Quality Trends in Mesozoic Sandstone Reservoirs of the North Atlantic Margin Basins of Eastern Canada and Southwestern Ireland:** S. F. Greenfield
- **An Integrated Approach to Modeling Reservoir Quality:** P. Armitage, A. Dale, N. Clark
- **Multistage Fault-Related Dolomitization of the Middle Cambrian Mount Whyte and Cathedral Formations: Insights Into the Tectonic and Diagenetic History of the Western Canada Sedimentary Basin:** J. E. Stacey, A. I. Koeshidayatullah, C. Hollis
- **A New Method to Estimate the Horizontal Well Landing Point to Optimize the Production:** P. L. Sims, A. Susi, G. Asquith, S. K. Henderson
- **Fluid Flow Modeling in Various Clay Textures:** A. Golreihan, R. Swennen
- **Modern Estuaries Analog Studies in Brazilian Equatorial Coast for Reservoir Characterization: Case Study in Potiguar Basin, Northeast Brazil:** H. Vital, A. G. Aquino da Silva, M. P. Gomes, L. A. Costa Neto
- **Depositional and Unconformity Influence on Primary and Secondary Porosity Distribution on Siliciclastic and Mixed-Carbonate Reservoir in the Sergipe-Alagoas Basin, Northeast Brazil:** A. V. Garcia, D. Dantas Menezes Ribeiro, M. Santana Dantas, K. Leite Santos, G. Gonçalves Garcia, S. Silva Tavares Figueiredo
- **Mixed Siliciclastic-Carbonate Deposits: Scales and Heterogeneities:** D. Chiarella, S. G. Longhitano, M. Tropeano
- **Integration of 3-D Outcrop Data Into Reservoir Models:** R. Deschamps, J. Schmitz, P. Joseph, B. Doligez, J. Mengus

Theme 8: Unconventional I

Chair: E. Kruijs

- **Keynote: Multi-Scale Digital Rock Analysis of Porosity and Organic Matter in the Appalachian Basin, USA:** J. Walls, G. Davalos, M. Weinreich

Monday Afternoon Oral Presentations

Special Session: Earth Movements

Co-Chairs: J. Gluyas and A. Sowter

- **Keynote: A Global Review of Industrially Induced Earthquakes:** Gillian Foulger, Professor of Geophysics, Department of Earth Sciences, Durham University; Co-Authors: Miles P. Wilson, Jon G. Gluyas, and Bruce R. Julian
- **Anthropocene Tectonics: Human Induced Ground Motion:** Stuart Marsh, Professor of Geospatial Engineering, Faculty of Engineering, Nottingham University
- **Effects of Oil and Gas Production and Wastewater Injection on Surface Deformation in North Central Oklahoma:** Alessandro Novellino, Remote Sensing Geoscientist, British Geological Survey; Co-Authors: S. Grebby, A. Sowter, D. Gee, E. Gilliland
- **A Land Motion Baseline Map for the UK:** Andy Sowter, Chief Technical Officer, Geomatic Ventures Ltd; Co-Authors: A. Athab, A. Gee, D. Bhatia, P. Gluyas, J. Geomatic

Special Session: The Next Generation: Students and Young Professionals

Chair: J. Csizmeg and A. Zolnai

- **Keynote: "Tales of an Ex-Elf" – Career Paths for a Petroleum Geologist:** S. Harker
- **Shale Gas Hydraulic Fracturing: Investigating the Impact on the Groundwater System:** C. Onaa

Technical Program Monday

* indicates presenter is other than first author

- **The Next Generation: Young Professionals and the AAPG Petroleum Structure and Geomechanics Division:** B. Anouk, W. Sassi, R. J. Wessels*, D. A. Ferrill, J. Gale, O. Ortega, B. Krantz
- **Diagenesis and Reservoir Quality of Pannonian Lacustrine Deposits in the Makó Trough, Southeastern Hungary:** E. Szöcs, R. Milovský, S. Gier, K. Hips, O. Sztanó
- **3-D Fault Inversion and Negative Inversion Architecture, Taranki Basin, Offshore New Zealand:** I. Kenyon

Theme 10: Geochemistry and Basin Modeling

Co-Chairs: C. Bertoni and E. Idiz

- **Keynote: Dynamic Topography and Its Influence on Petroleum Systems; The Atlantic Margin of Gabon:** A. Bell, M. Sugden
- **Charge Is Not an Issue – Or Is It?:** S. Petmecky, B. Kirkland, F. van Bergen
- **Sequential Vertical Gas Migration Through Multilayered Sequences Controlled by Central Conduits: Observations and Modeling:** M. Foschi, C. MacMinn, L. T. Jenkins, J. Cartwright
- **Revised Genetic Diagrams for Natural Gases Based on a Global Dataset of 15,000+ Gas Samples:** A. V. Milkov, G. Etiope, O. A. Sherwood, S. Schwietzke
- **Refreshment Break**
- **Re-Os Chronology Reconstructs Whole Petroleum Systems and Interrogates an External Fluid:** H. J. Stein, S. V. Georgiev, J. Hannah
- **Why Re-Os Geochronology Works for Oils – Experimental Evidence:** J. Hannah, J. M. DiMarzio, N. C. Hurtig, H. J. Stein
- **Sensitivity Analysis of Thermal Maturation of Alaska North Slope Source Rocks Based on Various Vitrinite Reflectance Models:** O. Schenk, K. Bird, K. Peters, A. Burnham
- **Nitrogen in Dutch Natural Gas Accumulations Revisited:** H. Verweij, S. Nelskamp, T. Goldberg, J. Hettelaar

Theme 3: Exploration in Mature Basins – Eurasia

Co-Chairs: M. Jagger and L. Matenco

- **Keynote: Neogene Volcanic Reservoirs From the Niigata and Akita Basins of Japan:** A. Racey
- **New Potential in a Mature Petroleum Province: The Carpathians:** M. Watkinson, T. Beal, C. Tucker, M. A. Enfield*
- **Integrated Petroleum System Study of Dnieper-Donets Basin: What is the Depth Limit of Future Discoveries?:** I. Karpenko
- **A New 4-D Structural and Oil Charge Model of the Greater Wytch Farm Field Area (Wessex Basin, United Kingdom):** M. Neumaier, P. Ariyanto, A. Fraser, N. Aribi, S. Smith, S. Nollet
- **Refreshment Break**
- **The Potential of Stratigraphic Traps for the Arabian Plate:** T. Jewell, R. B. Davies
- **An Integrated Geostatistical and Seismic Facies Analysis Approach to Detect the Carboniferous Unayzah Stratigraphic Traps of Central Saudi Arabia:** M. A. AbuAli
- **Redefining Jurassic and Triassic Play Fairway Limits on the Ashmore High Using Depth Migrated, Broadband 3-D Seismic Data:** D. Eastwell, J. Mather, K. Rodriguez
- **Access Westralia: New Insights Into the Westralian SuperBasin of the Australian North West Shelf:** J. Greenhalgh, B. Cameron, T. Paten, D. Rajeswaran

Theme 1: Global Geoscience

Co-Chairs: S. Laird and V. Vega

- **Keynote: A Super-Regional Study of Canadian & European Conjugate Margin Petroleum Systems:** P. Doubleday
- **Characterizing Crustal Structure on the Norwegian Atlantic Margin, Using 3-D-Gravity-Inversion and 3-D-Backstripping to Assist Petroleum-Systems Modeling:** A. D. Alvey, A. M. Roberts, N. J. Kusznir, J. P. Harris, M. Swierczek, J. Watson
- **Evaluation of Processes That Control the Hydrocarbon Potential on the Mid North Sea High:** O. Schenk, A. Karvelas, O. Shtukert
- **Tectonic Evolution and Hydrocarbon Exploration of a Multiply Overprinted Caledonian Continental Collision Zone in the German Baltic Sea:** J. Kraus, C. Rott, A. Damte
- **Refreshment Break**
- **Examining Exploration and Production Myths in the Zagros:** R. B. Davies, M. Simmons*
- **Integrated Geophysical Investigations of the Pre-Andean Basins in Peru and Bolivia – A Search for Depocenters Concealed Beneath a Foreland Basin:** M. Stewart, S. Mazur, A. Mantilla Pimiento, W. Hermoza, A. Olaiz Campos
- **Continent-Ocean Boundaries...The End of the Line?:** L. Perez Diaz, G. Eagles, N. Scarselli
- **Mass-Balance to Seismic Facies: Lower Cretaceous of Saudi Arabia:** D. M. Steinhauß, N. A. Michael

Discovery Thinking

Co-Chairs: J. Craig, C. Sternbach, and P. Weimer

- **Lessons in Exploration Creativity From a Decade of Discovery Thinking Forums**
- **Goliath Discovery – A Knowledge-Based Approach and Persistence and the First Commercial Oil Development in the Norwegian Arctic:** F. Tsikalas
- **Zohr Giant Gas Discovery – A Paradigm Shift in Nile Delta and East Mediterranean Exploration:** A. Cozzi
- **Refreshment Break**
- **The Senegal Discoveries and How Two New Plays Were Opened in North West Africa:** J. Clayburn
- **East African Rift Basins: A New Oil Province Heads Towards Production:** K. Christopherson

Theme 2: Geodynamics and Evolution of Arctic Basins

Co-Chairs: M. Enachescu and J. Hogg

- **Keynote: The East Siberian Arctic Shelf: A Tectonic Synthesis:** S. Drachev, S. Shkarubo, S. Mazur, S. Campbell, C. Green
- **Triassic – Early Cretaceous Structural Development of the Central Part of the Northern Eurasia:** K. Sobornov, A. Afanasenkov, A. Obukhov
- **A Palinspastic Deformable Plate Kinematic Model Offers New Perspectives on Palaeozoic to Cenozoic Circum-Arctic Sedimentary Basin Evolution:** B. E. Ady, R. C. Whittaker
- **Timing and Possible Mechanisms of Tilting of the Barrow Arch, Arctic Alaska, Revealed by Low-Temperature Thermochronology:** W. H. Craddock, D. W. Houseknecht, P. B. O'Sullivan
- **Refreshment Break**

Technical Program Monday

* indicates presenter is other than first author

- **Hanna and Her Sisters: Structural Inheritance in the Chukchi Sea, Alaska:** C. D. Connors, D. W. Houseknecht
- **New Insights Into the Structure and Tectonic Provenance of the Chukchi Borderland Terrane: Implications for Arctic Reconstructions:** A. Walker, B. W. Horn
- **Basement Composition and Pre-Mesozoic Sedimentary Succession of Northern Barents Sea Revealed by New Data on Franz Josef Land Jurassic Conglomerates:** V. Ershova, R. Belyakova, A. Prokopyev, A. Khudoley, J. Faleide, C. Gaina, N. Sobolev, E. Petrov
- **Deformation History of the Norwegian Southeast Barents Sea: Results From Regional 2-D Seismic Interpretation and Sequential Restoration:** F. Schaefer, J. Chevallier-Messbacher, O. Norvik

Theme 8: Geothermal Energy From Sedimentary Basins

Co-Chairs: A. Moscariello and M. Stephenson

- **Keynote: CO₂-Storage-Based Geothermal Electricity Generation Potential of Sedimentary Basins in the United States:** B. M. Adams, J. M. Bielicki, M. O. Saar
- **Energy From the Upper Jurassic (Malm) – A Synoptic View of Geothermal Exploration and Production in the South German Molasse Basin:** A. Savvatis, U. Steiner, C. Hecht, R. Koch
- **Geothermal and Hydrocarbon Exploration in the Upper Rhine Graben – Competition and Cooperation:** J. Reinecker, D. Rettenmaier, C. Reinhold
- **Structural Characterization of the Greater Geneva Basin (Switzerland and France) for Geothermal Resource Exploration:** N. Clerc, E. Rusillon, L. Cardello, A. Moscariello, P. Renard
- **Refreshment Break**
- **Carbon Dioxide as a Geothermal Heat Mining Fluid in Sedimentary Basins – Technical and Economic Analysis of Its Use in Hydrocarbon Fields:** J. Randolph, M. O. Saar, J. M. Bielicki, J. Griffin
- **Hydrothermal Brine Transport Near Basin/Fractured-Basement Interfaces:** J. E. Mindel, T. Driesner
- **Natural Convection in a Single Fracture or Permeable Fault:** J. W. Patterson, T. Driesner, S. Matthaei
- **Using Plasma Torch Drilling for Optimizing Conventional Drilling:** M. Bazargan, A. Gudmundsson, P. Meredith

Theme 7: Carbonate Reservoirs – Europe and South America

Co-Chairs: R. Di Cuia and C. Hollis

- **Keynote: Critically Evaluating the Current Depositional Models for the Pre-Salt Barra Velha Fm, Offshore Brazil:** V. Wright, A. Barnett
- **Burial Dedolomitization of the Zechstein-2-Carbonate Reservoir, Northwest Germany:** J. Schoenherr, M. Hallenberger, L. Reuning, C. J. Strohmenger
- **Basin-Scale Characterization and Modeling of Syn-Rift Non-Marine Microbial Carbonates of the Lower Purbeck Limestone Group (Late Jurassic to Early Cretaceous), Dorset, Southern England (United Kingdom):** A. Gallois, E. Kozłowski, D. Bosence, P. Burgess
- **Microbial Carbonate Reservoirs of the Argyll and Auk Fields Reinterpreted in a Sequence Stratigraphic Context:** M. J. Raven, M. Mawson, M. Tucker, S. Daniels

Refreshment Break

- **Reservoir Layering Controlled by the Taphonomy and Taphofacies of Coquinas From the Early Aptian Campos Basin, Brazil:** M. C. Muniz, D. Bosence
- **Pore Type Characterization and Extraction of Effective Porosity With Digital Image Analysis: A Case Study From Miocene Lacustrine Carbonates (Southern Germany):** S. Maerz, M. Mutti
- **Connectivity and Drainage in a Karst Reservoir: Insights From an Outcrop Analog:** A. Riva, R. Bitonte, R. Di Cuia, S. Hegndal-Andersen
- **Controls on Variable Hydrothermal Dolomitization Geometries in Shallow-Marine Carbonates Using the Benicàssim Outcrop Analog as a Case Study (Maestrat Basin East Spain):** S. Yao, E. Gomez-Rivas, J. Howell, J. Martín-Martín

Theme 6: Seep-Hunting and Shallow Hazards

Co-Chairs: J. Gharib and R. Heggland

- **Keynote: High-Resolution Multibeam Reveals Water Column Anomalies in Deep Water Mexican Gulf of Mexico:** P. Teas, D. Orange, J. Decker, C. Corona, K. Brumley, G. A. Mitchell
- **Accurate Identification and Delineation of Structured Benthic Communities (Cold Seeps) Using Double Coverage Acoustic Backscatter, With Water Column Data and Piston Coring:** A. J. Digby, K. Brumley, V. Puentes, J. Leon
- **Using Modern Multibeam Echosounder and 3-D Seismic Data to Unlock the Petroleum System in Frontier Exploration; A Case Study in Offshore Western Black Sea:** M. Fallah, G. A. Mitchell, J. J. Gharib, E. Cauquil, G. C. Tari, T. Eder
- **Confirming the Presence of a Working Petroleum System in the Eastern Black Sea Basin Using Sea Surface Slicks:** H. Dembicki
- **Refreshment Break**
- **Photographic Evidence of the True Extent and Duration of Impacts to the Seafloor and Surrounding Seep-Related Benthic Community Shortly After the Deepwater Horizon Accident:** D. Doolittle, J. D. Germano, D. A. Carey, K. Sturdivant
- **Deep-Water Hydrocarbon Seep Exploration: Underwater Chemical Sensors Come of Age:** D. Lavalley, L. Baksmaty, B. King, M. Whitar, J. J. Gharib, E. Biegert, G. Sharman, A. Ross
- **3-D Characteristic of Shallow Mounds Supports Paleocene-Eocene Cold Seeps in the Ceduna Sub-Basin (Australia):** L. Langhi, J. Strand, A. Ross, P. Reynolds, S. Holford, E. Frery
- **A Natural Gas Hydrate System Overlying a Conventional Hydrocarbon Accumulation: Implications for Geohazard and Exploration:** M. Paganoni, J. Cartwright, M. Foschi, P. Van Rensbergen, C. Shipp

Monday Afternoon Poster Presentations

Theme 5: Stratigraphic Traps, Physical and Numerical Modeling, and Classic Depositional Models in Deep-Water Systems

Chair: N. Lagrilliere

- **Process Based Modeling: Recent Studies and Their Implications for Deep-Water Reservoir Modeling:** E. W. Hansen, R. Basani, A. Vellinga, T. Høy

Technical Program Monday

* indicates presenter is other than first author

- **Analytical Velocity Modeling for Offshore East Coast of India: An Approach Using VSP Time-Depth Dataset:** N. Jindal, A. K. Shahi, K. Singh
- **Size Isn't Everything: Predicting Clastic Injectites at Stratigraphic Traps Using Appropriate Analogues:** S. Cobain, D. Hodgson, J. Peakall
- **Quantifying the Relationship Between Structural Growth Rate and the Morphology of Submarine Channels and Reservoir Facies From Shelf-Edge to Deep Water: Case Studies From the Niger Delta System:** W. Mitchell, A. Whittaker, L. Loneragan, M. Mayall
- **Seismic Interpretation Validation at Deep-Water Rifted Margins Using Structural-Stratigraphic Modeling:** J. Gómez-Romeu, N. J. Kuszniir, G. Manatschal, A. M. Roberts
- **Aptian Salt Palaeo-Bathymetry and Subsidence on the Northern Angolan Rifted Margin:** N. J. Kuszniir, L. Cowie, G. Manatschal, J. Gómez-Romeu
- **Meeting the Challenges of Extended Reach Drilling Wells via an Integrated Geomechanics Solution:** F. Mohamed, N. Lagrilliere
- **Slope Degradation and Mass-Transport Complex (MTC) Emplacement: A 3-D Seismic Reflection Case Study From the Exmouth Plateau, Offshore Northwest Australia:** H. D. Nugraha, C. A. Jackson, H. Johnson, D. Hodgson
- **Bed-Scale Clay Distribution in Deep-Water Sandstones and the Implications for Reservoir Quality:** A. Hussain, P. Haughton, A. Obradors Latre, P. Shannon, J. Turner, C. Pierce, O. Martinsen, S. Barker
- **Process-Based Numerical CATS Model and Its Application to the 1979 Nice Turbidity Event:** V. Teles, P. Joseph, S. Migeon

