

TECHNICAL PROGRAM AT A GLANCE

MONDAY			
PLENARY SESSION – Canada: Our Resources to International Exploration (AAPG)	Morning	Oral	South Building, Lower Level, Macleod A
Theme XII: North American Unconventional Gas – Shale Gas, Tight Sands and Coal Bed Methane I (AAPG)	Morning	Oral	North Building, Main Level, Telus 104/105/106
Theme VI: Rift to Drift, Passive Margin, Transition Tectonics I (AAPG)	Morning	Oral	South Building, Upper Level, Glen 201/202
Theme VIII: Reservoir Management Techniques and Workflow I (AAPG)	Morning	Oral	South Building, Upper Level, Glen 203/204
Theme XIII: International Unconventional Oil I (AAPG)	Morning	Oral	South Building, Upper Level, Glen 206
Theme I: High Latitude Systems Modern and Ancient (SEPM)	Morning	Oral	South Building, Upper Level, Glen 208/209
Theme XVI: Unconventionals A-Z (AAPG)	Afternoon	Oral	South Building, Lower Level, Macleod A
Theme XII: North American Unconventional Gas – Shale Gas, Tight Sands and Coal Bed Methane I (AAPG)	Afternoon	Oral	North Building, Main Level, Telus 104/105/106
Theme VI: Rift to Drift, Passive Margin, Transition Tectonics II (AAPG)	Afternoon	Oral	South Building, Upper Level, Glen 201/202
Theme VIII: Reservoir Management Techniques and Workflow II (AAPG)	Afternoon	Oral	South Building, Upper Level, Glen 203/204
AAPG MANAGEMENT FORUM – E&P Challenges in Complex Environments: From the Arctic to Deep Water	Afternoon	Oral	South Building, Upper Level, Glen 206
Theme III: Mixed Carbonate/Evaporite Successions (SEPM)	Afternoon	Oral	South Building, Upper Level, Glen 208/209
SPECIAL LECTURE – Burgess Shale Tales – Mud Volcanism and Chemosynthetic Communities on the Middle Cambrian Seafloor of Southeastern British Columbia	Afternoon	Oral	South Building, Lower Level, Macleod A
Theme IV: Petroleum Systems Source Rock, Migration, Trap, Seals (AAPG)	All Day	Poster	South Building, Lower Level, Macleod Pre-function
Theme VIII: Reservoir Management Techniques and Workflow (AAPG)	All Day	Poster	South Building, Lower Level, Macleod Pre-function
Theme II: Circum-Arctic Geology and Petroleum Resources (AAPG)	All Day	Poster	South Building, Lower Level, Macleod Pre-function
Theme VII: Exotic Plays (AAPG)	All Day	Poster	South Building, Lower Level, Macleod Pre-function
TUESDAY			
Theme XVI: Heavy Oils/Bitumen North American Regional I (EMD)	Morning	Oral	South Building, Lower Level, Macleod A
Theme XI: North American Unconventional Oil – The Bakken Session I (EMD)	Morning	Oral	North Building, Main Level, Telus 104/105/106
Theme V: Geophysics – Harsh Environment (AAPG)	Morning	Oral	South Building, Upper Level, Glen 201/202
Theme VII: Reservoir Management Case Studies I (AAPG)	Morning	Oral	South Building, Upper Level, Glen 203/204
Theme XVII: Frontier Reservoirs (AAPG)	Morning	Oral	South Building, Upper Level, Glen 206
Theme XIV: Low Permeability Tight Oil Reservoirs I (AAPG)	Morning	Oral	South Building, Upper Level, Glen 206
Theme XIV: International Unconventional Gas I (AAPG)	Morning	Oral	South Building, Upper Level, Glen 208/209
Theme XVI: Heavy Oils/Bitumen Alberta Field Studies II (EMD)	Afternoon	Oral	South Building, Lower Level, Macleod A
Theme XI: North American Unconventional Oil – The Bakken Session II (EMD)	Afternoon	Oral	North Building, Main Level, Telus 104/105/106
Theme I: Depositional Systems and Sequence Stratigraphy I (SEPM)	Afternoon	Oral	South Building, Upper Level, Glen 201/202
Theme VIII: Reservoir Management Case Studies II (AAPG)	Afternoon	Oral	South Building, Upper Level, Glen 203/204
BUSINESS FORUM – Unconventional Exploration and Development Geoscientists Toolbox: What New Tools do Geoscientists Need in the Next Decade?	Afternoon	Oral	South Building, Upper Level, Glen 206
Theme XIV: International Tight Gas Techniques and Case Studies I (AAPG)	Afternoon	Oral	South Building, Upper Level, Glen 206
Theme XIV: International Unconventional Gas II (AAPG)	Afternoon	Oral	South Building, Upper Level, Glen 208/209
SPECIAL LECTURE – Geology of a Major SAGD Bitumen Development – A Case Study from Long Lake, Northeastern Alberta	Afternoon	Oral	South Building, Lower Level, Macleod A
Theme IV: Petroleum Systems – Source Rock, Migration, Trap, Seals II (AAPG)	All Day	Poster	South Building, Lower Level, Macleod Pre-function
Theme XII: North American Unconventional – Exploration and Development Technologies (AAPG)	All Day	Poster	South Building, Lower Level, Macleod Pre-function

TECHNICAL PROGRAM AT A GLANCE

Theme XV: Geoscience Investigations and Petroleum Search Beyond Traditional Exploration Confines (AAPG)	All Day	Poster	South Building, Lower Level, Macleod Pre-function
Theme VI: Rift to Drift, Passive Margin, Transition Tectonics (AAPG)	All Day	Poster	South Building, Lower Level, Macleod Pre-function
WEDNESDAY			
Theme IV: Petroleum Systems – Source Rock, Migration, Trap, Seals I (AAPG)	Morning	Oral	South Building, Lower Level, Macleod A
Theme XII: North American Unconventional Gas – Shale Gas, Tight Sands and Coal Bed Methane I (AAPG)	Morning	Oral	North Building, Main Level, Telus 104/105/106 Development Technologies I (AAPG)
Theme XV: Geoscience Investigations and Petroleum Search Beyond Traditional Exploration Confines I (AAPG)	Morning	Oral	South Building, Upper Level, Glen 201/202
FORUM – The Value of Diversity in Leadership: Global Perspectives	Morning	Oral	South Building, Upper Level, Glen 203/204
Theme IX: Risk Analysis and Assessment (AAPG)	Morning	Oral	South Building, Upper Level, Glen 206
Theme VII: International Regional to Reservoirs – Case Studies (AAPG)	Morning	Oral	South Building, Upper Level, Glen 206
Theme II: Circum-Arctic Geology and Petroleum Resources I (AAPG)	Morning	Oral	South Building, Upper Level, Glen 208/209
Theme IV: Petroleum Systems – Source Rock, Migration, Trap, Seals II (AAPG)	Afternoon	Oral	South Building, Lower Level, Macleod A
Theme XII: North American Unconventional – Development Technologies II (AAPG)	Afternoon	Oral	North Building, Main Level, Telus 104/105/106
Theme XV: Geoscience Investigations and Petroleum Search Beyond Traditional Exploration Confines II (AAPG)	Afternoon	Oral	South Building, Upper Level, Glen 201/202
Theme VII: Exotic Plays I (AAPG)	Afternoon	Oral	South Building, Upper Level, Glen 203/204
Theme IV: Sources and Seeps (AAPG)	Afternoon	Oral	South Building, Upper Level, Glen 206
Theme II: Circum-Arctic Geology and Petroleum Resources II (AAPG)	Afternoon	Oral	South Building, Upper Level, Glen 208/209
Theme XIII: International Unconventional Oil (AAPG)	All Day	Poster	South Building, Lower Level, Macleod Pre-function
Theme XVI: Heavy Oils/Bitumen Carbonates/Oil Sands (EMD)	All Day	Poster	South Building, Lower Level, Macleod Pre-function
Theme I: Depositional Systems and Sequence Stratigraphy (SEPM)	All Day	Poster	South Building, Lower Level, Macleod Pre-function
Theme III: Mixed Carbonate/Evaporite Successions (SEPM)	All Day	Poster	South Building, Lower Level, Macleod Pre-function