Theme 4: New and Emerging Exploration Basins I

Chair: Andy Davies

- **Understanding the Evolution of Southern and Central Somalia Offshore Basins and Implications for Hydrocarbon Exploration:** H. Kearns, N. Hodgson, K. Rodriguez
- **Outcrop Analogs in the Western Iberian Margin, Northeast Atlantic:** R. Pena dos Reis, N. Pimentel
- **Salt Tectonic Control on the Subsalt Petroleum System in the Ultradeep Layer of the Kuqa Fold-Thrust Belt in Northwestern China:** Y. Neng, H. Xie
- **Igneous Intrusions and the Generation of Hydrocarbons:** D. Muirhead, M. Duffy, N. Mark, N. Schofield, M. Rowe
- **Magmatism During Continental Breakup, Insights From the 3-D Structure of Seaward Dipping Reflectors:** J. R. Norcliffe, D. Paton, A. McCaig, E. Mortimer, K. Rodriguez
- **The Enigma of the 'Transition' Phase: How Rift Basins Evolve to Passive Margins:** D. Paton, H. Rowlands, J. R. Norcliffe, P. Thompson, N. Hodgson, K. Rodriguez
- **The Use of Reservoir Analogs to Better Constrain Geobody Architecture, Genesis, and Petrophysical Characteristics of Continental Carbonate Reservoirs:** R. Swennen, C. Aratman, E. Capezzuoli, H. Claes, M. Erthal, N. Janssens, S. Kele, A. Mancini, Z. Mohammadi, M. Özkul, J. Soete, A. Torok, M. Verbiest



Technical Program Monday

* indicates presenter is other than first author

- **Multi-Scale Analysis of Volcanic Lithologies Using Formation Micro-Imaging, Wireline Logs and Outcrop Analogs: A Case Study From the Rosebank Field, West of Shetland:** B. Raitathatha
- **Evaluating the Petroleum Systems of the Southern Atlantic Conjugate Margins:** J. A. Malan, E. Sutcliffe, S. Mazur, D. A. Sagi, P. Webb
- **Petroleum Geochemistry of Hydrocarbons in Gadiaga Field, Senegal: A New Lower Jurassic Lacustrine Source Rock and Play Identified:** A. D. Carr

Theme 4: New and Emerging Exploration Basins II

Chair: Andy Davies

- **Sill Emplacement and Forced Folding in the Canterbury Basin, Offshore South East New Zealand:** C. Magee, J. Reeves, C. A. Jackson
- **Unravelling South Africa's Frontier Offshore Areas:** J. A. Malan, E. Sutcliffe*, K. Gardner, L. Hartley, P. Webb
- **Controls on Syn- and Post-Breakup Igneous Activity at the Magma-Poor Rifted Southern Australian Margin:** S. Holford, N. Schofield, P. Reynolds, F. Meeuws
- **Impact of Late Mesozoic and Younger Tectonics on Half-Graben Filling and Petroleum Prospectivity of the Canterbury Basin, New Zealand:** A. Barrier, A. Nicol
- **Precambrian Plays in Africa: The Ignored Exploration Targets:** T. Piperi, C. Tomé

Theme 10: Petroleum Systems and Basin Modeling II

Co-Chairs: S. Luening and J. Mayer

- **Accessing the BP Petroleum Prediction Toolkit via Petrel – An Efficient Deployment of In-House Subsurface Tools:** H. Volk, C. J. Veale, M. J. Osborne
- **The Atlas of Petroleum Prospectivity, An Innovative Tool for Assessing New Zealand's Future Petroleum Potential:** D. Strogen, K. J. Bland, M. Arnot, H. Seebeck, T. R. Sahoo, M. J. Lawrence, R. L. Kellett, K. F. Kroeger, P. Viskovic, A. G. Griffin, A. F. Boyes, B. Lukovic
- **Spectrum of Gas Migration Phenomena Across Multi-Layered Sealing Sequences:** C. Bertoni, J. Cartwright, M. Foschi, J. Martin
- **Stable Carbon Isotope Analysis of Fluid Inclusion Gases for Charge History Reconstruction:** Z. Wan, P. D. Jenden, A. Schmidt Mumm, K. Aroui
- **Accounting for 3-D Geo-Mechanical Effects in Basin Modeling:** A. Bouziat, D. Colombo, J. Frey, N. Guy, M. Woillez, M. Cacas-Stentz, T. Cornu

Theme 9: Traps and Structural Geology I

Chair: E. Dempsey

- **Balancing Stratigraphic and Structural Controls on Basin Inversion:** S. J. Oldfield, D. Paton, T. M. Torvela, E. K. Bramham, A. Mora
- **The Structural Evolution of the Brae-Trend Fields, South Viking Graben:** R. J. Jamieson, J. R. Underhill
- **Distribution and Preservation of Sand-Rich Deposits in Rift Basins Affected by Salt Tectonics: Lessons Learned From the Middle Jurassic–Lower Cretaceous of the Dutch Offshore:** R. Bouroullec, R. Verreussel, M. Zijp, G. de Bruin, D. Korösi

- **Fracture Basement Plays:** A. Rasmy
- **Seismic Imaging of the Overturned Limb of a Footwall Syncline in the Alberta Foothills of the Canadian Rocky Mountains and its Impact on Exploration:** A. C. Newson
- **Modeling the Transmissibility of Faults in Carbonate Reservoirs:** E. Michie, G. Yielding, Q. Fisher
- **Controls of the Pre-Existing Structures on Post-Jurassic Deformation Within the Porcupine Basin, Offshore West Ireland:** M. Saqab, E. Delogkos, C. Childs, J. Walsh
- **The Lonian Fold-and-Thrust Belt in Central and Southern Albania: A Petroleum Province With Triassic Evaporites:** Z. Bega, J. I. Soto*
- **Bannu Basin, Fold-and-Thrust Belt of Northern Pakistan: Subsurface Imaging and Its Implications for Hydrocarbon Exploration:** I. Ahmad Abir, S. Khan, G. Aziz, S. Tariq
- **Crustal Structure and Tectonic Evolution of the Northern Perth Basin, Australia:** L. S. Hall, G. Sanchez, I. Borissova, L. Pryer, C. Southby, Z. Shi, R. Hackney

Theme 7: Carbonate and Clastic Reservoirs in Asia and Asia-Pacific

Chair: G. Nichols

- **Petrographic Characteristics and Reservoir Quality of Paleozoic-Mesozoic Formations of the An Chau Basin, Onshore North Vietnam:** H. A. Tuan, V. P. Tien, N. H. Nguyen, L. H. Nielsen, M. B. Fyhn, I. Abatzis, H. T. Nguyen
- **Seismic Geomorphology and Evolution of the Early-Mid Miocene Isolated Carbonate Build-Ups, North West Shelf of Australia:** M. Saqab, J. Bourget
- **Quantifying Uncertainties Around Net Rock Volume: Application of Analog Informed Facies Models:** A. ten Hove, S. Cobain, B. Meyer, L. Colombera, N. P. Mountney
- **Innovative Fluid Identification Method by Integrating Array Dielectric Measurements, Nuclear Magnetic Resonance and Spectroscopy Data: One Case Study in the Low Contrast Complex Oil Reservoir, Bohai Bay, China:** J. Wu, J. Wang
- **Seismic Sedimentology of a Deeply Buried Platform Carbonate System: LWM Formation, Cambrian, Moxi-Gaoshiti Area, Sichuan Basin, China:** H. Zeng, Z. Xu, S. Hu, Q. Fu, W. Zhao
- **Lithofacies, Cycles, and Diagenesis Controls on Dolostone Reservoir Quality for the Lower Cambrian Longwangmiao Formation in Central Sichuan Basin, Southwest China:** S. Shi, S. Hu, Q. Fu, Z. Xu, L. Jiang
- **From Elemental XRF Analysis, SEM to Chemical Stratigraphy and Reservoir of Mixed Sedimentary Rocks: The Middle Permian of Jimsar Depression, Junggar Basin, China:** S. Zhang
- **Cold Water Travertine Shrubs: Implications for Pre-Salt Shrubs in the South Atlantic:** L. Guo, R. Riding, A. Virgone
- **Unraveling Gunung Botak Sandstones: An Implication for Triassic to Jurassic Reservoir Characterization of the Bird's Head Area, West Papua, Indonesia:** I. Gunawan, A. Shirley*, W. Kurniawan
- **Lithochemical and Petrographic Analyses of Bazhenov Black Shales (Western Siberia, Russia):** A. Gavrilov, M. Tugarova

Technical Program Tuesday

* indicates presenter is other than first author

Tuesday Morning Oral Presentations

Theme 8: Fractured Shale Reservoirs

Co-Chairs: A. Hakami and E. Kruijs

- **Keynote: Modeling of Gas Production From Shale Matrix to Fracture Network:** V. Kudapa, S. Kumar*, D. K. Gupta, P. Sharma, A. Sinha
- **On the Comparative Hydraulic Conductivity of Thin, Planar Cracks in Shale, Sandstone, and Granite as a Function of Shear and Normal Stress:** E. H. Rutter, J. Mecklenburgh
- **Fractured Reality: Lateral Variations in Fractured Shales at Outcrop, Application for Subsurface Analogs:** S. Daniels, J. Imber, R. Jones, M. Wilkinson, J. J. Long, D. Oxlade, S. Gilment
- **Fracture Propagation During Fluid Injection Experiments and Indentation in Shale:** M. Chandler, J. Mecklenburgh, E. H. Rutter, A. Fauchille, R. Taylor, P. D. Lee
- **Refreshment Break**
- **Deciphering the Isotopic Code: A New, Online Technique for Measuring Carbon Isotope Fractionation in Shale Gas:** R. J. Davey, M. Sephton, C. Smalley
- **Fast Shear Azimuths in the Marcellus Shale From VSP and Dipole Sonic Data:** S. A. Horne, D. Rampton
- **Solving Fracture Complexity With a New Approach Integrating Facies Derived Borehole Images and Borehole Acoustics Reflection Survey for a Better Completion Strategy, Wolfcamp, West Texas:** O. Zened, E. Haddad, C. Contreras, V. Vallega, E. Arteaga, G. Martinez
- **Textural and Diagenetic Controls on Pore Systems in the Cretaceous Eagle Ford Formation:** I. Gaiani, A. C. Aplin, C. H. Greenwell, P. Cubillas, R. J. Day-Stirrat

Theme 10: Global Petroleum System Evaluation Case Studies I

Co-Chairs: S. Luening and R. Sachsenhofer

- **Keynote: An Evaluation of Shale Gas Potential in the Bowland Shale, United Kingdom, Using Sequential High Water Pressure Pyrolysis and Methane Absorption:** C. E. Snape, P. Whitelaw, C. N. Uguna, L. Stevens, C. Vane, A. D. Carr
- **Depositional Framework of Petroleum Systems, Browse Basin, Offshore North West Shelf, Australia:** N. Rollet, E. Grosjean, D. Edwards, T. J. Palu, K. Higgins, S. Abbott, M. Lech, J. Totterdell, D. Nguyen, C. Boreham, L. S. Hall, M. Gunning, C. Nicholson
- **Impact of Salt Tectonics on the Maturation of Pre-Salt Source Rocks: Case Studies From Onshore and Offshore Yemen:** T. M. Rainer, J. Mayer, G. C. Tari
- **Refreshment Break**
- **Petroleum Prospectivity of the Houtman Sub-Basin, Offshore Perth Basin, Australia:** L. S. Hall, I. Borissova, E. Grosjean, C. Southby, R. Owens, G. Bernardel, C. Mitchell
- **Basin Modeling in Marginal Basins of the Norwegian Southern North Sea: Post-Mortem Studies of Selected Wells and Areas:** B. Dahl, I. Meisingset
- **Paleogeographic and Paleoclimatic Perspectives on the Distribution of Lower Jurassic Source Rocks in the North Sea:** A. J. Houben, S. Nelskamp, T. Goldberg, R. Verreussel

- **North Atlantic Regional Geohistory and Crustal Modeling for the Vøring and Møre Margin: Constraints on Palaeoenvironmental Reconstruction and the Predictive Mapping of Source and Reservoir Rocks:** J. P. Harris, A. D. Alvey, A. Ashley, L. Schanke Eikum, I. L. Ferriday, C. Gilman, E. Kassabji, N. J. Kusznir, S. More, S. Pyman, A. M. Roberts, M. Swierczek, A. K. Uffmann, P. Valdes, J. Watson

Theme 3: Exploration in Mature Basins: North Sea

Co-Chairs: T. Mckie and G. Wansink

- **Keynote: Role of Tectonic Inversion in the Structural Evolution and Petroleum Prospectivity Along the Northern Margin of the Southern Permian Basin:** J. R. Underhill
- **3-D Seismic Geomorphological Mapping of Clastic and Carbonate Reservoirs – The Farsund Basin, Offshore Southern Norway:** T. B. Phillips, C. A. Jackson, R. Bell, A. A. Valencia
- **Potential for Near Field Exploration in the North Sea - Missed Sand Injectites:** M. S. Berg, V. Lampart
- **The Role and Value of an Integrated But Sedimentology-Led Approach to Creating New Value in Mature Basins – Lessons From a North Sea Discovery Around Basement Highs:** G. Giwa, T. Pakenham-Walsh
- **Refreshment Break**
- **Controls on Lower Carboniferous (Dinantian) Frontier Basin Exploration Play Success in the Mid-North Sea High:** M. Booth, J. R. Underhill, R. J. Jamieson, R. Brackenridge
- **Syn-Rift Tectonostratigraphy of the Dutch Central Graben, Terschelling Basin and Surrounding Platforms During the Middle Jurassic – Early Cretaceous in the Northern and Eastern Dutch Offshore:** R. Bouroullec, R. Verreussel, K. Geel, D. Munsterman, G. de Bruin, M. Zipp, N. Janssen
- **Cause and Effect of Supra-Salt Decoupling on Mesozoic Graben Formation in the United Kingdom Southern North Sea:** R. J. Grant, J. R. Underhill, R. J. Jamieson, J. Hernandez Casado, R. M. Williams
- **Analog Play Statistics for Improved Pre-Drill Risking:** K. Myers, J. Collard, R. Stevens

Theme 4: Identifying the Play

Co-Chairs: T. Garwood and M. Ireland

- **Keynote: Somalia – The Last Remaining Exploration Frontier:** D. Paton, H. Kearns, R. Stanca, K. Rodriguez, N. Hodgson, A. A. Hussein
- **What Lies Beneath? Insights From a New Regional Seismic Survey Across Somaliland's Onshore Basins:** J. Fisher, M. Adams, B. Ciftci
- **Paleozoic Frontier Plays Along the Western Flanks of the Northern North Sea Rift System (UKCS): The East Shetland Platform:** S. Patruno, W. T. Reid
- **The United Kingdom Rockall Trough, Northeast Atlantic: An Extinct Young Ocean Basin or a Failed-Breakup Basin?:** A. M. Roberts, A. D. Alvey, N. J. Kusznir, G. Yielding
- **Refreshment Break**
- **Revitalizing Hydrocarbon Prospectivity Bay of Biscay:** R. Di Cuia, P. Pace, M. Marian, R. Bitonte

Technical Program Tuesday

* indicates presenter is other than first author

- **Deep-Water Folds Offshore Morocco – An Exception to the General Perception of the Non-Prospectivity of Oceanic Crust:** M. Neumaier, R. Littke, S. Back, P. Kukla, M. Schnabel, C. Reichert
- **Syn-Rift and Post-Rift Petroleum Systems in the North Falkland Basin:** D. McCarthy, D. Jones, K. Johnson, T. J. Dodd
- **The New Geological-Tectonic Framework of Parecis Basin:** E. M. Loureiro, P. T. Menezes, M. Heilbron

Special Session: Landmark Discoveries of the Last 100 Years

Co-Chairs: J. Craig and F. MacAulay

- **Keynote: Dr. Andrew Latham, Head of Exploration Research, Wood Mackenzie**
- **USA: Rasoul Sorkhabi, Research Professor, Energy & Geoscience Institute, University of Utah**
- **FSU: Ken Sorensen**
- **Middle East: Sa'id Hajri, Manager, Exploration Technical Services, Saudi Aramco**
- **Refreshment Break**
- **North Sea: Dr. John Underhill, Shell Professor of Exploration Geoscience and Chief Scientist, Applied Geoscience Unit, Institute of Petroleum Engineering, Heriot-Watt University**
- **South America: Victor Vega, Exploration Business Development Manager, Shell Exploration and Production Company**
- **Africa: James Painter, President of Exploration and Appraisal, Cobalt International Energy, Inc.**
- **Mediterranean: Matt Warner, Africa New Ventures Manager, BP Exploration**

Theme 2: Sedimentology and Stratigraphy of Arctic Basins

Co-Chairs: E. Fleming and D. Houseknecht

- **Keynote: Tectonics and Seismic Stratigraphy of the Arctic Ocean Based on New Russian Geophysical Data:** A. M. Nikishin, E. I. Petrov, C. Gaina, N. A. Malyshev, S. Freiman
- **Lower Cretaceous Biostratigraphy of Kilen and Peary Land, Wandel Sea Basin, North Greenland and Its Implications for Correlation With the Sverdrup Basin, Arctic Canada, and Svalbard:** E. Sheldon, B. W. Lauridsen, P. Alsen, J. Hovikoski
- **Seismic Stratigraphy and Development of Large Basins and Structures Offshore Southern West Greenland:** U. Gregersen
- **Seismic Multi-Attribute Analysis of Deep-Water Sediments – Towards a Stratigraphic Exploration Model for the Palaeocene-Eocene on the Southern West Greenland Margin:** T. Varming, L. Stemmerik
- **Refreshment Break**
- **The Early to Middle Cenozoic Paleoenvironment and Erosion Estimates for the Northwestern Barents Sea:** A. Lasabuda, J. Laberg, S. Knutsen, P. Safronova
- **Sedimentological Data From the Tanquary High: New Constraints for the Extensional History of the Sverdrup Basin and the Northeast Canadian Arctic:** B. Lopez-Mir, P. Hülse, S. Schneider
- **Basin and Petroleum Systems Modeling of the Olga Basin, Northern Barents Sea:** R. Lutz, P. Klitzke, P. Weniger, M. Blumenberg, D. Franke, K. Berglar, L. Reinhardt

- **The Leirdjupet Fault Zone, Barents Sea – The Nature and Timing of Deformation in a Complex Fault Zone:** C. Reilly, H. Anderson, K. Dittmers, F. Karlsen, I. Kjorsvik

Theme 5: Deepwater – Physical Modeling, Depositional Models, and Paradigm Shifts

Co-Chairs: B. Cronin and B. Kneller

- **Keynote: The Value of Integrated Analogs in Deepwater Systems: Examples From Slope Channels:** B. Kneller, N. Nair, R. Lopez Jimenez, G. Bozetti
- **Frontal Splay Geometry, Distribution, Connectivity, and Reservoir Characterization in a Mid-Slope Environment: The Jubilee Field, Offshore Ghana:** B. T. Cronin, K. Dawson, R. Visser, S. Corrigan, E. Deloof-Leguevacques
- **The Influence of Flow Efficiency and Degree of Confinement on the Architecture of Sheet-Like Turbidite Systems:** Q. Liu, B. Kneller, C. Fallgatter, V. Valdez
- **Transitional Event Deposits (TEDs) of the Cerro Toro Formation: Implications on Deep-Water Exploration and Production in Submarine Channel Systems:** G. Bozetti, B. Kneller, B. T. Cronin
- **Refreshment Break**
- **Is Froude Flow Criticality Relevant in Sediment-Transporting Turbidity Currents?:** B. Arnott, M. Tilston
- **Modeling Deep-Water Lobe Systems Using Process-Derived Concepts and NURBS Surfaces:** G. H. Graham
- **Predicting Intra-Slope Submarine Fan Architectures Using High Resolution Forward Stratigraphic Models:** N. Hawie, J. Covault
- **Hierarchical Characterization of Submarine Channels for Compression Based Object Modeling:** K. Soni, T. Manzocchi, P. Houghton

Theme 7: Carbonate and Clastic Reservoirs – Middle East and North Africa

Co-Chairs: R. Davies and J. Garland

- **Keynote: Hydrothermal Processes and Reservoir Quality in Carbonate Reservoirs: Good, Bad, or Ugly?:** C. Hollis
- **Waterflood Management of a Giant Oil Field by Integrating Detailed Sedimentological and Dynamic Data of the Mishrif Carbonate Reservoir, Rumaila Field, Iraq:** K. Totton, A. Matthews*, M. Pointing, J. Gardener, C. Lehmann
- **Paired Clumped Isotopes and Radiogenic Isotopes to Reconstruct the Thermal History of Carbonate Reservoirs: A Case Study From the Cretaceous Carbonates of Resolution Guyot, ODP Leg 143/144:** M. Gusarevich, C. M. John, R. Parish *, D. Rood
- **Carbonate Diagenesis in a Sequence Stratigraphic Framework: Case Study From Miocene Dam Formation, Eastern Saudi Arabia:** M. Salih, O. Abdullatif, K. Al-Ramadan, M. A. Bashri
- **Refreshment Break**
- **Jurassic Carbonate Platforms Along the Agadir-Essaouira Basin, Morocco: An Outcrop Analog for Central Atlantic Margin Carbonate Systems:** A. Duval-Arnould, S. Schroeder, J. Redfern, L. Bulot
- **High-Density Surveillance in a Supergiant Field: Integrating Clastic Sedimentology With Dynamic Data in a Mature Waterflood:** E. Jude, M. Wells, R. Brown, D. Camplin

Technical Program Tuesday

* indicates presenter is other than first author

- **The Diverse Turbidite Reservoirs of the West Nile Delta Gas Development Project:** J. M. Henton, P. D. Woodman, A. Chauhan, M. Zahran
- **The Development and Integrated Reservoir Characterization of Adjacent Deepwater Pliocene Turbidite Gas-Fields: Taurus and Libra Fields, West Nile Delta, Egypt:** P. D. Woodman, A. Chauhan

Theme 6: Non-Seismic Geophysics

Co-Chairs: H. Granser and L. Lorenz

- **Keynote: Integration of Electromagnetic Data for Use in Characterization of Reservoir Prospects in the Hoop Area of the Barents Sea:** P. Alvarez, F. Marcy, M. Vrijlandt, K. Nichols*, R. Keirstead, M. Smith, H. Tseng, F. Bolivar, S. Bouchrara, J. Rappke, L. MacGregor
- **Review of Geological Controls on Resistivity in Uplifted Basins: Insights From the Norwegian Barents Shelf:** K. Senger, S. Ohm, K. Ogata, S. Olaussen
- **The Use of CSEM and the Exploration Challenges in the Voring Basin (Norwegian Sea):** A. Stefatos, A. Vereshagin*, G. Vardoulas, S. Helle, T. Wedberg, S. Sperrevik
- **Integrated Interpretation of Geophysical Data Over the North West Shelf, Australia (Westralia ACCESS project):** B. Spurgeon, B. Cameron, J. Greenhalgh
- **Refreshment Break**
- **Innovative Electromagnetic Technology Breakthrough for Saturation Mapping in the Interwell Reservoir Volume:** A. F. Marsala, S. Lyngra, S. Alsaif, S. Ma, P. Zhang, W. Abdallah, M. Ramadan

- **Integration of High Resolution Gravity and Seismic Data Interpretation Techniques for Onshore Frontier Hydrocarbon Exploration: Examples From the East African Rift:** C. Hamilton, K. Hirsch, S. N. Thackrey, C. Gunn, M. Hertle
- **An Integration of Seismic and Non-Seismic Methods in Search of Hydrocarbons: Case Study From Southwest Britain:** K. Pisaniec, I. Guerra, G. Bancala, J. Penwarden, A. Furber, C. Leone, G. Watts, M. Gall, P. Napier, M. Ibram
- **Extending Existing Technology to Explore Near Surface Geology With New Techniques in Acquisition, Processing, and Interpretation:** M. E. Parsons, D. Burrows, C. Van Galder

Tuesday Morning Poster Presentations

Theme 9: Traps and Structural Geology II

Chair: G. Bertotti

- **The Effects of Deformation Bands on Uranium-Bearing Fluid Migration in Sedimentary Sequences, Flinders Ranges, South Australia:** D. C. Lubiniecki, R. King, S. Holford, M. A. Bunch, S. Hill, S. Hore
- **Insights Into Polygonal Fault System Termination From Detailed Upper Fault Tip Analysis:** J. J. King, J. Cartwright, B. Levell
- **Intrasalt Structure and Strain Partitioning in Layered Evaporites: Insights From the Messinian Salt in the Eastern Mediterranean:** S. L. Evans, C. A. Jackson



Technical Program Tuesday

* indicates presenter is other than first author

- **2-D to 3-D Fracture Network Detection and Forecasting in a Carbonate Reservoir Analog Using Multiple Point Statistics (MPS):** P. Bruna, N. Hardebol, K. Bisdom, J. Straubhaar, G. Mariethoz, G. Bertotti
- **Structural Permeability in Australian Sedimentary Basins:** A. H. Bailey, R. King, S. Holford, M. Hand
- **Controls on Normal Fault Growth Along Australia's Rifted-to-Passive Southern Margin Using the Analysis of 3-D Seismic Datasets:** A. G. Robson, R. King, S. Holford
- **Evolution of a Neotectonic, Intraplate Reverse Fault Zone: The Paralana Fault Zone, Northern Flinders Ranges, South Australia:** J. Berthiaume, R. King, S. Holford, M. A. Bunch
- **The Influence of Reverse-Reactivated Normal Faults on Fault Damage Zone Characteristics in Sandstones: A Case Study at Castle Cove, Otway Basin:** N. Debenham, S. Holford, R. King, D. Healy
- **Deriving Relationships Between Diapir Spacing and Salt Layer Thickness:** K. Hernandez, N. Mitchell, M. Huuse
- **Modeling of Fault and Fold Systems in 3-Dimensions: Insights Into Fault/Fold Initiation, Growth and Linkages:** J. Hammerstein, K. McClay

Theme 1: Global Geoscience

Chair: F. MacAulay

- **Seismic Characterization of Thermal Regime in the Luderitz Basin Offshore Namibia:** A. Sarkar, B. Campbell, M. Huuse
- **A Source to Sink Study Along the African Equatorial Atlantic Margin: Implications for Exploration:** I. Sevastjanova, A. Redmile, C. Davies, M. Harland, L. Wilson
- **The Impact of Recalibrating Palynological Zones to the Chronometric Timescale: Revised Stratigraphic Relationships in Australian Permian and Triassic Hydrocarbon-Bearing Basins:** T. E. Smith, T. Bernecker, S. Bodorkos, J. Gorter, L. S. Hall, T. Hill, E. Holmes, A. Kelman, K. Khider, J. Laurie, M. Lech, J. McKellar, A. Mory, R. Nicoll, R. Owens, T. J. Palu, L. Phillips, M. Stephenson, G. Wood
- **South China Sea Crustal Thickness and Oceanic Lithosphere Distribution From Satellite Gravity Inversion:** N. J. Kuszniir, S. Gozzard, A. D. Alvey, A. M. Roberts

Student Research Poster Session I

Chair: E. Frankowicz

- **Thickness and Facies Trends Along Depositional Dip in Turbidite Sand Sheets (Cerro Toro Formation, Magallanes Basin, Chile; and Cingoz Formation, Adana Basin, Turkey) – Any Implication for Allogenic Cycles?:** J. Wu, B. Kneller
- **Diagenesis of the Permian Ecca Group Sandstones and Mudstones in the Eastern Cape Province, South Africa: Implications for the Shale Gas Potential in the Karoo Basin:** C. Baiyegunhi, K. Liu
- **A New Approach to Estimate Gas Deliverability in Gas-Condensate Reservoir With Compaction Drive Mechanism:** A. Fauzi, Y. Ifandy, N. Marpaung, N. Fitriani
- **Re-Visiting the Hydrocarbon Potential in the Southwest Hammerfest Basin – Barents Sea:** R. Karimova, D. Harishidayat, S. J. Lippard

Student Research Poster Session II

Chair: E. Frankowicz

- **Deepwater Mudrock Depositional Processes and Sequence Stratigraphy in the Permian Icehouse to Greenhouse Transition, Karoo Basin, South Africa:** K. Boulesteix, S. Flint, K. Taylor, M. Poyatos-More, D. Hodgson
- **Estimation of Methane From Kerala-Konkan Onshore Peatlands of West Coast India by Ground Penetrating Radar Method:** D. K. R. R. Nair
- **Role of Continental Margin Geometry on Structural Styles and Prospectivity in Southern Sicily:** A. Polymeni, J. R. Underhill, R. J. Jamieson
- **Emplacement and Biodegradation of Oil in Fractured Basement: The 'Coal' Deposit in Moinian Gneiss at Castle Leod, Ross-Shire:** J. Parnell, M. U. Baba*, S. Bowden
- **Quantification and Monitoring of Fluid Phase Behavior and Trapping in Geological Carbon Sequestration Sites:** C. V. Jones, C. Madonna, G. Maitland, R. Pini, M. Trusler
- **Assessing the Applicability of Biological Trait Analysis (BTA) in Deciphering the Ecological Functioning of Microfossil Communities Across the PETM:** C. N. Nwojiji, F. Marret
- **Upper Cretaceous Calcareous Nannofossils Biostratigraphy and Palaeoceanographic Significance of Fiq Formation, North Oman:** Z. Al Rawahi
- **3-D Characterization and Volcanic Eruption Phases of Volcanic Rocks in Southern Songliao Basin:** F. Meng
- **Magnetic Fabric and Paleomagnetic Study of the Calimani Mountains' Pyroclastic Deposits (East Carpathians, Romania):** S. A. Sortan, C. G. Panaiotu, D. Dimofte, R. D. Roban
- **Impact of Hydrocarbon Production on a Reservoir Using 4-D Seismic Data:** M. Tomasgaard, L. Schulte, N. Cardozo

Theme 7: Carbonate and Clastic Reservoirs in Europe and Sub-Saharan Africa

Chair: R. Di Cuia

- **Analysis of Fluvio-Lacustrine Depositional Environments, East African Rift: Sedimentary Architectures and Relationships to Rift Stage:** D. Somerville, N. P. Mountney, L. Colombero
- **3-D Multi-Scale Characterization of Fractured Carbonates in Field Analogs on the Maltese Islands: Workflow and Preliminary Results:** M. Martinelli, A. Bistacchi, S. Mittempergher, F. Balsamo, A. Succo, F. Storti, P. Bruna, G. Bertotti, M. Meda
- **Smectite Grain Coatings: A New Discovery on Its Positive Effect on Porosity Preservation:** L. Tang, J. Gluyas, S. Jones
- **Impact of Depositional Environment on Reservoir Quality and Hydrocarbon Production:** K. Aliyuda
- **Iron Mineral Cementation in Shallow Marginal Marine Sandstone: Controls on Porosity Preservation by Chlorite Grain Coatings – A Case Study From Cook Formation, Knarr Field, North Sea:** A. Lawan, R. Worden, J. Churchill

Technical Program Tuesday

* indicates presenter is other than first author

- **Fracture Attribute Characterization in Karstic Field Analogues by a Combined Field and High-Resolution Terrestrial Photogrammetry Approach: Application to the Tightly Folded, Shallow-Water Carbonate Platform Rocks in the Pag Island, External Dinarides of Croatia:** A. Succo, S. Mittempergher, F. Balsamo, A. Bistacchi, F. Storti, P. Bruna, G. Bertotti
- **The Link Between Sedimentary Provenance and Reservoir Quality in the Triassic of the Southwest Barents Shelf:** E. J. Fleming, M. Flowerdew, A. Morton, D. Frei, J. Omma, H. Smyth, S. Daly
- **Outcrop Analogs for Reservoir Characterization – Examples From Lusitanian Basin's Post-Rift Units:** N. Pimentel, R. Pena dos Reis, J. Magalhães
- **Detailed Reservoir Characterization and Facies Distribution of Upper Badenian Channel-Levee-Overbank Systems: Implications for Exploration Work in Between Mature Fields of the Northern Vienna Basin, Austria:** L. Lerchbaumer, W. Siedl, P. Strauss
- **Assessing the Link Between Provenance and Reservoir Quality: A Case Study From the Slyne Basin, Offshore Western Ireland:** J. Franklin

Theme 8: Unconventional II

Chair: A. Hakami

- **Monitoring the Temporal Evolution of Ground Instability in Areas of Historic Coal Mining: Application of Intermittent SBAS in the United Kingdom:** D. C. Gee, A. Sowter, S. Marsh, S. Grebby, L. Bateson
- **The Early Silurian Qusaiba Member as an Unconventional Gas Play in Northern Saudi Arabia: Evidence for Hydrothermal Alteration:** S. Hayton, H. Jaeger, L. Ellis, C. Harran, M. Elasmir, P. Luo, K. Ertug, M. Vecoli
- **Synchrotron Quantification of 4-D Subcritical Fracture Growth During Double Torsion Experiments:** A. Fauchille, M. Chandler, H. Kim, M. Mostafavi, S. Hedan, E. Rutter, L. Ma, J. ecklenburgh, P. D. Lee
- **Lithofacies and Paleoenvironments of the Late Ordovician Sarah Tight Sand, Subsurface of the Rub' Al-Khali Basin, Saudi Arabia:** A. Alqubalee, O. Abdullatif, L. Babalola, A. Sahin
- **A Large Unconventional Gas Condensate Discovery in the Ordovician Tight Sands of Central Saudi Arabia:** J. E. Harrington, R. H. Richards
- **High-Resolution Chemostratigraphy of the Woodford Shale in the McAlister Quarry, Ardmore Basin, Oklahoma: Implications for Depositional Conditions and Stratigraphic Subdivision:** I. C. Ekwunife, R. M. Slatt
- **Application of Spectral Gamma Ray, TOC and Lithofacies to the Recognition of T-R Stratigraphic Surfaces in the Horn River Shales:** J. Woo, S. Yoon, C. Rhee
- **Paragenesis and Microporosity Evolution in the Lower Carboniferous (Arundian) Bowland Basin Mudstones:** T. Ohiara, K. Taylor, P. Dowey
- **Advanced Particle Shape Analysis in Conglomerate Reservoir From Borehole Resistivity Image:** S. Yang, I. Le Nir, Y. Yuan, S. Li

- **A New Gas Identification Method Based on Neutron Gamma Logging:** D. Xing, Y. Fan, X. Ge, F. Li