TECHNICAL PROGRAM THEMES

- **Theme I:** Sedimentology – Depositional Models for High Latitude Systems, Modern and Ancient, Deepwater Deposits, Outcrops to Analogues
- **Theme II:** Circum-Arctic Tectonics and Basin Formation – Arctic Basin Tectonics, Deepwater and Ultra-Deepwater Arctic Basins, UNLOS Surveys
- **Theme III:** Mixed Carbonate/Evaporite Successions – Depositional Models and Reservoirs
- **Theme IV:** Petroleum Systems – Source Rock, Migration, Trap, Seals
- **Theme V:** Geophysics – Advances in Harsh Environment Acquisition and Processing: On Ice, Under Ice, Under Basalts
- **Theme VI:** Rift to Drift, Passive Margin, Transition Tectonics – Source Rocks, Reservoirs, Migration from Rift to Drift
- **Theme VII:** Exotic Reservoirs of the World, What Produces Where in the World? – Chalks, Cherts, Phosphates, Granites, Hydrates
- **Theme VIII:** Reservoir Management, from Discovery to Abandonment – Geological and Reservoir Modeling, Secondary, Tertiary Recovery, Multi-disciplinary Teams of Professionals
- **Theme IX:** Risk Analysis and Assessment – Oilsands, Shales and Tight Sands
- **Theme X:** Environmental – Environmental Concerns of Unconventional Development
- **Theme XI:** North American Unconventional Oil – Oilsands, Heavy Oil, Tight Oil in Sands and Carbonates, Oil Shale Reservoirs, i.e., Bakken and Second White Specks
- **Theme XII:** North American Unconventional Gas – Coal Bed Methane, Tight Gas Sands and Carbonates, Shale Gas Reservoirs
- **Theme XIII:** International Unconventional Oil – Minable Oil Shales, Tight Oil Reservoirs
- **Theme XIV:** International Unconventional Gas – Coal Bed Methane Shale Gas Reservoirs
- **Theme XV:** Geoscience Investigations and Petroleum Search Beyond Traditional Exploration Confines – Remote Exploration, “First-ever” Basin Exploration; Ultra-Deepwater Drilling and Development in Shallow Productive Basins
- **Theme XVI:** Unconventional Reservoirs – Oil Shales, Gas Shales, Tight Sand Reservoirs, Oil Sands and Heavy Oil
- **Theme XVII:** Frontier Reservoirs – Arctic and Deepwater Discoveries, High Porosity and Permeability Systems in Giant Fields

TECHNICAL PROGRAM * denotes presenter is other than first author

Monday Morning Oral Sessions

Plenary Session — Canada: Our Resources to International Exploration

South Building, Lower Level, Macleod A

Co-Chairs: D. Dolph and R. Dick

8:00–11:25

See summary page 5

Theme XII: North American Unconventional Gas — Shale Gas, Tight Sands and Coal Bed Methane I (AAPG)

North Building, Main Level, Telus 104/105/106

Co-Chairs: J. McCracken and M. Tietz

8:00 Introductory Remarks

8:05 **M. Roth:** North American Shale Gas Reservoirs — Similar, Yet So Different...

8:25 **B. Faraj:** Shale Gas Attributes of Selected Canadian Shales

8:45 **J. C. Gilman, C. Robinson:** Success and Failure in Shale Gas Exploration and Development: Attributes that Make the Difference

9:05

9:25 Break

10:05 **J. Bhattacharya, J. A. MacEachern:** Re-evaluating Depositional Models for Shelf Shales

10:25 **P. H. Nelson:** Underpressured Gas Accumulations with Pressure Control at the Outcrop

10:45 **F. Mango, D. M. Jarvie:** Co-Generated Alpha Gas in Unconventional Gas Production

11:05 **G. D. Stricker, R. M. Flores, M. H. Trippi:** Coalbed Reservoir Characterization of Coal Lithotypes and Cleat Spacing in the Powder River Basin, Wyoming

Theme VI: Rift to Drift, Passive Margin, Transition Tectonics I (AAPG)

South Building, Upper Level, Glen 201/202

Chair: A. Fraser

8:00 Introductory Remarks

8:05 **R. Huismans, C. Beaumont:** Dynamical Models of Depth-Dependent Lithospheric Extension at Rifted Continental Margins

8:25 **N. J. Kusznir, A. Roberts:** Subsidence and Heat Flow History Prediction for Hyper-Thinned Continental Crust at Rifted Continental Margins

8:45 **S. Fraser, K. Casey, K. K. Reimann, F. Love, R. J. Davies:** Complex Poly-phase Extension during South Atlantic Rifting — A New Kinematic Perspective

9:05 **S. G. Henry, N. Kumar, A. Danforth, P. Nuttall, S. Venkatraman:** Mapping the South Atlantic Continental-Oceanic Boundary: Rift to Early Drift along Extensional and Transform Margins

9:25 Break

10:05 **L. H. Rupke, D. W. Schmid, E. Hartz:** Opening of the North-Atlantic and Formation of the Jan Mayen Micro-Continent — Tectono-Thermal Modeling of a Dual Breakup System

10:25 **R. Pereira, T. M. Alves:** Multiphased Rifting and Margin Segmentation across Southwest Iberia and South Newfoundland Conjugate Margin

10:45 **M. A. Durcanin, Z. Syamsir, M. O. Withjack, R. W. Schlische:** Synrift, Postrift, and Salt-Related Deformation on the 'Passive Margin' of Nova Scotia and Southern Newfoundland, Canada: Is It Really Passive?