Tuesday Afternoon Oral Presentations

Theme 8: Unconventional Gas Case Studies and Economics

Co-Chairs: K. Chebotar and M. Stephenson

- **Keynote: On the Path to a Commercial Unconventional Play in Argentina: De-Risking of the Vaca Muerta Resource Play, Neuquen Basin:** V. Jain, E. Kruijs, M. Thomas
- **The Montney Play of Western Canada: Deposition to Development:** T. Euzen, T. F. Moslow, M. Caplan
- **Reservoir Facies and Characteristics of the Montney Formation Resource Play in the Western Canada Sedimentary Basin:** T. F. Moslow, M. G. Adams, A. Terzuoli, B. Haverslew
- **Coupling Geoscience and Reservoir Engineering Perspectives in Optimization of Completions and Well Spacing: A Case Study From a Jurassic Unconventional Play in Saudi Arabia:** A. M. Hakami, C. Kurison*
- **Refreshment Break**
- **Systematic Variations in Eagle Ford Shale Porosity and Pore Size Distribution Revealed by High Resolution Scanning Electron Microscopy – Implications for Basin Modeling:** M. J. Osborne
- **Assessment of Unconventional Oil and Gas Resources of the Lusitanian Basin, Portugal:** C. J. Schenk
- **Multi-Scale 3-D Quantification of Porosity and Organic Matter Variations in European and U.S. Shale Reservoirs:** L. Ma, P. Dowey, A. Fauchille, K. Taylor, P. D. Lee
- **The Controlling Factors and Quantitatively Assessing Modeling of Adsorbed Shale Gas: A Case Study of the Upper Triassic Yanchang Formation, Ordos Basin, Central China:** L. Wei, X. Pang, B. Zhang, B. Cui

Theme 10: Global Petroleum System Evaluation Case Studies II

Co-Chairs: R. Eschard and J. Mays

- **Keynote: Permo-Triassic Petroleum Systems of the East African Coastal Basins:** D. R. Boote, C. Matchette-Downes, R. Sorkhab
- **The Petroleum Potential of the Offshore Sirt Basin, Libya, Defined Using New, Mega-Regional Seismic Data:** E. C. Gillbard, K. G. McDermott, B. W. Horn, D. Hallett, D. Clarke-Lowes
- **Burial History Modeling and Reservoir Quality in Exhumed Basins: Insights From the Illizi Basin, Algeria:** K. L. English, J. M. English, J. Redfern, C. Hollis, R. Lander, L. Bonnell, D. Corcoran, R. Yahia Cherif
- **Deciphering Phanerozoic km-Scale Vertical Movements in Morocco: A Qualitative and Quantitative Study of Post-Variscan Source-to-Sink Systems:** R. Charton, G. Bertotti, T. Lubert, A. Arantegui, J. Redfern
- **Refreshment Break**
- **Burial and Exhumation History of the Labrador-Newfoundland Margin and Implications for Hydrocarbon Exploration:** P. Japsen, P. F. Green, J. M. Bonow, D. H. Wilton, A. M. Hinchey
- **Newfoundland – Ireland Conjugate Margin Oil Families: Siblings and Cousins Plus the Occasional Outsider:** J. Armstrong

Technical Program Tuesday

* indicates presenter is other than first author

- **Alaska Burger Prospect Evaluation – Insights From Geochemistry:** E. Inan Villegas, T. X. Homza, A. Rojas, R. Tingook, R. Pimentel Riobueno, J. Holroyd, P. N. Taylor
- **Predicting Fluid Phase in a Complex Setting, Yenisei Khatanga Basin, West Siberia, Russia: Is There a Big Oil Prize in This Under-Explored Basin?:** F. Rodriguez Monreal, Y. Kolosova, H. Volk, J. Winterbourne

Theme 12: History of Petroleum Geology

Co-Chairs: J. Craig and P. Krzywiec

- **Keynote: Groundbreakers: Re-Living Some Great Moments in Petroleum Geoscience:** H. Edmundson
- **The Middle Eastern Heritage of the Petroleum Industry: The Archaeology of Bitumen:** T. Van de Velde
- **The Search for Onshore Oil in the United Kingdom:** M. Q. Morton
- **United Kingdom Shale Gas (& Oil) Exploration From 1875 to Now:** R. Selley
- **Refreshment Break**
- **Ayoluengo: The Only Oil Field Onshore Spain:** J. Navarro Comet
- **The History of the Oil and Gas Exploration in Italy:** F. F. Cazzini
- **Birth and Development of Oil and Gas Industry in the Northern Carpathians (Until 1939):** P. Krzywiec
- **History of Petroleum Exploration in China:** J. Gao

Theme 4: Chasing the Play

Co-Chairs: M. Lakin and J. Pejjs

- **Keynote: Benchmarking Exploration Predictions and Performance Using 20+ Years of Drilling Results: One Company's Experience:** F. Goulding, K. Rudolph*
- **The Evolution of the Pre-Salt Play in the Kwanza Benguela Basins, Angola:** A. J. Witt, A. Bump, T. Love, F. Setzer
- **Expression of East African Rift Through Mass Transport Systems in the Angoche Basin, Mozambique:** K. Broadbent, D. Barlass, D. Rathee, S. Tewari
- **The Petroleum Prospectivity of the Apulian Carbonate Platform Margin and Key Tectonic and Stratigraphic Controls:** C. Caldarelli, R. Di Cuia, A. Riva
- **Refreshment Break**
- **Isolated Carbonate Platforms of the Mediterranean Region: Using Surface and Subsurface Analogs to Define Depositional Architectures, Reservoir Distribution, and Hydrocarbon Potential of an Attractive Exploration Target:** G. Rusciadelli, L. Burbi, L. Lipparini, P. Shiner, C. Ricci
- **Exploration Potential in an Enigmatic Pre-Triassic Sub-Basin in the Norwegian-Danish Basin:** V. Lampart, S. Baer, J. Beenfeldt
- **Linking Rifting History and Magmatic Cyclicity West of Britain:** F. Walker, N. Schofield, M. Hole, D. Jolley
- **Geology of the 5/22-1 (Errigal) Exploration Borehole, Northeast Rockall Basin, Offshore Western Ireland: The Role of North Atlantic Break-Up Magmatism on Petroleum System Development:** C. A. Jackson, C. Magee, C. Jacquemyn

Theme 7: Clastic Reservoirs – Atlantic and the Americas

Co-Chairs: L. Cowley and J. Redfern

- **Keynote: Challenges in Fluvial Reservoir Geology:** N. P. Mountney, L. Colombero, N. Yan, W. D. McCaffrey

- **Using Field Analog Data for Deterministic Subsurface Modeling of Fluvio-Deltaic Reservoirs in Incised Valley Settings (Carboniferous, Kentucky, USA):** A. Le Cottonnec, A. Moscariello, D. Ventra
- **Fluvial Sequence Stratigraphy and Facies Architecture of the Burro Canyon Formation Using UAV-Based Photogrammetry, Piceance Basin, Colorado:** J. J. Tellez, M. J. Pranter, R. Cole
- **Adopting an Integrated Multidisciplinary Source-to-Sink Approach to Better Understand and Predict Clastic Reservoir Presence and Quality:** H. Smyth, G. Nicoll, R. James, F. Kohlmann, L. Cowley
- **Refreshment Break**
- **Jurassic-Early Cretaceous Reservoir and Seal Facies From the North Atlantic Margin Basins of Eastern Canada and Southwestern Ireland:** A. McAfee, A. Rooks, J. Whiting, L. Man
- **"Leveraging the Outcrops" – The Key to Successful Exploration for Mesozoic Plays Offshore the Central Atlantic Margin:** J. Redfern, G. Bertotti, A. Duval-Arnould, J. Wang, R. Charton, L. Bulot, I. Muniz-Pichel, M. Huuse, T. Lubert
- **Stratigraphic Evolution of a Cretaceous Mixed (Turbidite-Contourite) System: The Polonio Drift System (PDS), Uruguay:** A. Creaser, F. Hernandez-Molina, P. Thompson, G. Badalini, M. Soto, B. Conti
- **Multi-Scale Heterogeneity Within Deep-Lacustrine, Partially-Confined, Slope-Apron Turbidite Fans: Examples From the Early Cretaceous, North Falkland Basin:** T. J. Dodd, D. McCarthy, P. C. Richards

Theme 2: Arctic Exploration Activity and Results

Co-Chairs: S. Drachev and E. Fleming

- **Keynote: Petroleum Systems Framework of Significant New Oil Discoveries in Arctic Alaska:** D. W. Houseknecht
- **Baffin Bay Elusive Plays: Geological Surprises of an Arctic Exploration Campaign:** M. Grecula, S. Wadsworth, D. Maloney, H. Lauferts, G. Cooke, A. Jones, S. Stevanovic
- **The Timing and Characteristics of Source Rock Intervals in the Late Cretaceous Kanguk Formation, Sverdrup Basin, Canadian Arctic Islands:** P. Hülse, A. Gize, J. Herrle, M. A. Pointon, S. Schneider, S. R. Kelly
- **Upper Ordovician Reefs in the Hudson Bay Basin: Potential for Hydrocarbon Reservoirs:** D. Lavoie, A. Castagner, O. Haeri Ardakani, A. Desrochers
- **Refreshment Break**
- **Recent Hydrocarbon Studies in the Baffin Bay, Northwest Greenland:** J. S. Adolfsson, U. Gregersen, P. Knutz
- **Source-to-Sink Study of the Southwestern Barents Sea Margin: Using Ancient Catchments to Constrain Reservoir-Quality Sandstone:** C. Eide, T. Klausen, D. Katkov, A. A. Suslova, W. Helland-Hansen
- **Undiscovered Resources in the Norwegian Barents Sea:** A. Ramirez, M. Bjørheim, A. Bjørnstad
- **Circum-Arctic Petroleum Systems: Where Is the Potential and What Are the Risks?:** O. J. Ralph

Technical Program Tuesday

* indicates presenter is other than first author

Theme 5: Emerging Deep-Water Provinces I

Co-Chairs: J. Flinch and P. Weimer

- **Keynote: Deep-Water Exploration and Production: Global Update Highlights a Major Transformation in the Last Decade:** J. Faroppa, H. S. Pettingill
- **A Revised Distribution of Mesozoic Sediments and Its Implications on Play Type Elements and Interpreted Leads Within the Orphan Basin, Offshore Newfoundland and Labrador, Canada:** D. McCallum, J. Carter, D. E. Cameron, V. Mitchell
- **Structural and Depositional Characteristics of Mesozoic Rift Section – Jeanne d'Arc to Flemish Cap Graben, Offshore Newfoundland and Labrador, Canada:** D. E. Cameron, J. Carter*, D. McCallum
- **The Consequences of Hyperextension on Deep Water Basins: Examples From the North Atlantic and Circum-Arctic:** R. C. Whittaker, B. E. Ady
- **Refreshment Break**
- **Early Cretaceous Stratigraphic Response to Hyperextension, Porcupine Basin, Irish Atlantic Margin:** L. Whiting, P. Haughton, P. Shannon
- **Dynamic Behavior of the MH1 Reservoir Interval in the Jubilee Field, Offshore Ghana: Monitoring and Interference Testing During Extended Shutdown Allowing Unique Study of Injector-Producer Connectivity in a Deep-Water Turbidite Frontal Splay Reservoir:** N. Menad, W. A. Bhatti, R. Visser, A. Osei, K. Dawson, B. T. Cronin, I. Demaerschalk, E. Deloof, P. Burgess, E. Loudon
- **Describing Depositional Model to Emerging Deepwater Exploration Province on Kawengan Group in Madura Strait, East Java Basin, as Pioneer Deepwater Exploration in Indonesia:** T. Wibowo
- **Assessment of Passive Margin Clastic Shelf Targets in the South Falkland Basin Through the Integrated Application of Geological, Geophysical and Rock-Physics Modeling:** B. J. Farrer

Theme 11: HSSE in Upstream E&P

Co-Chairs: G. Ingram and S. Maghlouth

- **Keynote: Mining the Diamond: Next Step in the Safety Journey:** J. Jackson
- **Improving Mobile Seismic Crews HSSE Performance:** S. K. LaFon
- **Towards Better Characterization of Air Emissions From Oil and Gas Exploration and Production Operations: Implications for Future Regulatory Regimes:** M. Gibbs
- **Monitoring CO₂ Injection at a 1,000,000 Metric Tonne Carbon Capture Utilization and Storage Demonstration Project:** R. Balch, R. Esser, R. Will
- **Refreshment Break**
- **Troll Area, Norwegian North Sea: Case Study of CO₂ Storage Sites in an Aquifer Under Depletion:** F. Riis, N. Pedersen, M. A. Birkeland, T. Hultgreen
- **Reducing Geologic Uncertainty Associated With Microseismicity Potential in Carbon Storage Projects:** H. E. Leetaru, R. Bauer, J. H. McBride, J. Freiburg

- **Underground Water Exploration Using Seismic Information, Electrical Logs and Seismic Attributes in La Guajira Basin, Colombia:** M. F. Rodriguez
- **Benthic Assessment of the Deepwater Horizon Accident: A Worm's Eye View:** D. A. Carey, J. D. Germano, K. Sturdivant, D. Doolittle

Theme 9: Traps, Seals, Fault and Fracture Networks

Co-Chairs: D. Paton and J. Urai

- **Keynote: Improved Definition of Faults in the Groningen Field Using Seismic Attributes:** M. Kortekaas, B. Jaarsma, B. Schroot
- **Internal Structures of Fault Zones and Their Relationship With Shallow Gas Migration and Accumulation in Sanhecun Sag, Jiyang Depression East China:** Y. Li, M. Zha, C. Gao, J. Qu, X. Ding
- **Structural Traps in the South Falkland Basin:** D. McCarthy, T. J. Dodd
- **Tectono-Stratigraphic Evolution of the Centaur 3-D Survey, Exmouth Plateau, North West Shelf, Australia:** S. Gumprecht, K. McClay, N. Scarselli
- **Refreshment Break**
- **Coupled 3-D Stratigraphic and Fault Seal Modeling to Predict Hydrocarbon Migration and Trapping in the Western Ceduna Sub-Basin, Australia:** L. Langhi, J. Strand, A. Ross
- **Half Graben Evolution in the Kopet Dagh Fold and Thrust Belt – Sedimentation and Paleo-Current History:** R. Noemani Rad, G. Gharabeigli, B. Soleimany
- **Structural Architecture and 4-D Evolution of the Central Exmouth Plateau, Northwest Shelf, Australia:** A. Bilal, K. McClay, N. Scarselli
- **Structural Model of the Lough Allen Basin: Implications for Shale Gas Exploration and Production:** J. Guo, J. Walsh

Tuesday Afternoon Poster Presentations

Theme 3: Exploration in Mature Basins – Asia and Africa

Chair: J. Froute

- **Jurassic Sedimentary System Transition in Western Sichuan Foreland Basin and Its Evolution Model:** J. Liu
- **Seismic Attributes for Differential Compaction Features in Fluvial Channel Complex and Reef Carbonate Buildups: Case Study From Malaysia Basins:** N. M. Makhatar
- **Oligocene Unconformity and Depositional Model Update: Application for Hydrocarbon Prospectivity, Llanos Basin, Colombia:** I. Iregui, A. Medina, I. Becerra, M. Morales, D. Quinche
- **Predicting Sand Bodies in Non-Channel-Fed Areas:** Z. Jiang, J. Wang
- **Late Jurassic Carbonate Buildups – Promising New Gas Potential in Sarakhs Plain, Northeastern Iran:** R. Noemani Rad, S. Sherhati, M. Kavooosi
- **Fractured Granite Reservoir Characteristics in Eastern Edge of Cuu Long Basin, Offshore Vietnam:** H. N. Tran
- **Formation Mechanism and Distribution of Lacustrine Carbonate Reservoir in Yingxi Area of Qaidam Basin (Northwest China):** C. Zhu, Z. Liu, S. Li, Q. Gong

Technical Program Tuesday

* indicates presenter is other than first author

- **A 'Wind-Source-Basin' Model for Interpretation of Facies Distribution:** J. Wang, Z. Jiang, B. Xian
- **Effects of Tectonic Thermal Events on Hydrocarbon Accumulation in Ordovician Carbonate Reservoirs of Gucheng Uplift, Tarim Basin, Northwest China:** Z. You, Z. Xingping
- **Role and Contribution of Studying the Fault Seal Analysis Using 3-D Static Model in Delineating the Water Movement and Identifying New Infill and Possible Upside Locations – Near Field Exploration, Ras Burdan Field, Gulf of Suez:** K. M. Abd Alla, A. Abd E I-Hady, A. Gadallah*

Theme 6: Geophysical Methods

Chair: S. Alsaadan

- **Upscaling of Triaxial Resistivity Data Measured on the Norwegian Continental Shelf and Observations Relevant for CSEM Imaging:** T. Wedberg, A. Stefatos, A. Vereshagin
- **Field Testing a Deep Penetrating Radar System:** P. Harness, D. Barnes, C. Stove, G. Stove
- **New Exploration Discoveries Thanks to the Low Prices Era Using Sequence Stratigraphy, Seismic Attributes, and Seismic Inversion: Case of Study in an Oil Field in the Foreland Llanos Basin, Colombia:** M. F. Rodriguez
- **Integrated Fracture and Fault Characterization in the Abenaki Formation Using 3-D Conventional Attributes and Azimuthal AVO:** G. R. Fernández, D. A. Serrano, S. Khurama, P. Goyes, F. Gomez
- **Combined Seismic Attribute Analysis and Structural Restoration as Effective Tool for Prediction of Fault Geometry at Depth and Fracture System Modeling: Case Study From the Lublin Basin (Southeast Poland):** M. Kufrasa, L. Slonka, P. Krzywiec
- **Magnetic Nanoparticles for Reservoir Characterization:** S. Alhassan, M. Subrati, G. Papavassiliou, S. Kokkalas, D. Gournis, S. Pantelides, H. Kim
- **Extracting the Full Value of CSEM Data: Interpretation of Anisotropic Resistivity:** T. Tshering, A. McKay, Ø. Hallanger, A. Bhuiyan
- **Integrating Geophysics and Geology for Improved Seismic Imaging to Extract the Best From Legacy Acquisition – A Case Study From Ultra-Deep-Water Lower Congo Basin, Angola:** S. Tewari, M. S. Jarvis, A. Furber, G. Chrustek, D. Rathee, J. Bailey, K. Pisaniec, K. Mistry, C. Abu
- **Risk Reduction on the Ivory Prospect via Geologically Constrained Non-Parametric Inversion and Bayesian Uncertainty Estimation on a Fault-Bounded Reservoir:** J. Raffle, T. Earnshaw, J. Fruehn, S. Greenwood, J. Singh, C. Hagen, I. F. Jones, R. Felicio, D. Sassen, Z. Luo, S. Forsund, M. Ackers, L. Aamodt

Theme 6: Seismic Attributes and Quantitative Interpretation

Chair: K. Lythgoe

- **Enhancing Spectral Decomposition to Delineate Subtle Channels – A Case Study From Offshore Nile Delta:** A. S. Abdul-Rahman, I. A. Mohamed

- **Seismic Channel Edge Detection Based on 2-D Digital Shearlet Transformation and Its Comparison With Sobel and Canny Edge Detectors:** H. Karbalaali, A. Javaherian, S. Torabi, S. Dahlke, A. Ghazanfari, N. Keshavarz Faraj Khah
- **De-Trending of Frequency-Broadened Seismic Acoustic Impedance for Fluid Discrimination:** X. E. Refunjol
- **Evaluation of Sand Proportion Using Statistics of the Seismic Signature: An Application to Onshore Mozambique Reservoirs:** A. Benguigui, R. Komori, P. Kaminski, R. Gilham, C. Malaver
- **3-D Seismic Characterization of Small Faults and Possible Fractures in a Carbonate Reservoir: Case Study From Sabiriyah Field, North Kuwait, Kuwait:** S. J. AlQattan, S. Ismail, C. Vemparala
- **Nodal Inversion: An Optimization Algorithm to Reduce the Run Time During the Seismic Inversion:** R. Falahat, S. McQuaid
- **Improving Seismic Interpretation by Reducing Uncertainty With 2-D Modeling and Analytics:** V. Rybakov
- **Enhancing Pre-Stack Seismic Inversion Using Neural Networks for Clastic Reservoir Characterization – Simian Field, Offshore Nile Delta, Egypt:** W. S. Said, I. A. Mohamed, A. S. Ali
- **Application of Seismic Reflection for Evaluation of Sweet Spot Distribution of a Cambrian Age Reservoir in a Gas Field of North Oman:** R. Khan, D. Sandoval, L. Qasmi
- **Quantitative Interpretation on Presalt Carbonate Reservoir From Deepwater Offshore Angola:** C. Ibrahim, T. Kurniawan

Theme 7: Carbonate and Clastic Reservoirs in the Middle East and North Africa

Chair: J. Redfern

- **Dolomitization of Jurassic Carbonates in the Western High Atlas of Morocco: Processes and Implications for Reservoir Properties:** N. Al-Sinawi, C. Hollis, S. Schroeder, J. Redfern, A. Duval-Arnould
- **How Abundant are Fractures in Gently Deformed Carbonates?:** M. M. Al-Fahmi, A. Al-Mojel, J. Cartwright
- **Novel Work Flow to Model Complex Deltaic Settings: A Case Study From Zubair Reservoir Modeling in North Kuwait:** H. Turkey, S. Abdul Azim, A. M. AbdelRahman
- **Stratigraphic Analysis and Hydrocarbon Potential of the Unayzah Formation (Lower Permian), Qatar:** F. Sadooni, H. Al-Saad
- **3-D Compressional System Integrated Modeling and Volume Re-Assessment of a Cambrian Clastic Deep Tight Gas Reservoir in North of Oman:** D. Sandoval, R. A. Khan, M. Al Harthi
- **Variations of Sediment Flux and Implications for Sequence Stratigraphy and Sediment Routing Systems: Wasia Formation, Eastern Saudi Arabia:** N. A. Michael
- **Establishing Petrophysical Benchmark for the Burgan Field in Kuwait: A Case Study:** M. Rashaid, Y. M. Amjad, P. Sangani, S. Low, C. Darous, L. Hayat, A. Sibbit
- **Object-Based Modeling of Wara Formation (Middle Cretaceous) in Greater Burgan Field (Kuwait): An Innovative Approach for a Better Reservoir Characterization:** J. Filak, R. Al-Houti, L. Dashti, D. Bond, M. Banagale, B. Luneau, D. Molinari

Technical Program Tuesday

* indicates presenter is other than first author

- **Refined Reservoir Architecture of the Early Cretaceous Burgan and Wara Formations in the Greater Burgan Field, South Kuwait:** B. AlEnezi, J. Filak, B. Kostic, N. Foote, F. Al-Mahmeed
- **Lithofacies, Paleoenvironments, and Diagenesis of the Middle Jurassic Carbonate Dhurma Formation: Implications on Reservoir Quality, Outcrop Analog Approach, Central Saudi Arabia:** I. Yousif, O. Abdullatif, M. Makkawi, W. Abdulghani

Theme 8: Unconventional III

Co-Chairs: A. Fraser and M. Stephenson

- **Fracture Network Topology and Characterization of Structural Permeability:** R. Hansberry, R. King, S. Holford
- **Origin and Distribution of Carbonate Cements With Implications for Reservoir Quality in Tight Gas Sandstones, Dongying Depression, Bohai Bay Basin, China:** B. Ma, Y. Cao, K. Eriksson
- **Reservoir Rock Typing of the Late Jurassic Reef Complex in Support of Geothermal Exploration in the Greater Geneva Basin (Switzerland and France):** E. Rusillon, N. Clerc, M. Brentini, A. Moscardiello
- **Porosity Quantification of Reservoir Sandstones Using a New Reference-Sample-Guided Computed-Tomographic Method:** J. Jin
- **Multiple Bottom Simulating Reflectors and Multi-Stage Fluid Migration Related to Cyclic Tectonic Activity in the Deepwater Niger Delta:** M. B. Aminu, S. B. Ojo
- **Acoustic Evidence of Fluid Flow in Irish Offshore and Physical Property Measurements on Gas-Hydrate Bearing Sediments:** S. Roy, M. Max
- **Laboratory Sands and Natural Siliciclastic Sandstones; Implications for the Behavior of Reservoirs:** A. Murphy, K. Soga, K. Yamamoto
- **Development of Stranded Gas in the Niobrara Shale:** D. J. Soeder
- **Energy Intensity, Market Forces and Technological Improvements are Key Factors Influencing Future U.S. Unconventional Oil and Gas Production:** O. Popova, G. Long, J. Little, N. Davis
- **Shale Facies Identification via Post-Stack Seismic Inversion—Case Study in the Sergipe Basin:** A. M. Coelho, P. D. Menezes, M. Mane



Technical Program Wednesday

* indicates presenter is other than first author

Wednesday Morning Oral Presentations

Theme 7: Carbonates – Rest of World

Co-Chairs: H. Cromie and L. Guo

- **Keynote: Modeling the Evolution of Permeability in Carbonates:** R. Wood
- **Experimental Modeling of Dissolution Rule and Porosity Evolution of Carbonate Rocks and Its Significance:** M. She, J. Shou, A. Shen
- **Reservoir Porosity and Stratigraphy of Eocene-Miocene Successions, North-Central, Jamaica: Onshore Analogs for Petroleum Systems on the Eastern Nicaraguan Rise:** K. R. Tankoo, S. F. Mitchell
- **Sedimentologic and Diagenetic Analysis of Microbialite-Dominated Ramp in Lower Cambrian Xiaerbulake Formation, Tarim Basin, Northwest China:** Y. Zhu, J. Zheng

Theme 7: Carbonate Reservoirs in China

Chair: V. P. Wright

- **Keynote: Neoproterozoic Microbialite Reservoirs in the Giant Anyue Gas Field of Central Sichuan Basin (Southwest China):** L. Pan, W. Xiaofang, J. Zhang
- **Microbially Induced Dolomite Precipitation Associated With Evaporites in Hypersaline Lake: A Case Study From the Eocene Es4x Interval, Dongying Depression, Bohai Bay Basin, China:** B. Ma, K. Eriksson, Y. Jia
- **Geologic Characteristics of Tight Oil Reservoir in Lacustrine Mixed Marlstone of the Third Member of the Eocene Shahejie Formation in Shulu Sag, Bohai Bay Basin, Eastern China:** F. X. Dong, J. Shou, Z. W. Hong, Z. J. Gao, Z. T. Fu
- **Facies Analysis by 3-D Seismic and Well Data in a Mixed Siliciclastic-Carbonate-Evaporite System: Lower Triassic Jialingjiang Formation, Sichuan Basin, Southwestern China:** Z. Xu, W. Zhao, S. Hu, H. Zeng, Q. Fu, S. Shi, L. Jiang

Theme 6: Advances in Seismic Acquisition and Imaging

Co-Chairs: I. Jones and J. Robertsson

- **Keynote: Broadband Data: How Changes in Seismic Techniques Have Changed Geologic Interpretation:** D. J. Monk
- **Using Phase Sequencing and Marine Vibrators for Residual Shot Noise Removal and Simultaneous-Source Separation:** R. Laws, D. Halliday, A. Özbek, J. Hopperstad
- **Signal Apparition Simultaneous Source Separation:** J. Robertsson, D. van Manen, F. Andersson, K. Eggenberger, L. Amundsen, Å. Pedersen, M. Thompson
- **The Value of Re-Processing Vintage Seismic Data: A Case Study From the Caspian Sea:** K. H. Lythgoe, C. Cooper, L. Saxton, N. Abdullayev, H. Asgarov
- **Refreshment Break**
- **High-Resolution Seismic Velocity Structure of the Shallow Porcupine Basin From Traveltime Tomography and Waveform Inversion of Long-Streamer Data:** M. Prada, F. Lavoué, B. O'Reilly, S. Lebedev, Y. Yuan, C. Gras
- **A Holistic Approach to Model-Building in and Around Injectites: A Case-Study Offshore Norway:** V. Valler, N. Payne, T. Hallett, M. Kobylarski, G. Venkatraman, J. Rappke, D. Fairclough

- **Applications of Kirchhoff Least-Squares Migration: Towards Reservoir Imaging:** F. Perrone, G. Roberts, L. Casasanta, A. Ratcliffe
- **Big Seismic Era – Time to Change the Old Ways? How High-Density Seismic Technology Affects Way We Acquire and Process Land Data:** A. Poole, P. J. Bilsby

Theme 9: Fold and Thrust Belts

Co-Chairs: M. Cottam and J. de Vera

- **Keynote: Structural Modeling in the Kirthar Fold Belt of Pakistan: From Seismic to Regional Scale:** R. Hinsch, C. Asmar, P. Hagedorn, M. Nasim, M. Rasheed, N. Stevens, B. Bretis, J. Kiely
- **Unravelling the Qara Dagh Anticline, Zagros Mountains, Southeastern Kurdistan Region of Iraq:** J. C. Phelps, S. Banerjee, C. Mondro
- **Wedge Geometry and Detachment Strength in Deepwater Fold-Thrust Belts:** R. King, C. Morley
- **Influence of Basin Architecture and Mechanical Stratigraphy on Structural Styles Within the Greater Juha Area of the Papuan Fold and Thrust Belt, Papua New Guinea:** L. Mahoney, K. Hill, S. McLaren, A. Hanani
- **Refreshment Break**
- **Structural Style and Hydrocarbon Distribution in the Foothills of British Columbia, Canada:** M. Cooper
- **Patterns of Growth Sedimentation and Their Significance in an Active Fold and Thrust Belt of the Ucayali Basin, Peru:** F. Corredor
- **4-D Evolution of Deepwater Fold and Thrust Belts in Accretionary Wedges:** K. McClay, J. Hammerstein, N. Scarselli
- **The Polar Urals Fold Belt: Tectonic Framework, Hydrocarbon Plays, and New Exploration Opportunities:** K. Sobornov, O. Pishchepa, S. Ptetsov, B. Plotnikov

Theme 8: Mapping Unconventional Reservoirs

Co-Chairs: K. Chebotar and A. Hakami

- **Keynote: Mopping up the Shale Mess: Integrated Mudstone Depositional Systems: An Example From the Cenomanian-Turonian Western Interior Seaway:** B. Hart
- **Sequence Stratigraphy of Carbonate Ramp Systems: Implications for “Sweet-Spot” Prediction in the Vaca Muerta Unconventional Resource Play:** A. D. Bromhead
- **Bowland Shale Paleoredox: Implications for Prospectivity:** J. Emmings, S. Davies, M. Stephenson, C. Vane, M. Leng, S. Poulton
- **Source Potential and Reservoir Fabric of the Cambay Shale, Cambay Basin: A Potential Tight Gas/Tight Oil Resource for India:** M. Hafiz, N. Hakhoo, G. M. Bhat, B. Thusu, J. Craig, W. Ahmed, S. Kanungo
- **Refreshment Break**
- **Unlocking the Potential of Carbonate Source Rocks in Saudi Arabia: NMR Applications to Understanding Storage Capacity and Maturity:** A. Almubarak, M. Boudjatit, M. Duhailan
- **Unconventional Petroleum Potential of the Gainsborough Trough, East Midlands, United Kingdom:** F. Palci, A. Fraser, K. Parkin, T. Wilson, M. Neumaier

Technical Program Wednesday

* indicates presenter is other than first author

- **Identification of Prospective Zones for Shale Gas and Shale Oil Accumulations in Poland – New Results and Future Exploration Directions:** T. Podhalanska, M. Janas*, A. Gluszynski, M. Waksmundzka, A. Becker, J. Roszkowska-Remin, I. Dyrka, A. Feldman-Olszewska, I. Grotek, P. Karcz, G. Nowak, J. Paczesna, M. Roman, M. Sikorska-Jaworowska, M. Kuberska, A. Kozłowska, K. Sobien
- **A New Framework for Predicting and Evaluating Sweet Spots in United Kingdom Onshore Continuous Resource Plays:** M. A. Enfield, M. Watkinson, T. Henderson

Theme 7: Clastic Reservoirs – Europe

Co-Chairs: T. Reynolds and A. Whitham

- **Keynote: The Effect of Oil Emplacement on Quartz Cementation in a Deeply Buried Sandstone Reservoir:** R. H. Worden
- **Inferring Likely Fluid Movement From Rock Outcrops – The Range of Interpretations:** P. J. Smith, L. Morrissey, A. Woods
- **Brent Group Petrography and Diagenesis: Implications for Reservoir Quality and Enhanced Oil Recovery:** T. Utey, R. H. Worden
- **Unlocking the Precipitation Temperature of Carbonate Cements in Clastic Sediments Using Clumped Isotope Geochemistry:** A. Dale, C. M. John, P. C. Smalley, A. Muggerridge
- **Refreshment Break**
- **Application of a Training-Image Library to Reservoir Modeling Using Multi-Point Statistics Based on Quantitative Fluvial Facies Characterization:** J. M. Montero, N. P. Mountney, L. Colomera, N. Yan, A. Comunian
- **Pennsylvanian Ross Sandstone Deep-Water Fans Sliced and Diced:** P. Houghton, C. Pierce, A. Obradors Latre, P. Shannon, A. Lacchia, A. Pulham, J. Howell, S. Barker, O. Martinsen
- **Architectural Analysis of Tectonically Influenced Shallow Water Mouth Bar Complexes, Lower Cretaceous Maestrat Basin, Spain: Implications for Reservoir Characterization and Modeling:** G. Cole, M. Watkinson, R. Jerrett, M. Anderson
- **Joint Distribution Statistics in Turbidite Sandstones From High Resolution Digital Outcrop Models: An Example From the Marnoso Arenacea Formation, Northern Apennines, Italy:** A. Borsani, A. Bistacchi, F. Balsamo, F. Storti*, K. Ogata, M. Fetter

Theme 5: Emerging Deep-Water Provinces II

Co-Chairs: J. Flinch and P. Weimer

- **Keynote: Depositional Environment of the Oligocene and Miocene Rocks of the Bulgarian Black Sea Margin: A Comprehensive Model Based On Log, Seismic, and Geochemical Data:** J. Mayer, M. Fallah, G. C. Tari
- **Offshore Lebanon, the Emergence of a Promising Deepwater Province:** R. Ghalayini, W. Khatib, W. Chbat
- **Geologic Origin of the Mari Mound Complex From Sediment Injection, Deep-Water Levant Basin, Eastern Mediterranean Sea:** S. Heron, P. Weimer*, H. Pettingill, A. Hurst, R. Bouroullec, G. Dorn
- **Key Regional Evidence for the Next Deepwater Oil Province, the Mozambique Channel:** D. Rusk
- **Refreshment Break**

- **Examples of Morpho-Sedimentary Features From Broadband Seismic Data Offshore South Africa:** C. Abu
- **Applying Sequence Stratigraphic Concepts to Seismic Analysis to Gain Basin-Scale Insight: Evaluating Late Cretaceous Reservoir Potential on the West African Margin From Gabon to Angola:** S. Laird, K. Heyburn, E. Rees, E. Firth, C. Koch, M. Tyrrell
- **Prospect Investigation and De-Risking Using Cognitive Interpretation Workflows, Offshore Equatorial Guinea:** T. Wooltorton, R. M. Williams*, M. Smith, S. Leslie
- **Insights Into the Tectonostratigraphy of Deepwater Côte d'Ivoire (Equatorial African Margin) – Implications for Hydrocarbon Exploration:** N. Scarselli, G. Duval, J. Martin, K. McClay, S. Toothill