11:05 **T. M. Alves, D. Soares:** Syn- to Post-Rift Transitions on Passive Margins: The Case of the Western Iberian Margin (NE Atlantic)

Theme VIII: Reservoir Management Techniques and Workflow I (AAPG)

South Building, Upper Level, Glen 203/204

Co-Chairs: G. Prost and N. Dawson

8:00 Introductory Remarks

8:05 **L. M. Murray, M. Portillo, J. DeSantis, A. Manzoor:** Integrated Earth Model Workflow for a Comprehensive Redesign of the Permian Vacuum CO₂ Asset Reservoir Model

8:25 **P. Michel, P. Chimienti, J. Booth, G. Ageneau, J. R. Ruiz Corregidor:** Multidisciplinary Modeling, Development and Uncertainties on Tsiengui Field, Gabon. A Case Study

8:45 **P. Chimienti, J. Booth, R. Van Tilburg, A. Aramowicz, J. R. Ruiz Corregidor:** Case Study on Pragmatic Utilization of Multiple Realizations to Understand Reservoir Performance in a High Permeability Aquifer Supported Reservoir System, Etame Marin Permit — Gabon

9:05 **R. Wen:** A New Workflow of Modeling Sub-Seismic Reservoir Heterogeneities to Improve Production Forecasting

9:25 Break

10:05

10:25 **J. Cole, I. Ozkaya:** Significance and Modeling of Fracture Corridors in Carbonate Reservoirs

10:45 **G. Walker, L. Danard:** What is the Best Frequency to Update a Reservoir Model?

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11:05 **O. P. Rueda, M. Bernal, E. Santafé:** Development of a Methodology for New Producer Wells Allocation from the Computational Modeling Based on Streamline Simulation

Theme XIII: International Unconventional Oil I (AAPG)

South Building, Upper Level, Glen 206

Co-Chairs: D. Rokosh and R. Johnson

8:00 Introductory Remarks

8:05 **J. Chatellier, M. Urban:** Williston Basin and Paris Basin, Same Hydrodynamics, Same Potential for Unconventional Resources?

8:25 **B. Granger:** The York River Formation: A New Unconventional Light Oil Play in Eastern Gaspe (Quebec, Canada)

8:45 **T. J. Mercier, R. C. Johnson*, M. E. Brownfield:** Estimates of In-Place Oil Shale of Various Grades on Federal Lands, Piceance Basin, Colorado

9:05 **Y. Bai, Y. Zhao, L. Ma*, W. Wu, Y. Ma:** Geological Characteristics and Resource Potentials of Oil Shale in Ordos Basin, Center China

9:25 Break

10:05 **J. C. DeWolfe, E. Horne, C. A. Morgan:** Geology and Geochemistry of the Al Lajjun Oil Shale Deposit, Central Jordan

10:25 **H. Verweij, S. Nelskamp, E. Guasti, G. Kunakbayeva, M. Souto Carneiro-Echternach, N. Witmans:** Key Conditions Controlling the Jurassic-Cretaceous Chalk Petroleum System, Dutch Central Graben

10:45 **W. Liu:** Organic-Geochemical Evaluation and Oil Source Analysis for Well Fang 4 in Block-Fault Fangzheng Structure

11:05 **H. Shouzhi, L. Shuifu, F. Xiaowen, L. Yanjun:** Significance of Solid Bitumen for Petroleum System in High Evolution Area

Theme I: High Latitude Systems Modern and Ancient (SEPM)

South Building, Upper Level, Glen 208/209

Co-Chairs: P. Hill and J. Suter

8:00 Introductory Remarks

8:05 **J. R. Martin, B. Williams, J. Redfern, A. J. Mory, M. S. Horstwood:** Sedimentology and Depositional Evolution of the Glaciogenic Early Permian Grant Group, Canning Basin, NW Australia

8:25 **P. P. Flaig, P. J. McCarthy, A. R. Fiorillo:** Tidally-Influenced Sedimentation on a High-Latitude Cretaceous Coastal Plain: The Prince Creek Formation, North Slope, Alaska

8:45 **D. J. Piper, D. C. Mosher, C. Campbell, M. E. Deptuck, F. Saint-Ange, A. Novak, G. Li:** Deep-Water Sedimentation Patterns Seaward of Shelf-Crossing Glaciations, Eastern Canadian Margin

9:05 **J. E. Davison, S. M. Hubbard, T. Hadlari, D. Meloche:** Insights into Basin Architecture from the Stratigraphy and Sedimentology of the Lower Cretaceous in the Mackenzie Corridor, Northwest Territories, Canada

9:25 Break

10:05 **G. Shimer, J. Davis, P. J. McCarthy, C. Hanks:** An Integrated Outcrop and Subsurface Facies Analysis of the Albian-Cenomanian Nanushuk Formation near Umiat, National Petroleum Reserve, Alaska

10:25 **J. Suter, P. Hill:** An Overview of High Latitude Depositional Systems

10:25 **P. Hill, S. Dallimore, A. Taylor:** Importance of Sea-Level Controlled Depositional Architecture to the Understanding of Permafrost and Gas Hydrates on High Latitude Shelves

Monday Afternoon Oral Sessions

Theme XVI: Unconventionals A-Z (AAPG)

South Building, Lower Level, Macleod A

Co-Chairs: F. Hein and D. Russum

13:15 Introductory Remarks

13:20 **G. Turcotte:** Changing the World's Perspective on Heavy Oil

13:40 **D. A. Russum, A. Belonogov:** The Emerging Oil Revolution in Western Canada

14:00 **S. Sewalk:** Shale Oil, the USA's New Strategic Petroleum Reserve

14:20 **R. Boyd, J. Suter:** Facies Models for Transgressive Coasts

14:40 Break

15:20 **J. Adams, S. Larter, B. Bennett, N. Marcano, T. Oldenburg:** Alberta Oil Sands Charge Allocation: Mapping Source Rock Contributions

15:40 **I. Gates, S. Larter, H. Lei, H. Huang:** Impact of Oil Viscosity Variations and Mixing on SAGD Performance

16:00 **D. C. Elliott:** Evaluating, Classifying and Disclosing Unconventional Resources

Theme XII: North American Unconventional Gas — Shale Gas, Tight Sands and Coal Bed Methane II (AAPG)

North Building, Main Level, Telus 104/105/106

Co-Chairs: J. McCracken and M. Teitz

13:15 Introductory Remarks

TECHNICAL PROGRAM * denotes presenter is other than first author

- 13:20 N. B. Harris, C. A. Mnich, N. T. Hemmesch, K. Aoudia, J. Miskimins:** An Integrated Geological and Petrophysical Study of a Shale Gas Play: Woodford Shale, Permian Basin, West Texas
- 13:40 C. M. Prince, C. A. Devier, D. D. Steele, R. Zelaya:** Shale Diagenesis and Permeability: Examples from the Barnett Shale and the Marcellus Formation.
- 14:00 E. B. Manning, S. Pannalal, D. P. Dennie, J. C. Deng, M. S. Zechmeister, R. Elmore:** Sulfate and Silicate Diagenetic Mineralization in the Barnett Shale, Texas
- 14:20 I. Steinhoff, A. D. Cicero, K. Koepke, J. Dezelle, T. McClain, C. Gillett:** Understanding the Regional Haynesville and Bossier Shale Depositional Systems in East Texas and Northern Louisiana: An Integrated Structural/Stratigraphic Approach
- 14:40 Break**
- 15:20 U. Hammes, H. Hamlin:** Haynesville and Bossier Gas Shales of East Texas and West Louisiana: Intrabasinal Variations in Organic-Rich Facies and Lithology Related to Preexisting Geomorphology and Sea-Level Fluctuations
- 15:40 P. Clarke, G. Barzola, M. Poole, M. Millard:** Shale Gas Exploration, Eagle Ford Trend of South Texas: Lessons Learned From a Multi-Well Pilot Program
- 16:00 D. P. Laycock, P. K. Pedersen, R. Spencer, H. Huang, S. Larter, I. Gates:** A Sedimentological and Sequence Stratigraphic Approach to Correlating Clinofolds within Shale Dominated Clastic Wedges and Implications for Shale Gas Exploration: Upper Colorado Group Shales, Wildmere Area, Central Alberta