Theme 9: Salt Tectonics I

Co-Chairs: C. Jackson and C. Von Nicolai

- **Keynote: Salt Tectonics Along the Atlantic Margin of Northwest Africa (Morocco and Mauritania):** B. Novotny, G. C. Tari, H. Jabour, M. Hafid
- **Gravity-Driven Deformation of a Youthful Saline Giant: The Interplay Between Gliding and Spreading in the Messinian Basins of the Eastern Mediterranean:** H. Allen, C. A. Jackson*, A. Fraser
- **Petroleum Systems and Play Types Associated With Permotriassic Salt in Europe, North Africa, and the Atlantic Region:** G. C. Tari, J. Flinch, J. I. Soto
- **Shunted Raft Tectonics: Examples From Gabon and Mexico:** I. Davison
- **Refreshment Break**
- **Salt Tectonics in the Petrel Basin, Australia:** C. F. Elders, C. Clugston, N. Nyama, K. Ye, Y. Yuan
- **Shortening and Deformation Through Space and Time in the Deep-Water Niger Delta:** L. Lonergan, M. Pizzi, W. Mitchell, M. Mayall, A. Whittaker
- **Rock Deformation Adjacent to Salt Diapirs:** M. G. Rowan, J. A. Muñoz, E. Roca, M. Fischer, K. A. Giles
- **Investigating the Controls of Salt Movement Using Finite Element Modeling:** J. Hamilton-Wright, S. Dee, C. Von Nicolai, H. Johnson

Theme 4: Magmatic Frontiers

Co-Chairs: N. Frewin and C. Grove

- **Keynote: Volcanic Reservoirs in Rift Basins of Onshore China – A Growing Play:** A. Racey
- **Proximal Volcaniclastic Reservoir in an Incipient Syn-Rift Basin: Geometry, Sedimentary Architecture, and Petrography:** A. Di Capua, R. Scasso
- **The Onshore Blue Nile Basin, Ethiopia: De-Risking Exploration in Volcanically-Affected Basins:** S. Passey, D. Ayalew
- **An Extended Continuum From Magma-Poor to Magma-Rich Margins: Implications for Hydrocarbon Exploration:** M. T. Ireland, M. A. Cottam
- **Refreshment Break**
- **Impact of Volcanic and Igneous Rocks on Hydrocarbon Exploration:** N. Schofield, S. Holford

Technical Program Wednesday

* indicates presenter is other than first author

- **The Crustal Structure & Petroleum Potential of the Conjugate Austral South Atlantic Margins: New Insights Into Break-Up Processes and the Tectonostratigraphy of Magma-Rich Rifted Margins:** K. G. McDermott, E. C. Gillbard, C. McDermott, B. W. Horn
- **Seaward-Dipping Reflectors and the Mode of Extension: Implications for Magma-Influenced Continental Breakup:** C. McDermott, J. Collier, L. Lonergan, K. G. McDermott
- **Seaward Dipping Reflector Formation by Multiple Magma Chamber Inflation and Collapse Cycles and Implications for Hydrocarbon Exploration:** I. Davison

Theme 7: Technologies and Methodologies for Reservoir Characterization

Co-Chairs: L. Cowley and M. Cuylaerts

- **Keynote: Streamlining Log Calibration Workflows by Incorporation of Continuous, Digital Mineralogy Data:** J. Omma, A. K. Moss, G. Hunt, R. A. Williams, M. Cortés López
- **Simulation of Acidizing Treatments in Carbonate Reservoirs:** J. Schwarz, L. Cheng, J. Becker, S. Linden, A. Wiegmann
- **Low and High Temperature Dolomite Synthesis: Testing Catalysing Factors:** V. Vandeginste, O. Snell
- **Geostatistical 3-D Facies Modeling of a Carbonate Reservoir Outcrop Analog Based on a New Pluri-Gaussian Approach:** T. T. Le Blevec, O. Dubrule, C. M. John, G. Hampson
- **Refreshment Break**
- **Analysis of Geological Controls on the Geometry of Incised-Valley Fills and Implications for Facies and Sequence Stratigraphic Models:** R. Wang, N. P. Mountney, L. Colomera
- **My Geology is Too Complex for My Grid: Grid-Free Geological Modeling Using NURBS Surfaces:** C. Jacquemyn, Y. Melnikova, P. Salinas, G. Hampson, M. D. Jackson
- **Multi-Realizations Geostatistical Modeling: Implication on Reservoir Quality and Heterogeneity: Outcrop Analog of the Khuff Reservoirs:** A. M. Adam, O. Abdullatif, A. Abdulazeez, M. Hariri, W. Abdulghani
- **Automated Quantitative Outcrop Analysis (AQOA) – An Optimized Workflow for Efficiency in Integration and Knowledge Transfer From Surface to Sub-Surface:** M. Etchebes, A. Bounaim, T. Brenna, S. Bayarri, P. Taponnier

Wednesday Morning Poster Presentations

Theme 3: Exploration in Mature Basins – Europe

Chair: L. Dauphin

- **A Stable Carbon Isotope Curve for the Middle Jurassic to Early Cretaceous: A New Chemostratigraphic Standard for Regional Correlation:** A. J. Houben, R. Verreussel, N. Janssen
- **New Insights From a Regional and Reservoir Level Interpretation in the Mature Central North Sea (CNS):** W. T. Reid, S. Patruno
- **The Untapped Potentials of the Lower and Upper Rotliegend: A Tectonostratigraphic Study of the Permo-Carboniferous in the Northern Dutch Offshore:** R. Bouroullec, G. de Bruin, K. Geel, R. Abdul Fattah, T. van Hoof, M. Zijp

- **3-D Seismic Characterization of Shallow Hydrocarbon Accumulations in the Central North Sea: Hazards or Resources?:** M. Malah, M. Huuse
- **North Celtic Sea Basin, Offshore Ireland – New Opportunities in a Mature Basin:** K. Hernon, K. L. English, M. Hanrahan, C. Morgan
- **Defining Prospective Play Fairways Across the Southern Mid North Sea High:** R. Brackenridge, J. R. Underhill, R. J. Jamieson
- **Hydrocarbon Prospectivity of the Inshore Basins Along Scotland's West Coast:** L. C. Fyfe, N. Schofield, J. Howell, A. Hartley, D. Muirhead
- **The Pre-Neogene Unconformity as Evidence for Major Sediment Delivery Systems Into the Eastern Carpathians:** E. Tudor, A. Marza, A. Ghitescu, S. Rubio
- **Exploration Below the Thrust-Belt of the Eastern Alps: The Last Frontier in a Mature Basin:** H. Linzer, U. Exner, G. Wiesmayr
- **Finding New Pays in Old Plays: Applications for Surface Geochemical Exploration in Mature Basins:** D. Schumacher, L. Clavareau

Theme 6: Seeps, Shallow Hazards, and Pore Pressure Prediction

Chair: J. Gharib

- **Modeling of Erosion and Uplift Effects on Water-Fluid Build-up, Fracturing and Leakage – Example From the Barents Sea:** A. E. Lothe, S. Schjelderup, B. K. Bryn
- **Seismic Geomechanics Around a Mud Volcano in the Offshore Nile Delta:** R. Gulmammadov, S. Covey-Crump, M. Huuse
- **The Utilization of Joint Impedance and Facies Inversion for Pore Pressure Prediction:** E. M. Hoskin, A. Kelsay, S. O'Connor, M. Kemper
- **Pore Pressure Prediction From Seismic Velocities: A Novel Approach Based on Skempton and Biot Theories:** B. Dupuy, M. A. Romdhane
- **Combined Hydrocarbon and Nonhydrocarbon Gas for Pore Pressure:** M. Rowe, R. Keller
- **Prediction of Pore Fluid Pressures in Frontier Basins:** R. E. Swarbrick
- **Predicting, Preventing, and Mitigating Shallow Damam Formation Losses on the Rumaila Field, Southern Iraq:** M. Pointing, K. Tough, K. McBeath, D. Saucier, M. Taylor
- **Pore Pressure in Jurassic and Cretaceous of Kuwait: Concepts, Basin Modeling, and Prediction:** M. Dubille, G. Maury, R. Baillet, N. Guyomar, O. Vidal, T. Pichot, S. Al-Ali, A. Al-Khamiss, N. Hawie
- **Integration of 3-D Seismic and Satellite Data for Subsurface Fluid Flow Analysis in the Lower Congo Basin, Offshore Angola:** H. S. Putuhena, M. Huuse

Theme 2: Polar Petroleum Potential I

Co-Chairs: G. Heilbronn and B. Lopez-Mir

- **The Tectonic Unity and Boundaries of the New Siberian Islands Terrane (Eastern Arctic) Based on Geological and Paleomagnetic Data:** D. V. Metelkin, N. Y. Matushkin*, V. A. Vernikovskiy, A. I. Chernova
- **Investigating the Impact of the Hornsund High on Triassic Sedimentation on the Western Barents Shelf:** E. J. Fleming, M. Flowerdew

Technical Program Wednesday

* indicates presenter is other than first author

- **Structure and Petroleum Potential of the Russian Arctic Sedimentary Basins:** A. A. Suslova, A. Stupakova, R. Sautkin, M. Bolshakova, I. Sannikova, M. Agasheva, A. Gilmullina, D. Pushkareva, Y. Karpov, D. Mitronov, S. Bordunov, A. Mordasova
- **Slip Sliding Away: Enigma of Large Sandy Rafts Within a Gas Bearing Mass Transport Complex Offshore Northwest Greenland:** D. Cox, M. Huuse, P. Gannon, J. Clayburn
- **Arctic Ocean Podvodnikov Basin Tectonics According to the Latest Seismic Data:** L. Daragan-Suschova, N. Sobolev, E. Petrov*
- **Petroleum Geology of Russian Arctic Basins:** A. A. Suslova, A. Stupakova, M. Bolshakova, R. Sautkin, I. Sannikova
- **East Siberian and Chukchi Sea Region: Geology, Tectonic Development and Petroleum Systems:** D. Shapabaeva, G. Zavarzina, O. Zakharova
- **Arctic Survey Expedition: Iqaluit to Resolute July-August 2017; Identifying Locations for ULF Receiver Stations:** I. J. Hanlon
- **Early Mesozoic Sinistral Transpression Along the Pai-Khoi – Novaya Zemlya Fold-and-Thrust Belt, Russia:** M. Curtis, B. Lopez-Mir, J. Howard, G. Heilbronn
- **The U-Pb Dating of Detrital Zircons From the Neoproterozoic-Early Cambrian Deposits of North-West Russia: The Timanian Orogen Signature:** A. Ivleva, V. Ershova, V. Podkovyrov, A. Khudoley, N. Vdovina
- **The Thermal History of East Greenland: Insights From Regional Apatite Fission Track and (U-Th)/He Data:** A. Szulc, T. Bernard, C. Johnson, A. Carter, K. Gallagher, T. Kinnaird, P. Steer, A. Whitham
- **Meso-Cenozoic Evolution of the Chukchi Borderland: Constraints on the Tectonic Development of the Amerasia Basin, Arctic Ocean:** I. Ilhan
- **Paleomagnetic Study of Mesozoic Sediments of the New Siberian Islands: Remagnetization Caused by Collision With Siberia?:** A. I. Chernova, D. V. Metelkin, V. A. Vernikovskiy, N. Y. Matushkin
- **Early Paleozoic Drift Kinematics of the New Siberian Islands Terrane: Two Possibilities From Paleomagnetic Data:** D. V. Metelkin, N. Y. Matushkin, A. I. Chernova, V. A. Vernikovskiy
- **Geodynamics and Oil and Gas Potential of the North-Western Margin of the Siberian Craton:** V. A. Vernikovskiy, E. Deev, N. Y. Matushkin, D. V. Metelkin, G. G. Shemin
- **The East Siberia Basin as a Re-Emerging Frontier:** S. Vasyutkin, C. M. Duque, A. V. Gaiduk, O. V. Bakuev
- **New Data on The Timing of Mafic Magmatism in the New Siberian Islands From $^{40}\text{Ar}/^{39}\text{Ar}$ Isotope Dating:** A. Prokopiev, V. Ershova, N. Sobolev, K. Kullerud, A. Khudoley, M. Ganerød, E. Petrov

Theme 2: Polar Petroleum Potential II

Co-Chairs: E. Fleming and A. Szulc

- **Arctic Crustal Thickness, Oceanic Lithosphere Distribution and Ocean-Continent Transition Structure From Gravity Inversion:** N. J. Kuszniir, A. D. Alvey, A. M. Roberts
- **Managing Big Data From Little Grains: A Circum-Arctic Zircon U-Pb Age Database:** M. A. Pointon, M. Flowerdew, S. Sinclair



Technical Program Wednesday

** indicates presenter is other than first author*

Student Research Poster Session III

Chair: E. Frankowicz

- **A New Method to Estimate the Horizontal Well Landing Point to Optimize the Production:** P. L. Sims, A. Susi, G. Asquith
- **Combination of Cross-Section Balancing and Subsidence Analysis as a Key to Viable Structural Model of the Late Paleozoic Malochwiej Anticline (Lublin Basin, Southeast Poland):** A. Stypa, M. Kufrasa, P. Krzywiec
- **Constraining Paleo-Fluid Flow Events at Rifted Continental Margins: 3-D Seismic Evidence From the Exmouth Plateau, Northwest Australia:** T. Velayatham, S. Holford, M. A. Bunch
- **Architectural Characterization of Turbidite Frontal Splays of the Miocene of Adana Basin, Southern Turkey:** D. Bayer da Silva, B. T. Cronin, B. Kneller
- **Before the Oil: The Volcanoes of the North Sea:** A. Quirie, N. Schofield, A. Hartley, M. Hole, D. Jolley
- **3-D Basin and Petroleum System Modeling in the Easternmost Hammerfest Basin – Barents Sea:** A. S. Baskoro, D. Harishidayat, S. J. Lippard
- **Eocene- Oligocene Source Rock Organic Geochemistry, Micro-Facies and Basin Connectivity in Paratethys:** M. T. Morton, S. Davies, S. J. Vincent, R. Flecker, W. Krijgsman, R. Sachsenhofer
- **Changes in Calcareous Nannoplankton Assemblages Across the Eocene-Oligocene Transition in the Hungarian Paleogene Basin (Central Paratethys):** A. Nyerges, A. Kocsis, J. Pálfi, P. Ozsvárt, L. Kocsis, O. Gyori
- **Vertical Motions From Ancient Buried Landscapes: Constraints on Icelandic Plume Evolution:** G. Stucky de Quay, G. Roberts, C. A.-L. Jackson
- **Developing a New Stratigraphic Forward Model to Understand and Predict Carbonate Platform Geometries and Facies Distribution in Syn-Rift Settings:** I. Masiero, P. Burgess, C. Hollis, L. Manifold, R. Gawthorpe, A. Rotevatn, I. Korneva

Wednesday Afternoon Oral Presentations

Theme 7: Clastic Reservoirs – Asia and Rest of World

Co-Chairs: N. Mountney and G. Nichols

- **Keynote: Deepwater Plays in the Western Black Sea: Insight Into Sediment Provenance Within the Maykop Depositional System:** E. Rees, M. Simmons*
- **Evaluation of the Rock Properties of the Structurally Deformed Areas Based on Outcrop Analogs in Azerbaijan:** S. Alkhasli, G. Zeynalov, A. Shahtakhtinskiy
- **Integration of Sedimentology, Seismic Geomorphology and Analogs for Improved Facies Modeling of Fluvial-Tidal Reservoirs in the West Siberian Basin:** B. Legler, S. Lobachev, Y. Protkova, E. Mironov, N. Shadshnev
- **Sedimentary Characteristics and Controlling Factors of a Tight Sandstone Reservoir in the Upper Triassic Yanchang Formation, Southwest Ordos Basin, China:** Y. Gao, Z. Jiang, X. Kong
- **Refreshment Break**
- **An 'Unconfined Estuary' Succession From the Paleogene of the Barito Basin, Borneo:** G. Nichols, D. Witts

- **Predicting Interwell Heterogeneity in Fan-Deltaic Reservoirs: Outcrop Analogs and Applications of Lidar Technology in the Kuqa Foreland Area, Northwestern China:** Q. Zeng, R. Zhang
- **Diagenesis and Reservoir Quality of Lacustrine Deep-Water Gravity Flow Sandstones of the Shahejie Formation (43.7-38.2 Ma) in the Dongying Sag, Jiyang Depression, Eastern China:** T. Yang, Y. Cao, H. Friis, Y. Wang
- **Process-Based Modeling of Early Cretaceous (Albian) Delta Systems, Saudi Arabia:** R. Zuhlke, C. S. Sun, P. A. Crisi, N. A. Michael, A. Garg

Special Session: The Future of Oil and Gas E&P Technology

Co-chairs: M. Cuylaerts and S. Nash

Invited Speakers:

- **Keynote: How New Technologies Are Changing the Oil and Gas Industry:** John Peak, VP Subsurface Technical Centre, Upstream Technology, BP
- **Practical Knowledge Representation for Data Access to Subsurface Data: The Achievements and Potential of Optique Platform:** David Cameron, Executive Manager, SIRIUS Centre, University of Oslo
- **The Virtuous Circle of Information Management in an Industry Focused on Efficiency:** Glenn Mansfield, Director, Flare Solutions
- **Cognitive Computing in Oil & Gas: How AI Technologies Will Change the Way we Work:** Ulisses Mello, Director, IBM Research Brazil
- **Probabilistic Seismic Reservoir Characterization:** Patrick Connolly, Independent Consultant
- **Interactive Processing and Interpretation of Huge Pre-Stack Datasets Using In-Memory Supercomputers:** Bill Shea, Chief Executive Officer, Sharp Reflections
- **Machine Learning and Property Modelling:** Colin Daly, Advisor Reservoir Modelling, Schlumberger
- **Deep Learning in Integrated Geophysical and Geological Reservoir Models Using Structured and Unstructured Data:** Kamal Hami-Eddine, Director of Data Science, Deep Learning, Paradigm
- **The Growing Role of Unmanned Vehicles and Robotics in the Oil Industry:** Hisham Saadawi, SPE Technical Director Production & Facilities, Ringstone Petroleum
- **SAFARI – A Database of Virtual Outcrops and Reservoir Analogs:** Prof. John Howell, Chair in Geology & Petroleum Geology, Aberdeen University