Theme VI: Rift to Drift, Passive Margin, Transition Tectonics II (AAPG)

South Building, Upper Level, Glen 201/202

Chair: A. Fraser

13:15 Introductory Remarks

- 13:20 D. Abeinomugisha:** Development of a Petroleum System in a Young Rift Basin Prior to Continental Break Up: The Albertine Graben of the East African Rift System
- 13:40 B. Williams, P. Shannon, J. Redfern, S. Leleu, S. Tyrrell, C. Baudon, I. Fabuel Perez, K. Stolfova, X. Van Lanen, D. Hodgetts, P. Houghton, S. Daly:** North Atlantic Permo-Triassic Rift Basins: Their Evolution, Infill Architecture and Implications for Future Exploration

- 14:00 N. Kumar, S. Henry, A. Danforth, P. Nuttall, S. Venkatraman:** Tectonic and Stratigraphic Evolution of Pelotas Margin (Southeastern Brazil): Deep Seismic-Reflection Images from Long-Offset, Prestack Depth Migrated (PSDM), Regional 2-D Data.
- 14:20 A. Frasier:** Structural and Stratigraphic Evolution of the Offshore Sirt Basin, Libya
- 14:40 Break**
- 15:20 A. Danforth, S. Henry, K. Komba, P. Nuttall, S. Venkatraman:** Understanding the Evolution of the East African Extensional / Transform Margin in Tanzania and Kenya, Using Deep PSDM Seismic Images
- 15:40 R. Singh, P. Bhaumik, M. Akhtar, H. Singh, S. Mayor, M. Asthana:** Tectonic Control on Major Hydrocarbon Accumulations in Dhansiri Valley, Assam and Assam Arakan Basin, India.
- 16:00 O. S. Matthew, J. Won, G. Udoekong, O. O. Ibilola, D. Dixon:** Resolving the Structural Complexities in the Deepwater Niger-Delta Fold and Thrust Belt: A Case Study from the Western Lobe, Nigerian Offshore Depobelt.
- 16:20 M. F. Khan:** Separation, Northward Drift and Collision of Indian Plate is Responsible for the Present Petroleum System in Pakistan: Enlighten the Idea "Present is the Key to the Past"

Theme VIII: Reservoir Management Techniques and Workflow II (AAPG)

South Building, Upper Level, Glen 203/204

Co-Chairs: G. Walker and L. Danard

13:15 Introductory Remarks

- 13:20**
- 13:40**
- 14:00 H. E. Barrios Molano, E. R. Santafé:** Construction of a Software Tool for Improving the Well Placement for the Development of a Mature Hydrocarbon Field Using Neurosimulation
- 14:20 J. B. Kozman:** Emergence of New Data Types in Unconventional Plays
- 14:40 Break**
- 15:20 C. Piedrahita, E. R. Santa Fé, E. A. Bastidas, O. Y. Duran*:** Use of the Finite Element Method on Stress Calculations and Definition of Unstable Areas in Elastoplastic Media.
- 15:40 C. R. Berg, A. Newson:** The Importance of Bedding Orientation When Looking for Fractures
- 16:00 A. Shnawa:** Geological Petrophysical Evaluation of Yamama Formation Subba Field

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AAPG Management Forum — E&P Challenges in Complex Environments: From the Arctic to Deep Water

South Building, Upper Level, Glen 206

Co-Chairs: P. Yilmaz and S. Al-Hajri

13:15 – 16:40

See Summary Page 5

Theme III: Mixed Carbonate/Evaporite Successions (SEPM)

South Building, Upper Level, Glen 208/209

Co-Chairs: A. Al Tawi and C. Lehman

13:15 Introductory Remarks

- 13:20 M. L. Borrero, H. G. Machel:** Sedimentology and Diagenesis of Hondo Evaporites within the Grosmont Giant Heavy Oil Carbonate Reservoir, Alberta, Canada
- 13:40 G. Jones, B. Garcia-Fresca:** Preservation of Limestone in Dolomitized Carbonate Evaporite Reservoirs
- 14:00 E. A. Busbait, T. Smith:** Sequence Stratigraphy and Facies Analysis of the Subsurface Late Jurassic Arab-C and Sub-C Reservoirs, Khursaniyah Field, Eastern Saudi Arabia
- 14:20 R. Al-Dukhayyil, A. Al-Tawi, J. Read:** Facies Distribution and Sequence Stratigraphy of the Permian-Triassic Upper Khuff Carbonates, Ghawar Field, Saudi Arabia
- 14:40 Break**
- 15:20 C. T. Lehmann:** Contrasting the High-Resolution Sequence Stratigraphic Concept of Two Mixed Carbonate/Evaporite Platform Interiors
- 15:40 A. D. Keswani, G. Pemberton:** Hydrocarbon Reservoirs in Deeper-Water Carbonates: Paleobiological Breakdown of Permeability Barriers in Mississippian Dolomudstones, Midale Beds, Weyburn Oilfield
- 16:00 E. A. Mancini, W. M. Ahr, W. C. Parcell:** Development of Geologic Models to Facilitate the Exploration for Microbial Carbonate Buildups and Potential Reservoir Facies in Mixed Depositional Systems
- 16:20 M. M. Al-Hajeri, S. A. Bowden:** Application of Formation Water Geochemistry — A New Approach to Understand the Evolution of Kuwait Petroleum System

Special Lecture — Burgess Shale Tales — Mud Volcanism and Chemosynthetic Communities on the Middle Cambrian Seafloor of Southeastern British Columbia

South Building, Lower Level, Macleod A

Co-Chairs: R. Clark and I. Dawes

17:00–18:00 P. Johnston: Speaker, K. Johnston, S. Keith

See summary page 5

Monday Poster Sessions

Presenters in their booths (9:00–10:30 and 14:00–15:30)

Theme IV: Petroleum Systems Source Rock, Migration, Trap, Seals (AAPG)

South Building, Lower Level, Macleod Pre-function

8:00–17:00

Co-Chairs: T. Oldenburg, M. Li, C. Riediger and L. Snowdon

- **O. A. Ehinola, C. Egbuomwan*:** Geochemical and Biomarker Characterization of Source Rock and Crude Oil from Evbu Field, Niger Delta
- **D. Cheong, S. Cha, D. Kim:** Sedimentary Simulation to Analyze Burial Diagenesis and Petroleum System of the Upper Tertiary Sequences in Southern Ulleung Sedimentary Basin, East Sea (Sea of Japan)
- **M. Garcia-Gonzalez, R. Mier-Umaña, L. E. Cruz-Guevara:** Petroleum Geology of the Vaupes-Amazonas Basin of Colombia
- **A. F. Viera, E. J. Gobbo:** New Dry Gas Discovery in Tertiary Deposits. Western Guarico Sub-Basin, Venezuela.
- **R. Borsato, R. Findlay, J. Greenhalgh, M. Martin, F. Moukoumbi, M. Moussavou, S. Raussen, H. Zhu:** Potential New Reservoir Targets Discovered in Channel and Canyon Features, Offshore Gabon
- **M. Ullah, S. Chowdhury:** Diagenetic Controls on the Reservoir Properties of Plio-Pleistocene Tidal Channel Sandstones in the Teknaf Anticline, SE Bangladesh
- **C. Li, H. Chen, H. Liu, H. Qing, G. Chi:** Paleopressure Evolution Controlled by Activities of Hydrocarbon and Faults, Linnan Sag, Bohai Bay Basin, East China
- **Z. Feng:** Controls on Oil Secondary Migration and Reservoir Distribution: A Case Study from Songliao Basin, China
- **J. Ko, J. Yoon:** Current Understanding of Stratigraphy, Structures and Petroleum Geology of the Ulleung (Tsushima) Back-Arc Shelf Basin in East Sea of Korea
- **T. Gebregergis, W. Yusoff:** Burial and Thermal History Model to Evaluate Source Rock, in Tatau Province, Offshore Sarawak Basin, Malaysia
- **Y. Y. Yonghong Sun, W. Fang, W. Liu:** Application of Organic Inclusion in Research of Oil-Gas Migration and Filling Periods of Fuyang Reservoir in Northern Songliao Basin
- **S. Guoqi, S. Fenggui, Z. Leqiang:** The Structural Type, Hydrocarbon Transporting Capacity and its Reservoir Forming Control Model of Unconformity in Continental Faulted Basin

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- **O. A. Ehinola, O. Babatunde*, L. Yuhong:** The Main Oil Source Formations of the Anambra Basin, Southeastern Nigeria

Theme VIII: Reservoir Management Techniques and Workflow (AAPG)

South Building, Lower Level, Macleod Pre-function
8:00–17:00

Co-Chairs: G. Walker and L. Danard

- **E. J. Cavallerano, P. Zarian, J. Vaughan:** Application of a Slimhole LWD Electrical Borehole Imaging Technology for Oil-Recovery Enhancement
- **E. Hartanto, A. Sukmatiwawan, G. W. Agusetiawan, A. Setyadi, A. Fauzi, D. D. Putra:** New Technical of Seismic Approach to Detection Jatibarang Volcanic Natural Fracture Reservoir, Onshore West Java, Indonesia
- **G. Gonzalez Uribe, E. Rieser, M. Kornberger, T. Kuffner, A. Ballauri:** Seismic Expression of Low-Angle Clinoforms in Ancient Deltaic Systems: Implications for Stratigraphic Modeling
- **R. K. Park, I. Asjhari, W. Suhana, D. Mandhiri*:** Small is Beautiful and Effective — A Case Study from Kodeco Energy's Decade of Success in the East Java Basin, Indonesia

Theme II: Circum-Arctic Geology and Petroleum Resources (AAPG)

South Building, Lower Level, Macleod Pre-function
8:00–17:00

Chair: A. Embry and S. Drachev

- **T. Marianna, S. Sokolov, V. Verzhbitsky:** Depositional Environment and Structural Style of Permian and Triassic Sequences of Wrangel Island, Russian Arctic
- **J. Dietrich, Z. Chen, G. Chi, J. Dixon, K. Hu, D. McNeil:** Petroleum Plays in Upper Cenozoic Strata in the Beaufort-Mackenzie Basin, Arctic Canada
- **R. Scott, O. K. Bogolepova, V. L. Pease, A. P. Gubanov, J. P. Howard, A. Carter, A. Soloviev, M. Reichow:** The Uralian Orogen in Arctic Russia, and Its Significance for Adjacent Hydrocarbon Basins
- **R. Bouatmani, S. Campbell, S. Mazur, L. Gill, P. Markwick:** Mesozoic Marine Connections across the High Arctic Reassessed — Inferences from a New Palaeogeography Study and Plate Tectonic Model

- **S. Campbell, S. Mazur, J. Whittaker, R. Bouatmani, P. Markwick:** The Nares Strait Problem Re-examined — A Large Left-Lateral Displacement or Vast Frontal Shortening along the Eureka Orogen Due to the Palaeogene Northward Drift of Greenland?
- **M. K. Runge, N. P. Arendt, M. P. Brandt, J. Stilling:** Exploration Opportunities in the Davis Strait Offshore Southwest Greenland

Theme VII: Exotic Plays (AAPG)

South Building, Lower Level, Macleod Pre-function
8:00–17:00

Chair: R. Clark

- **Y. Chen, J. Pan:** The Integration Geophysical Description Technique and Application of Volcanic Reservoir — A Case from Fengcheng Group Volcanic Reservoir of Permian in Xia-72 Well Field, Northwestern Margin of Junggar Basin
- **W. A. Saleh, K. A. Toghian:** Role and Contribution of Depositional Model and Facies Development in Maximizing Economic Recovery and Production Efficiency from Hydrocarbon Bearing Carbonate Reservoir, Ras Fanar Field, Gulf of Suez, Egypt

Tuesday Morning Oral Sessions

Theme XVI: Heavy Oils/Bitumen North American Regional I (EMD)

South Building, Lower Level, Macleod A

Co-Chairs: F. Hein and R. Rice

- 8:00 **Introductory Remarks**
- 8:05 **B. Bennett, N. I. Marcano, S. Larter, M. Ranger:** The Application of Oil-Source Correlation Tools towards Understanding Oil Charge Systematics in the Carbonate Reservoirs of Northern Alberta
- 8:25 **K. R. Barrett, J. C. Hopkins:** Stratiform Carbonate Breccias of the Grosmont Formation, Alberta
- 8:45 **P. D. Wagner, R. A. Nelson, J. S. Lonnee, M. S. Costello, R. H. Whale, W. J. McKinzie, J. W. Jennings, M. A. Balzarini, D. A. Reed, A. S. al Bahry, R. C. Watson:** Fracture Characterization of a Giant Unconventional Carbonate Reservoir, Alberta, Canada
- 9:05 **E. A. Dembicki:** Exploration of the Upper Devonian Leduc Heavy Oil Carbonate Reservoir in Northeastern Alberta, Canada
- 9:25 **Break**
- 10:05 **J. Jay:** San Joaquin Basin Outcropping Oilfields — Conventional and Unconventional Reservoir for Analysis

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- 10:25 **M. Fowler, T. Brent, K. Dewing, M. Obermajer:** Origin and Significance of Surface Hydrocarbon Seeps on Melville Island, Canadian Arctic Archipelago for Sverdup Basin Petroleum Systems
- 10:45 **N. K. Ahmed:** Sedimentation Processes of the Meghna Estuary: Possible Modern Analog of the Middle McMurray Open Estuary Sedimentary Systems
- 11:05 **M. Fustic, B. Bennett, H. Huang, S. Hubbard, T. Oldenburg, S. Larter:** Differential Entrapment of Charged Oil — New Insights on McMurray Formation Oil Trapping Mechanisms

Theme XI: North American Unconventional Oil — The Bakken Session I (EMD)