Posters in room:

- **Recent Developments in the Use of Big Data, Deep Learning, and Artificial Intelligence in Upstream E&P:** Susan Nash, Director of Innovation and Emerging Science / Technology, AAPG
- **3-D Imaging Incorporating Drone-Derived Photogrammetry, Infrared, and Fugitive Gas Sensors:** Thibault Sergent, President, Xamen

Technical Program Wednesday

* indicates presenter is other than first author

Theme 5: Seismic Stratigraphy, Stratigraphic Traps, and Geophysical Methods

Co-Chairs: B. Horn and L. Lonergan

- **Keynote: Are Stratigraphic Traps More Risky?:** E. Zanella, J. Collard, A. Hughes
- **Deepwater Stratigraphic Pinch Out Plays Comparison Along the South American and West African Atlantic Margins:** J. Salazar, J. F. Flinch*, J. Di Croce, A. Vayssaire, A. Mansaray, J. Carballo
- **Offshore Deepwater Tanzania Exploration: Sequence Stratigraphy Enhances Reservoir De-Risking:** K. McDonough, B. W. Horn*
- **Satellite Gravity Mapping of Pre-Salt, Deep Water Santos Basin, Brazil:** A. N. Christensen
- **Refreshment Break**
- **Deep-Water Sequences in Static and Dynamic Basin Margin Accommodation:** M. Grecula, L. Clarke, A. Mayfield, T. Heard
- **Petrophysical Joint Inversion – Rising to the Reservoir Characterization Challenge:** A. Zerilli, F. M. Miotti, P. D. Menezes, J. L. Crepaldi
- **Quantifying the Tectonic Influence on the Distribution of Slope Channels in the Toe-Thrusts Region, Deep-Water Niger Delta:** M. Pizzi, L. Lonergan, M. Mayall, A. Whittaker
- **Integrating Multibeam Data in the Structural 2-D Seismic Interpretation Workflow: Examples From the Mexican Gulf of Mexico:** R. Dirkx, K. Goldsmith, J. Halliday, C. O' Reilly

Theme 8: Oil From Shales and Carbonate Mudstones

Co-Chairs: K. Chebotar and A. Fraser

- **Keynote: Advanced Pyrolysis Data and Interpretation Methods to Identify Unconventional Reservoir Sweet Spots in Fluid Phase Saturation and Fluid Properties (GOR, API Gravity) From Drill Cuttings and Cores:** A. S. Pepper, A. Maende, D. Weldon, A. Doebbert, D. M. Jarvie
- **In-Situ SIMS Oxygen Isotope Analyses Reveals a Continuous 300 Ma History of Carbonate Cementation and Dolomitization in the Middle Bakken:** A. C. Aplin, M. Brodie, J. Valley, B. Hart, I. Orland
- **Integrated Geomechanics Solution for an Unconventional Oil Shale Reservoir in Mexico:** A. Quilantan, J. M. Rodriguez, O. D. Quintero, C. H. Vargas, A. Peña
- **Hydraulic Fracturing Design: A Case Study and Best Practices for the Field Development Plan:** H. Salman
- **Refreshment Break**
- **Cyclostratigraphic Control on Lithofacies and Their Influence on Source Rock Characteristics in Westphalian Mudstones of the Campine Basin (Northeast Belgium):** W. Vandewijngaerde, K. Piessens, P. Bertier, B. Krooss, R. Littke, R. Swennen
- **New Aromatic Hydrocarbons Characterization Method of Unconventional Oil Based on Multi-Dimensional Fluorescence Spectroscopy:** C. Wang, X. Huang, X. Fan, J. Zhang
- **Unconventional Tight Oil Content and Quality of the Upper Jurassic, Onshore Tampico-Misantla Basin, Mexico:** D. M. Jarvie

- **Petrophysical Properties Evaluation and Peculiarities of Geological Modeling of the Second Biggest Unconventional Oil Formation in Russia:** K. Rymarenko, M. Nukhaev, T. Baranov

Theme 1: Africa

Co-Chairs: D. Blanchard and F. Esan

- **Keynote: The Mesozoic Rift Systems of North Africa and Arabia: Overview and Exploration Future:** G. C. Tari, B. Bosworth
- **Organization of African Intra-Plate Tectonics:** J. W. Granath, W. Dickson
- **A Holistic Reappraisal of the Geological Evolution of the Tertiary East African Rift System, Kenya – Understanding the Controls on Basin Evolution and Petroleum Play Development:** S. N. Thackrey, M. Hertle, C. Hamilton, A. Madsen, C. Gunn
- **Source Rocks of Somalia – An Attempt at De-Risking a Critical Play Element:** D. M. Trümpy, J. Witte
- **Refreshment Break**
- **The Structural Framework of the Gabonese Deep Water Margin and Its Conjugate – Impact of Crustal Makeup on Asymmetric Rifting, Sediment Deposition, and Petroleum Systems:** H. W. van Gent, H. van der Veen, G. de Keijzer, M. van Winden, C. Heine, M. Spaak, I. Clark
- **Carbonate Platform Seismo-Stratigraphy Along an Active “Passive Margin”: The Middle-Late Jurassic Agadir Basin (Offshore Morocco):** A. Lanfranchi
- **Tectonic Evolution and Hydrocarbon Potential of Nogal Rift Basin, Northern Somalia:** M. Y. Ali, J. Lee
- **Megaslides, Source Rocks, and Mantle Convection:** N. Hodgson, K. Rodriguez

Theme 6: Seismic Reservoir Characterization

Co-Chairs: H. Mustafa and B. Shea

- **Keynote: Effective Delivery of Reservoir Compliant Seismic Data Processing:** A. Jafargandomi, C. Lacombe, V. Souvannavong, H. Hoeber
- **Broadband Seismic – What are the Benefits and Pitfalls for E&P Geoscience Workflows:** C. Reiser
- **Near Field Potential in the North Sea Viking Graben – Derisking Injectites Using Broadband Dual-Sensor Seismic Data:** L. Feuilleaubois, N. Pernin, V. Charoing, C. Reiser
- **Discriminating Between Commercial and Residual Hydrocarbon Saturation Integrating Pre-Stack Seismic and CSEM Data:** P. Alvarez, A. Alvarez, L. MacGregor, F. Bolivar, R. Keirstead, T. Martin, K. Nichols*
- **Refreshment Break**
- **Relative Impedance Inversion of Seismic Traces by Means of Complex Trace Attributes:** K. Grubbe, S. McQuaid*
- **3-D Seismic Attribute Expressions of Messinian Sands in the Nile Delta:** E. Rushmere, M. Fahim, A. Khodeir, M. Saleh, S. El Ghazaly
- **Reservoir Characterization of Complex Proglacial Ribbon Channels Through Integration of Seismic Attribute, Spectral Decomposition and Subsurface Geological Datasets: The Upper Ordovician Sarah Formation in Northern Arabia:** M. Y. Aldakheel, H. Alghenaim, A. Rees, F. Amry

Technical Program Wednesday

* indicates presenter is other than first author

- **The Raven High Pressure Gas Field in West Nile Delta: Evolution of Subsurface Understanding From Appraisal to Development:** M. Zahran, J. M. Henton

Theme 9: Salt Tectonics II

Co-Chairs: J. Adam and C. Von Nicolai

- **Keynote: Salt Shoulders:** K. A. Giles, M. G. Rowan, R. Langford, J. McFarland, T. Hearon
- **Revealing the Internal Flow of Salt Structures Using Anisotropy of Magnetic Susceptibility:** J. Richardson, I. Alsop, C. Stevenson
- **Impact of Thin- and Thick-Skinned Salt Tectonics on the Mesozoic Reservoir Potential of the Cleaver Bank High and Broad Fourteen Basin, Dutch Sector, Southern North Sea:** J. Adam, M. Payne, E. Lashko, S. Lawler, N. Scarselli, S. Morse
- **Salt Tectonics of the Atlas Mountains in Morocco:** J. Verges, M. Moragas, J. Martín-Martín, E. Saura, E. Casciello, P. Razin, C. Grélaud, M. Malaval, R. Joussiaume, G. Messenger, I. Sharp, D. Hunt
- **Refreshment Break**
- **Permo-Triassic Evaporites of the Polish Basin and Their Bearing on the Tectonic Evolution and Hydrocarbon System:** P. Krzywiec, T. M. Peryt, H. Kiersnowski, P. Pomianowski, G. Czapowski, K. Kwolek
- **Salt Tectonics Within the Offshore Asturian Basin: North Iberian Margin:** M. Fleming, G. Zamora, J. Gallastegui
- **Structural Characterization of the Warraweenaa Diapir-Weld-Thrust Complex, Flinders Ranges, South Australia:** O. Vidal-Royo, M. G. Rowan, O. Ferrer, K. A. Giles
- **Upper Triassic-Middle Jurassic Salt Deposits of the Saharan Platform:** P. Turner

Theme 3: Exploration in Mature Basins: The Americas, Africa

Co-Chairs: C. Leppard and P. McMellon

- **Keynote: Structurally Influenced Plays Provide New Opportunities in a Mature Foreland Basin; Case Studies From the Alberta Basin, Canada:** M. J. Warren
- **Regional Paleo-Drainage and Stratigraphic Hydrocarbon Trap Potential From 3-D Onshore Seismic, Llanos Basin (Colombia):** J. García Criado, V. Nuñez, I. Iregui, I. Becerra, J. Navarro Comet
- **3-D Seismic Interpretation of the Red Wing Creek Meteorite Impact Field, Williston Basin, Western North Dakota – Updated Drilling Results:** B. Herber, P. Weimer*, R. Bouroullec, R. Barton, D. Behringer

- **Unlocking Nigeria's Deep Prospects: PVT Phase Prediction and V2V Implication Using a High-Resolution Basin Analysis Workflow:** S. Kolonic, K. Warners, I. Ostanin, R. Schwede, L. Kennan, N. Hogg Mascall, M. Newall, O. Podlaha
- **Refreshment Break**
- **'Hot' Shales and Microfossils: Applications of Palynology in Palaeozoic Hydrocarbon Exploration:** A. Butcher, D. Loydell
- **Santos Campos Basin Future Exploration Within and Beyond the Salt Province:** K. Rodriguez, N. Hodgson
- **Reservoir Distribution on a Salt-Influenced Deep-Water Slope: Santos Basin, Offshore Brazil:** C. Rodriguez, C. A. Jackson, A. Rotevatn, R. Bell, M. Francis
- **Exploration Opportunities in the Pre-Salt Play, Deepwater Campos Basin, Brazil:** S. Kattah

Theme 4: Challenging Existing Models

Co-Chairs: N. Frewin and M. Ireland

- **Keynote: Nature of Rifting, Salt Deposition, and Seafloor Spreading in the Gulf of Mexico: Analysis of Regional Seismic Reflection and Refraction Data:** J. Pindell, E. Haire, A. Goswami, J. Gross, C. Campbell, B. W. Horn
- **Benguela Basin and the Prospectivity of Hyper-Extended Margins:** A. Bump, W. Prendergast, M. Porter, A. J. Witt
- **Seaward Dipping Reflector Composition of the Pelotas Magma-Rich Rifted Continental Margin:** C. Harkin, N. J. Kusznir, A. M. Roberts, G. Manatschal, K. G. McDermott
- **Multi-Stage Rifting Evolution of the Colorado Basin, Offshore Argentina: Implications for Understanding the Mesozoic Breakup of Southwest Gondwana and the Evolution of the Passive Margins of the Southern South Atlantic:** J. Lovecchio, S. Rohais, V. A. Ramos, P. Joseph
- **Refreshment Break**
- **New Insights Into the Dangerous Grounds Microcontinent, Malaysia:** J. Greenhalgh, J. McArdle, T. Choi
- **Along-Trend Variation of Shortening and Timing in the Zagros Fold-Thrust Belt, Kurdistan Region of Iraq (KRI):** S. Banerjee, J. C. Phelps, C. Mondro
- **The MSC Signature in Western Greece Offshore:** Y. Bassias
- **The Informed Prediction of Petroleum Systems Elements in Frontier Plays:** A. Davies, B. Greselle, S. Hunter, A. Haywood, F. Kohlmann

Students

Student Reception

Date: Monday, 16 October

Time: 19:00–20:00

Fee: Included with registration

All registered students and faculty are invited to attend the Student Reception for food, fun, and networking. Meet AAPG leaders and officers as well as executives from long-time corporate sponsor, ExxonMobil. In addition to these industry connections, you can also meet up with fellow students in a fun and relaxing environment.

Young Professionals

Young Professionals Meet & Greet

Date: Sunday, 15 October
Time: 16:00–17:00
Fee: Included with registration

This event, sponsored by the AAPG Young Professionals Committee and Shell Exploration, serves to bridge the gap between the students, young professionals, and experienced professionals. At the Meet & Greet, students and recent graduates are paired with young or experienced professionals to gain an insider's perspective into the petroleum industry and share direction on the meeting itself (what to expect, technical sessions, and other recommendations.) Mentors and paired protégés will attend the Opening Ceremony together. **To participate in the Meet & Greet please indicate during the registration process.**

Conference Volunteers

Conference Volunteers Needed

Students and Young Professionals – sign up to be a volunteer at ICE 2017 and earn US \$25 for every four hours worked. Volunteers are needed in the following areas: Judges Room, Opening Ceremony, Oral Presentations, Poster Presentations, and Registration.

Select the day(s) and time(s) you are available, as well as the location(s) you prefer when you register online. To receive benefits volunteers must be either students or employees in the industry who are recent (2016-2017) graduates.

Should you need further information, contact Terri Duncan at tduncan@aapg.org.

Judging

Sign up to judge at ICE 2017 London. Your participation in the judging of papers and posters is requested. This important function determines the winners of the awards listed below. Your efforts will involve judging and evaluating one or more oral or poster sessions. Sign up to judge during your registration process and indicate how many and which sessions you are willing to judge. Should you need further information, contact Terri Duncan at tduncan@aapg.org.

- Gabriel Dengo Memorial Award for Best Paper
- Ziad Beydoun Memorial Award for Best Poster
- Carlos Walter M. Campos Memorial Award for Best Student Paper
- Ozan Sungurlu Memorial Award for Best Student Poster

Get Exposure to the Word's Best – Exhibition & Sponsorship

Exhibit Opportunities

Tap into the premiere market of global geoscience leaders by exhibiting at ICE London 2017.

Move the Needle by:

- Launching and promoting new and key product lines
- Controlling costs by sourcing new suppliers
- Closing sales by meeting directly with decision makers

Develop Your Future to:

- Meet strategic industry players and build relationships
- Pave the way for tomorrow's sales by building your brand
- Gain competitive intelligence and stay current with industry trends

Sponsorship Opportunities

Don't miss the chance to put your brand front and center and in the minds of geoscience professionals from around the globe. ICE London sponsorships feature a variety of packages and investment levels that are an effective way to increase brand awareness and exposure. For a complete overview of available packages, visit ICEevent.org or contact your sales representative.

- Receive brand recognition before, during and after the event with visibility in print, online, and on-site
- Build your brand with geoscientists and decision makers
- Gain international exposure to more than 60 countries

Contact your sales representative today to reserve your space or secure your sponsorships.

Mike Taylor

Exhibition Sales Manager
+1 918 630 5672 (AAPG Companies A-K)
mtaylor@aapg.org

Tracy Thompson

Exhibition Sales Representative
+1 918 560 9414 (AAPG Companies L-Z)
tthompson@aapg.org

Teresa K. Dallis

SEG Exhibition and Sponsorship Sales Representative
+1 918 497 4606
tdallis@seg.org

How To Register

Online at ICEevent.org

Online registration provides immediate knowledge of availability of events (short courses, field trips, etc.) as well as confirmation. If an event is not available, it will not appear on the screen or it will indicate "sold out." Additional registration details and policies are also found on ICEevent.org.

By Telephone

+1 781 821 6732
Monday–Friday, 08:00–17:00 (EST)

By Mail

Download a registration form from the website at ICEevent.org and mail the form and payment to:
ICE Registration Center
c/o The Pulse Network (TPN)
10 Oceana Way
Norwood, MA 02062, USA

By Fax

+1 781 821 6720
Download the registration form at ICEevent.org.

Be cautious when submitting your registration or making changes to your current registration. Duplicate charges may occur if you send more than one copy of a registration form.