North Building, Main Level, Telus 104/105/106

Co-Chairs: N. Fishman and S. Egenhoff

- 8:00 **Introductory Remarks**
- 8:05 **D. M. Jarvie:** Unconventional Oil Petroleum Systems: Shales and Shale Hybrids
- 8:25 **G. R. Davies, D. W. Hume:** Facies, Environments, Diagenesis and Sequence Stratigraphy of the Bakken, SE Saskatchewan and North Dakota: Role of Residual Structure Mapping as Framework
- 8:45 **S. Angulo, L. Buatois:** The Upper Devonian — Lower Mississippian Bakken Formation of Subsurface Saskatchewan Revisited: Sedimentary Facies, Trace Fossils and Sea-Level Changes
- 9:05 **S. Egenhoff, N. Fishman:** The Critters are Innocent! Organic Matter Preservation in the Bakken Formation, North Dakota — A Function of Primary Production and Proximity to the Shoreline, Not Bioturbation
- 9:25 **Break**
- 10:05 **J. LeFever, S. H. Nordeng:** Cyclical Sedimentation Patterns of the Mississippian-Devonian Bakken Formation, North Dakota
- 10:25 **N. Fishman, S. Egenhoff, A. Boehlke:** Diagenetic Variability in the Upper Shale Member of the Upper Devonian-Lower Mississippian Bakken Formation of North Dakota — Implications for Source Rock Quality and Rock "Fracability"
- 10:45 **D. W. Waples, J. E. Leonard, R. Coskey, S. Safwat, R. Nagdy:** A New Method for Obtaining Personalized Kinetics from Archived Rock-Eval Data, Applied to the Bakken Formation, Williston Basin
- 11:05 **J. E. Leonard, R. Coskey*, D. W. Waples, M. Said:** Spatial and Temporal Maturity Variations of the Bakken Shale Using True Kinetic Parameters

Theme V: Geophysics — Harsh Environment (AAPG)

South Building, Upper Level, Glen 201/202

Co-Chairs: T. LaPierre and M. Enachescu

- 8:00 **Introductory Remarks**
- 8:05 **H. Nguyen, N. Quoc Quan, N. Hoang, N. Nguyen Do:** Role of 3-D Seismic Data in Prediction of High Potential Areas within Pre-Tertiary Fractured Granite Basement Reservoir in Cuu Long Basin, Vietnam Offshore
- 8:25 **S. Chopra:** Interpreting Fractures through 3-D Seismic Discontinuity Attributes and Their Visualization
- 8:45 **F. Oghenekohwo, G. Smith:** Comparison of an Estimated Shear Wave Model with a Measured Shear Wave Log.
- 9:05 **H. Bui, P. Ng, J. Durrani, D. Becker, M. Smith:** Well-Seismic Tie in the Sub-Salt Wells, Deepwater Area in the Gulf of Mexico: A Valuable Indicator of Anisotropy
- 9:25 **Break**
- 10:05 **F. Kierulf, M. Watts, J. Hostetler, S. Gall, J. Palmer, M. E. Enachescu:** Arctic 3-D Seismic across the Transition Zone from the Beaufort Sea onto the Mackenzie Delta, Northwest Territories, Canada
- 10:25 **P. Dhelie, L. R. Miller:** Successful 3-D Seismic Exploration Offshore West Greenland Using Dual-Sensor Streamer Technology
- 10:45 **A. R. Chatenay, M. E. Enachescu:** Acquiring Seismic Data in the Sahtu Region of the Northwest Territories of Canada: Operational Challenges and Potential Solutions

Theme VIII: Reservoir Management Case Studies I (AAPG)

South Building, Upper Level, Glen 203/204

Co-Chairs: G. Walker and L. Danard

- 8:00 **Introductory Remarks**
- 8:05 **W. Narr, T. Tankersley, G. King, Y. Pan, M. Skalinski:** Reservoir Modeling to Characterize Dual Porosity, Tengiz Field, Republic of Kazakhstan
- 8:45 **U. A. Olimma, I. A. Olayinka*, J. F. Olimma:** Hydrocarbon Characterisation of the Channel Level Deposits of the Bema Field, Niger Delta, Nigeria
- 9:05 **T. M. Sodagar, D. Lawton:** 2-D Seismic Modeling of CO₂ Fluid Replacement of the Redwater Leduc Reef for CO₂ Storage Project, Alberta
- 9:25 **Break**
- 10:05 **P. Chimienti, P. Michel*, S. Cloninger, J. Baillie:** Redevelopment of a Thin Oil Rim Reservoir Utilizing Lessons Learned, Tsiengui Field, Gabon

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- 10:25 L. E. Soto:** Cusiana Field: Understanding the Reservoir and Improving Depletion History
- 10:45 U. A. Olimma, I. A. Olayinka, J. F. Olimma:** Applying the Sequence Stratigraphy Concept to Delineate the Irregular Internal Facies Configurations of the Bema Field, Western Niger Delta, Nigeria
- 11:05 J. F. Olimma, B. D. Ako, C. S. Nwajide:** Central OML 35 Hydrocarbon Habitat Study and Depositional Sequence Analysis

Theme XVII: Frontier Reservoirs (AAPG)

South Building, Upper Level, Glen 206

Chair: I Dawes

- 8:00 Introductory Remarks**
- 8:05 G. Chiamogu, O. A. Ehinola:** Distribution Patterns of Porosity and Permeability in the Hydrocarbon Bearing Sands of the Agbada Formation, Niger Delta Continental Shelf, Nigeria
- 8:25 A. Chakhmakhchev, P. Rushworth:** Global Overview of Recent Exploration Investment in Deepwater — New Discoveries, Plays and Exploration Potential
- 8:45 D. Morrow:** The Liard Basin Manetoe Dolomite: An Arctic Frontier Deep Gas Play
- 9:05 K. Jackson, P. K. Pedersen, L. S. Lane:** New Hydrocarbon Play Opportunities in Cenomanian Strata of Eagle Plain Basin, Northern Yukon Territory

Theme XVI: Low Permeability Tight Oil Reservoirs I (AAPG)

South Building, Upper Level, Glen 206

Chair: J. McCracken

- 10:05 Introductory Remarks**
- 10:10 L. T. Billingsley:** Influence of Second-Order Faults on Low-Permeability Oil Reservoir (Turner Sandstone), Powder River Basin, Wyoming, USA
- 10:30 J. McCracken, G. Langdon, M. Cooper, S. Millan, D. M. Jarvie, B. Nickerson, S. C. Farner:** Upper Cambrian-Lower Ordovician Green Point Shale, Port au Port Bay, West Newfoundland: Evaluation and Delineation of an Offshore Allochthonous Oil-in-Shale Resource Play
- 10:50 B. S. Franklin, J. C. Martin, R. E. Holdsworth, K. J. McCaffrey, M. M. Krabbendam, A. Conway, R. R. Jones*:** Characterizing Fracture Systems within the Lewisian Gneiss Complex, Northwest Scotland: An Onshore Analogue for the Clair Field?