	Registration Type	On or before 3 August Midnight EST	On or before 7 September Midnight EST	After 7 September Midnight EST
Four-Day Technical Program & Exhibition	Member*	US \$925 + 20% VAT	US \$1,050 + 20% VAT	US \$1,175 + 20% VAT
	Emeritus Member*	US \$463 + 20% VAT	US \$525 + 20% VAT	US \$588 + 20% VAT
	Join & Save	US \$925 + dues + 20% VAT	US \$1,050 + dues + 20% VAT	US \$1,175 + dues + 20% VAT
	Nonmember	US \$1,050 + 20% VAT	US \$1,175 + 20% VAT	US \$1,300 + 20% VAT
	Student Member*	US \$75 + 20% VAT	US \$100 + 20% VAT	US \$125 + 20% VAT
	Student Nonmember	US \$125 + 20% VAT	US \$150 + 20% VAT	US \$175 + 20% VAT
	Includes: Access to the Opening Ceremony, Icebreaker Reception, Oral and Poster Sessions, Refreshment Breaks, End-of-Day Receptions, Exhibition, as well as access to the Conference Abstracts Digital Library.			
One-Day Technical Program & Exhibition	One-Day Member *	US \$450 + 20% VAT	US \$500 + 20% VAT	US \$550 + 20% VAT
	One-Day Nonmember	US \$575 + 20% VAT	US \$625 + 20% VAT	US \$675 + 20% VAT
	Registration day: Monday, Tuesday, and Wednesday			
	Includes: Access to the Oral and Poster Sessions, Refreshment Breaks, End-of-Day Receptions and Exhibition for the day you register as well as access to the Conference Abstracts Digital Library. You will need to purchase a one-day Sunday Exhibition registration in order to attend the Icebreaker Reception.			
One-Day Exhibition	One-Day Member*	US \$100 + 20% VAT		
	One-Day Nonmember	US \$100 + 20% VAT		
	Registration day: Monday, Tuesday, and Wednesday			
	Includes: Access to the Exhibition, Refreshment Breaks, End-of-Day Reception for the day you register. You will need to purchase a one-day Sunday Exhibition registration in order to attend the Opening Ceremony or the Icebreaker Reception.			
Non-Conference Attendance	Short Course/Field Trip	US \$30 + cost of Short Course and/or Field Trip + 20% VAT		
	Includes: Access only to chosen Short Courses or Field Trips for which you register. If you do not register for the conference and exhibition in addition to the Short Course or Field Trip, you will not receive access to any activities or events during the conference or exhibition.			

*Member rates apply to members of the following societies:

* AAPG (American Association of Petroleum Geologists), AAPG (American Association of Stratigraphic Palynologists), AWG (Association for Women Geoscientists), CPC (Circum-Pacific Council for Energy & Minerals Resources, Inc.), CSPG (Canadian Society of Petroleum Geologists), GSL (The Geological Society of London), GSA (Geological Society of America), IAMG (International Association for Mathematical Geosciences), NABG (National Association of Black Geoscientists), SEG (Society of Exploration Geophysicists), SEPM (Society for Sedimentary Geology), SIPEs (Society of Independent Professional Earth Scientists), SPE (Society of Petroleum Engineers), SPWLA (Society of Petrophysicists and Well Log Analysts), TSOP (The Society for Organic Petrology).

****Emeritus Members must be current members of one of the above associations with a minimum of 30 years and be 65 years old to qualify.**

Cancellations/Refunds

Cancellations can be made by following the instructions on your confirmation or contact the AAPG Registration Center/TPN by email (aapgregistration@thepulsenetwork.com), fax, telephone or mail by 14 September.

Cancellations received on or before 14 September will be fully refunded less a \$75 processing fee. Refunds will not be issued after 14 September or for "no shows." You may substitute one participant for another.

Refunds for field trips and/or short courses can be made until 14 September. No refunds for field trips and/or short courses can be made after this date.

Registration hours:

Saturday, 14 October

08:00–17:00

Sunday, 15 October

07:30–17:30

Monday, 16 October

08:00–18:00

Tuesday, 17 October

08:00–18:00

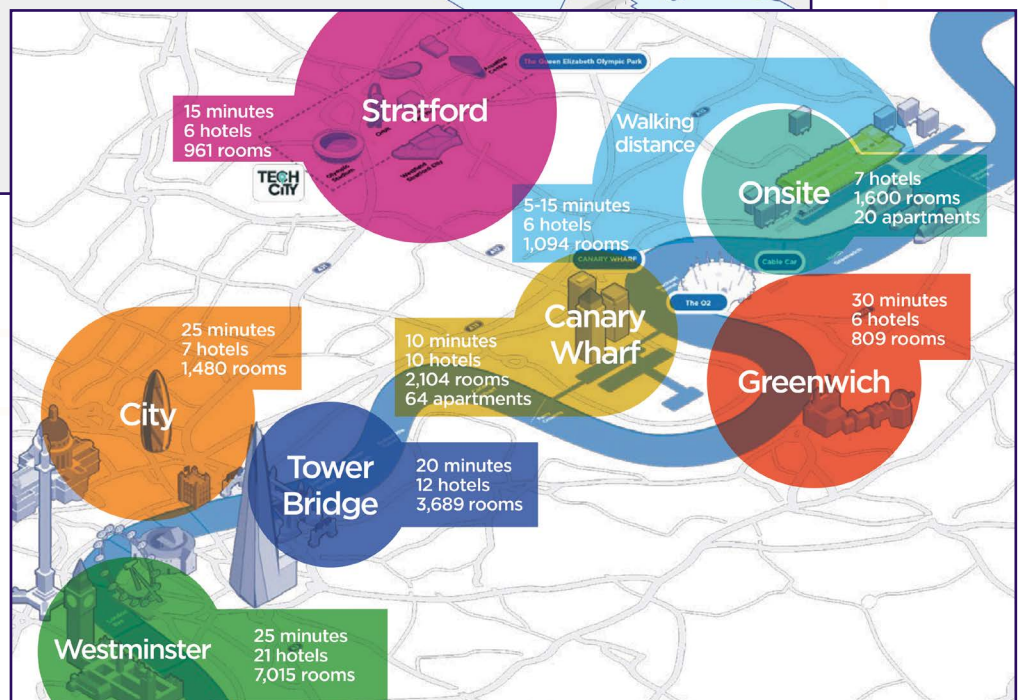
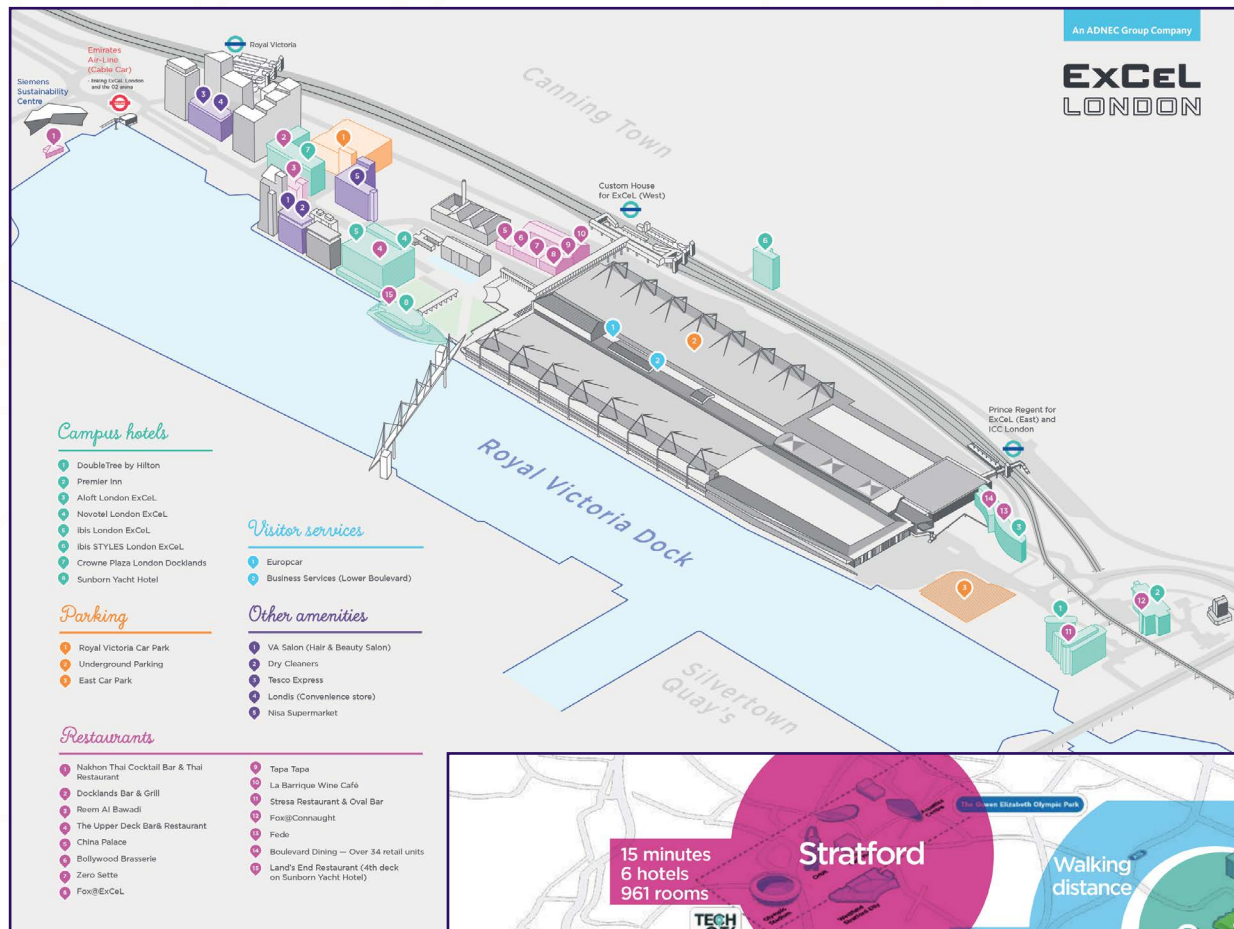
Wednesday, 18 October

08:00–14:00

Where to Stay

As an ICE 2017 attendee, you're free to set up your own hotel experience in iconic London. Whether you have a personal or business favorite, want to be on the doorstep of world-class theater, shopping, and sights, or prefer quick and easy access to the conference, London can accommodate every need and budget. Choose where you want to stay and make your own reservation.

ExCeL London has seven on-site hotels, ranging from budget to luxury, offering 1,600 rooms within walking distance of the venue. An additional 10,000 rooms, from 5-star luxury and trendy boutiques to budget chains and AirBnB, are within a 20-minute commute. Please visit www.excel.london/visitor/stay to find your ideal hotel. Rates, cancellation policies, and availability will vary. Early booking is recommended.



How to Get Around

Airport Information

London City Airport (LCY)

Address: Hartmann Rd, London E16 2PX, UK
Phone: +44 20 7646 0000
Website: www.londoncityairport.com
Distance from the convention center: 1.5 miles

Heathrow Airport Limited (LHR)

Address: Longford TW6, UK
Phone: +44 20 3368 8968
Website: www.heathrow.com
Distance from the convention center: 24 miles

Gatwick Airport (LGW)

Address: Horley, Gatwick RH6 0NP, UK
Phone: +44 844 892 0322
Website: www.gatwickairport.com
Distance from the convention center: 48 miles

Airport Transportation

London City Airport

London City Airport is the only airport actually located in London and is conveniently less than a mile from the ExCeL Centre. For European travelers, this is the ideal airport to fly in and out of for ICE.

Heathrow Airport

Heathrow airport is so large it actually has five (5) separate terminals. Make sure you know from which terminal your flight will land or depart.

Getting into/from London – Quickly

The Paddington Line tube station serves Heathrow with the **Heathrow Express**, and the trip takes only 15 minutes. Several airlines now offer the option of checking in for your outbound flight at Paddington station before boarding the train to the airport. The Express serves all four Heathrow terminals. For Non-UK residents, you can book your London Heathrow Express tickets in advance and if you are only traveling between Terminals 1, 2, and 3, Heathrow Express offers a free shuttle.

An alternative is **Heathrow Connect**, a 25-minute train trip, with departures every half hour. Heathrow Connect stops at Ealing Broadway, West Ealing, Southall, Hanwell, Hayes, and Harlington and Paddington Station. This is a more cost conscious option but it does take longer than Heathrow Express. Website: www.heathrowconnect.com

Getting into/from London – Cost Conscious

Piccadilly line tube serves all terminals, and is the way to go if you are budget-minded. The trip takes an hour, and tickets are available at the luggage area. You'll need the all-zone ticket (or the all-zone Travelcard).

Getting into/from London – Mid-Price Options

Several large hotel chains have a "presence" at Heathrow. You can get to these hotels by using the Hotel Hoppa Bus. Alternatively, National Express dot2dot (www.dot2.com) operate shuttles from both major London airports to hotels in the city, for about half the price of a taxi. Prices start from US \$17.50 per person, with additional discounts for large groups. A popular alternative is to use an airport transfer service such as Taxi Reservations, which will drive you direct to most popular city centre hotels.

Other Options – Higher Priced Options

If budget is not an issue, the simplest option for transportation into the city from Heathrow is one of the traditional black London taxis. Private Hire Companies often add a waiting time/car park surcharge to fares and black cabs charge more at night.

Gatwick Airport

Gatwick is smaller than Heathrow with only two (2) terminals, connected by a monorail service. It is also much easier to drive in and out of, especially for foreign visitors not used to driving on the left.

Getting into/from London – Quickly

Gatwick Express runs very frequent shuttle trains to/from Victoria Station. Trains run every 15 minutes 05:00 to midnight. The trip takes about 30 minutes, and is quite reasonably priced (by UK standards!). You can buy tickets here for the Gatwick Express. There are also Thameslink trains from London Bridge, Farringdon, and King's Cross.

Getting into/from London – Cost Conscious

In this case, cheap transport isn't that big a savings. Connex South Central trains run to/from Victoria. A better deal is the Flightline bus, with a ticket good for three months. Flightline is on the web at www.speedlink.co.uk.

Again if budget is not an issue, consider black taxi, or a slightly cheaper minicab. Alternatively, National Express dot2dot (www.dot2.com) operate shuttles from both major London airports to hotels in the city. Or, use an airport transfer service like TaxiReservations, and get dropped off at your hotel.



How to Get Around

Public Transportation

London has one of the largest urban transport networks in the world. Getting around can be easy whether it be by taxi, tube, bus, train, or waterway. It is the gateway to Europe and the most accessible city in the world. As the world's busiest international business hub, London can be reached by more people, from more destinations, in less time than any other city in the world.

The Docklands Light Railway (DLR)

The DLR is part of the London Underground network. Two of the stations, Custom House and Prince Regent, are on the ExCeL Campus. Trains pull up at a covered walkway leaving visitors with less than a two-minute walk to the entrance. Service is fast and frequent; DLR runs 12 trains an hour to Beckton. ExCeL London is located in Zone 3. **For ICE 2017 – the West Custom House Station will be closed. ONLY the East Prince Regent entrance will be accessible.**

London Underground

The Jubilee Line and the DLR are the quickest routes to ExCeL London. Alight at Canning Town on the Jubilee Line and the change onto a Beckton-bound DLR train for the quick stop journey to ExCeL to the Prince Regent at the ExCeL.

London Overground

The London Overground, part of the London Underground network, serves a large part of Greater London and parts of Hertfordshire with 112 stations on several routes. The Overground is highlighted in Orange on the Tube Map. The DLR and Jubilee Line can be connected from multiple Overground lines such as Stratford, Canada Water, and Shadwell. It's also possible to join the Overground and travel to ExCeL London from Euston station.

Travel by Boat

Some of the best views available with the capital's most popular landmarks including Big Ben, the London Eye, the Tower of London, St. Paul's Cathedral, and the O2, can be seen traveling on a river boat service, which offers a truly unique perspective on London. The route is serviced by MBNA Thames Clippers; the fastest and most frequent boat fleet on the river with departures from major London piers every 20 minutes.

Cable Car

The UK's first urban cable car, known as the Emirates Air Line, connects ExCeL London to the O2 and North Greenwich tube station. On the cable car, you can sit back, relax, and enjoy stunning aerial views of London from 90 m above the river Thames. As an attendee or exhibitor for ICE 2017, a single fare for a cable car is just £2.50/per person. You will need to provide a badge or registration confirmation email.

Visa Information

The United Kingdom requires citizens of many foreign countries to obtain visas to enter the UK. If you are not a citizen and plan to attend ICE 2017, please ensure you obtain the correct visa to enter the country. To find out whether you need a visa and how to apply, see the UK Border Agency website (www.gov.uk/browse/visas-immigration) or check with your local British Embassy or other diplomatic representative before you travel. Following the recent referendum vote for the UK to leave the European Union, visa-free travel is still in place for citizens of member states of the European Union, including to and from the UK.

Obtaining a Visa

If you are required to obtain a visa for entry into the UK, it is your responsibility to apply for a passport, visa, or any other required documents and to demonstrate to consular officials that you are properly classifiable as a visitor under British law. ICE Show Management cannot assist you with the interview process, nor can anyone representing the sponsoring organizations call an embassy or consulate on your behalf to provide support for granting a visa. Should your application be denied, show management can neither intervene in the process nor change the decision of the governmental agency. You may request a letter by selecting the box either online or on the printed registration form. Invitation letters will be sent to those that are registered and fully paid. ICE show management supplies this letter for visa purposes only. All expenses involved with attending the conference are the responsibility of the attending party. If your visa application is denied and AAPG received a copy of the denial by email (convene@aapg.org) or fax +1 918 560 2684 before 12 October 2017 your registration fee will be refunded, less a \$75 processing fee.

Registering with Your Embassy

ICE Show Management suggests tourists register with their country's consulate or embassy when traveling.

London Travel Information

Official city guide to London, England: www.visitlondon.com.



ExCeL London

Address: Royal Victoria Dock,
1 Western Gateway,
London E16 1XL, UK
Website: www.excel.london
Phone: +44 20 7069 5000
Email: info@excel.london



P.O. Box 979
Tulsa, OK 74101-0979

Register Early and Save Up to US \$250

AAPG|SEG

International Conference & Exhibition 2017

15-18 October
ExCeL, London

How to Register

Online: ICEevent.org
Mail: ICE Registration Center
c/o The Pulse Network
10 Oceana Way
Norwood, MA 02062, USA
Phone: +1 781 821 6732
Fax: +1 781 821 6720



Stay Connected. Go Social!
ICEevent.org
#ICE2017 | #ICELondon