Theme XIV: International Unconventional Gas I (AAPG)

South Building, Upper Level, Glen 208/209

Co-Chairs: R. Flores and J. Chatelier

- 8:00 Introductory Remarks**
- 8:05 M. Asrar, S. Amir Mahmud:** Development Trend of Unconventional Gas Resources in Pakistan
- 8:25 R. Hildebrand:** Challenges of Coalbed Natural Gas Development in Northwestern Bangladesh
- 8:45 M. Garcia-Gonzalez:** Coalbed Methane Resources in Colombia
- 9:05 R. M. Flores, G. D. Stricker:** CBM Adsorption Isotherms of Philippines Versus U.S. Coals: From Tectonic Control to Resource Evaluation
- 9:25 Break**
- 10:05 C. Che, C. Liu*, J. Zhu, H. Yang:** Unconventional Petroleum Geology and Resources in China
- 10:25 W. Liu, W. Fang, Y. Y. Yonghong Sun:** Genetic Type and Source of the Gas in Well Wangs Jia Tun Region
- 10:45 H. Huang, S. Zhang, X. Zhang, A. Su, O. Jekanola, Y. Shuai, S. Larter:** Biogenic Gas Systems in the Qaidam Basin, NW China
- 11:05 Y. Li, C. Lin:** Exploration Methods for Late Quaternary Shallow Biogenic Gas Reservoirs in the Hangzhou Bay Area, Eastern China

Tuesday Afternoon Oral Sessions

Theme XVI: Heavy Oils/Bitumen Alberta Field Studies II (EMD)

South Building, Lower Level, Macleod A

Co-Chairs: F. Hein and R. Rice

- 13:15 Introductory Remarks**
- 13:20 M. Caplan, W. Fu, C. Sato, C. Heron, T. Podivinski, B. Kearl, L. Sullivan, R. Wong, E. Herle, I. Atkinson:** Sedimentological and Stratigraphical Summary of AOSC's MacKay River and Dover Thermal Projects, Northeastern Alberta, Canada
- 13:40 T. R. Nardin, B. Carter, N. E. Bassey:** Braided River and Avulsive Depositional Systems in the McMurray Formation — LIDAR and Subsurface Data Integration at Syncrude's Aurora North Mine, Alberta
- 14:00 M. E. Connelly:** West Athabasca Grand Rapids Bitumen Deposit — A New SAGD Play
- 14:20 L. W. Bellman, M. E. Connelly:** 3-D Reservoir Characterization in the Grand Rapids Oil Sands
- 14:40 Break**

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- 15:20 F. Delbecq, R. Moyer:** SAGD Well Planning Using Stochastic Inversion
- 15:40 P. Bauman, B. Hansen, D. Parker:** Routine Geoelectric Exploration for Shallow Gas and Oil Sands Using Electrical Resistivity Tomography (ERT)
- 16:00 T. B. Oldenburg, M. Brown, H. Huang, J. Adams, B. Bennett, N. Marciano, S. Larter:** Applications of FTICRMS towards Evaluating Source Charge Contributions in Severely Biodegraded Oils; Examples from the Alberta Oil Sands and the Liaohe basin, NE China
- 16:20 O. Babak, C. Deutsch:** Reservoir Continuity Assessment with Mass Moments of Inertia

Theme XI: North American Unconventional Oil — The Bakken Session II (EMD)

North Building, Main Level, Telus 104/105/106

Co-Chairs: N. Fishman and S. Egenhoff

- 13:15 Introductory Remarks**
- 13:20 R. Hill:** Bitumen Filled Fractures in the Bakken Formation and Implications for Gas Shale Systems
- 13:40 D. W. Hume, G. R. Davies, R. Crain:** A New Oil Migration Model for the Bakken Petroleum System of the Williston Basin
- 14:00 S. A. Sonnenberg:** Source and Reservoir Characteristics of the Bakken Petroleum System in the Billings Nose Area, Williston Basin
- 14:20 R. Liu, A. Newson, T. Buchanan:** Modeling the Impact of Deep Structures on Liquid Production in the Bakken Oil Shale Play of the Williston Basin of Canada and the USA
- 14:40 Break**
- 15:20 K. Mba, M. Prasad, M. L. Batzle:** The Maturity of Organic-Rich Shales Using Micro-Impedance Analysis
- 15:40 S. L. Stockton:** The Use of 3-Component Seismic Data to Identify Sweet Spots in Fractured Bakken Reservoirs
- 16:00 J. Bray, E. Menendez, C. H. Smith*:** Three Dimensional Shear Data to Design Effective Completions in Unconventional Reservoir
- 16:20 P. J. Bennett, P. Philipchuk, A. Freeman:** Arthur Creek "Hot Shale": A Bakken Unconventional Oil Analogy in the Georgina Basin of Northern Territory, Australia

Theme I: Depositional Systems and Sequence Stratigraphy I (SEPM)

South Building, Upper Level, Glen 201/202

Co-Chairs: J. Lavagne and P. McCarthy

- 13:15 Introductory Remarks**
- 13:20 D. Eberth:** A Revised Stratigraphic Architecture and History for the Horseshoe Canyon Formation (Upper Cretaceous), Southern Alberta Plains
- 13:40 A. Bachtiar, M. Syaiful, Y. S. Purnama, J. Wiyono, M. Rozalli, L. Jr, A. Krisyunianto, P. Suandhi:** The Dynamics of Mahakam Delta, Indonesia, Based on Spatial and Temporal Variations of Grab Samples, Cores, and Salinity
- 14:00 Y. Li, W. Li, Y. Zhu, D. Garza, A. Summiyah, J. Bhattacharya:** 3-D Geometry and Facies Architecture of Fluvial-Dominated Mouth-Bar Deposits, Ferron Notom Delta, Utah, USA
- 14:20 O. A. Ehinola, O. A. Falode, T. A. Ologun*:** Sequence Stratigraphic Framework of Nemo Field, Onshore Niger Delta
- 14:40 Break**
- 15:20 J. Thompson, D. Kamola:** Hydrodynamic Interpretation of High-Energy Wave-Dominated Shoreface Successions, Cretaceous Mount Garfield/Illes Fm, Colorado
- 15:40 P. Liyin, J. Shou, Z. Jingao, Z. Xingping:** Dolomitization and Reservoir Characteristics of Chx-Fxg Formation in Sichuan Basin (SW China)
- 16:00 G. S. Bellos:** Sedimentology Diagenesis Stratigraphy and Paleontology of the Lower Cretaceous Rock Sequence in Lebanon
- 16:20 A. Al-Tawi, C. T. Lehmann:** Mixed Carbonates/Evaporites: The Need for Advancing the Understanding of a Complex System

Theme VIII: Reservoir Management Case Studies II (AAPG)

South Building, Upper Level, Glen 203/204

Co-Chairs: G. Walker and L. Danard

- 13:15 Introductory Remarks**
- 13:20 J. Chen:** Application of Chronostratigraphic and Lithostratigraphic Concepts to Deep-Water Reservoir Characterization
- 13:40 P. Chimienti, P. Michel, R. Van Tilburg, A. Aramowicz:** Production Rate Controls for Thin Oil Rim Reservoirs in High-Quality Sands, Case Study Gabon
- 14:00 L. C. Mwakipesile, B. Nandlal, R. Ramdajal:** A New Approach for Field Development of Complex Heavy Oil Reservoirs in a Wetland Environmentally Sensitive Area, Tambaredjo NW Field, Suriname

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14:20 M. L. Belobraydic, W. J. Clark, G. S. Forrest, Y. Ma, F. O. Iwere, H. Gao: Applying an Integrated Reservoir Model in Field Development of a Brownfield, Canfield Ranch, California

14:40 Break

15:20 G. S. Titaley, B. W. Adibrata, T. Sasongko: Back To Basic Approaches: A Preliminary Study on Layer B/600 for Tempino Waterflooding Project, Jambi — Indonesia

15:40 V. F. Eveline, B. W. Adibrata, S. Yudha: Petrophysical Property Estimation for Miocene Ngrayong Sandstone, Using Integrated Core-Log Analysis; A Case Study in Building Reservoir Geomodel Using Limited Data, Kawengan Field, Indonesia

16:00 Y. Mi, A. Ruiter, R. Quinn: Quantitative Reservoir Characterization of PM3 Block, Malay Basin

16:20 L. Huang, J. Pan, D. Wei, Y. Wang, P. Li: The Research of Composite Reservoir Evaluation under the Control of Palaeogeomorphology

Business Forum — Unconventional Exploration and Development Geoscientists Toolbox: What New Tools do Geoscientists Need in the Next Decade?

South Building, Upper Level, Glen 206

Co-Chairs: R. Herbert and J. Fraser

13:15–14:40

See summary page 6

Theme XIV: International Tight Gas Techniques and Case Studies I (AAPG)

South Building, Upper Level, Glen 206

Co-Chairs: G. Reinson and C. Lamb

15:20 Introductory Remarks

15:25 D. Sun: Correlation and Study of the Genetic Type and Source of Natural Gas of Fault-Depression Volcanic Formation of Xujiaweizi of Daqing

15:45 C. Zou, X. Li, P. Tang, J. Dai, S. Tao, Z. Yang, X. Gao, Q. Guo: Geological Features and Exploration for Tight Gas, Shale Gas and Other Unconventional Oil/Gas Resources in China

16:05 J. Zhang, T. Fan, B. Yu: Shale Gas Potential in Yangtze Area, South China

Theme XIV: International Unconventional Gas II (AAPG)

South Building, Upper Level, Glen 208/209

Chair: S. Nelskamp

13:15 Introductory Remarks

13:20 U. Berner, T. Kahl, G. Scheeder: Hydrocarbon Potential of Basin Sediments of the Wealden — A Shale Gas Target in Germany

13:40 S. Nelskamp, H. Doornenbal, T. van der Putte: Gas Shales in the Netherlands — A First Inventory

14:00 V. Kidambi, N. S. Rao, S. Al-Ashwak, B. Al-Qadeeri, D. Kho, S. Chakraborty, K. Khan, D. Nieuwland: Fracture Characterization Challenges in Developing the Jurassic Tight Carbonate Gas Reservoirs of North Kuwait

14:20 M. Garcia-Gonzalez: Shale Gas Potential in the Eastern Cordillera of Colombia

14:40 Break

15:20 U. Ahmed, S. Hannan: Tiering of International Shale Reservoirs

15:40 M. A. Al Duhailan, A. A. Al Naim, M. J. Al Mahmoud: Potential for Basin-Centered Gas in Saudi Arabia; Southwest Ghawar Basin — A Case Study

16:00 M. Silverman, T. Ahlbrandt: Mesoproterozoic Unconventional Plays in the Beetaloo Basin, Australia: The World's Oldest Petroleum Systems

16:20 J. Underschultz, L. Connell, R. Jeffery, N. Sherwood: Coal Seam Gas in Australia: Resource Potential and Production Issues

Special Lecture — Geology of a Major SAGD Bitumen Development — A Case Study from Long Lake, Northeastern Alberta

South Building, Lower Level, Macleod A

Co-Chairs: R. Clark and F. Hein

17:00–18:00 D. Leckie: Speaker, M. Fustic, C. Seibel

See summary page 6

Tuesday Poster Sessions

Presenters in their booths (9:00–10:30 and 14:00–15:30)

Theme IV: Petroleum Systems — Source Rock, Migration, Trap, Seals (AAPG)

South Building, Lower Level, Macleod Pre-function

8:00–17:00

Co-Chairs: V. Stasiuk, N. Marcano, J. Cody and J. Adams

- **N. C. Azambuja, M. Mello, A. A. Bender, P. Schmitt, B. Swanson:** Petroleum System of Deep-Water Offshore Namibia

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- **X. Wang, M. Li*, Z. Feng, W. Fang, Z. Li, Q. Huo, S. Achal, M. Milovic, R. Robinson, C. Huang, G. Song:** Revised Oil-Source Correlation Models in the Chao-Chang Region and Implications for Lower Cretaceous Petroleum Play Concepts in the Songliao Basin, NE China

- **O. Haeri-Ardakani, I. Al-Aasm, M. Coniglio:** Fracture Mineralization and Fluid Flow Evolution: An Example from Middle Devonian Carbonates, Southwestern Ontario

- **A. Hartwig, D. Boyd, G. Kuhlmann, S. G. Adams, C. Campher, Z. Anka, R. Di Primio, T. Albrecht, V. Singh:** Characterization of Hydrocarbon Generation and Migration Dynamics Based on Seismic Interpretation and Basin Modeling: An Integrated Study of the Orange Basin, South Africa

- **G. W. Lowey:** A Petroleum Events Chart for Cretaceous Strata in Eagle Plain: An Under-Explored Foreland Succession in Northern Yukon, Canada

- **L. Berbesi, R. Di Primio, B. Horsfield, S. Dallimore, D. Higley-Feldman:** Beyond Conventional Petroleum Systems Modeling: Thermogenic and Biogenic Hydrocarbon Emissions through Geologic Time

- **K. Bogoslawski, L. R. Miller:** Petroleum Source Potential in the West Disko Area, Offshore West Greenland: Regional Evidence from Multiple Data Sets

- **S. Best, S. O. Sears, C. Willson:** Integration of Imaging Techniques over Multiple Scales

- **M. C. Daszinnies:** A Workflow for Routine Application of Apatite Fission Track Analysis in Petroleum Systems Analysis and Modeling Exemplified in the Hammerfest Basin, Southern Norwegian Barents Sea

- **A. F. Scherrenberg, C. E. Bond:** Understanding Fold-Thrust Belt Architecture to Identify New Plays

- **J. Chatellier, M. van der Vreede, M. Chatellier:** Earthquakes Alignments Linked to Hydrocarbon Sweet-Spots in the Western Canadian Sedimentary Basin

- **S. O. Akande, M. D. Lewan, M. Pawlewicz, S. Egenhoff, O. J. Samuel, O. A. Adekeye, O. J. Ojo:** Comparison of Hydrous Pyrolysis Petroleum Yields and Compositions from Nigerian Lignite and Associated Coaly Shale in the Anambra Basin

- **Y. Kettanah, L. Eliuk, G. Wach:** Reservoir Characteristics of the Chalk of the Wyandot Formation, Scotian Margin: Case Study of the Eagle D-21 and Primrose A-41 Wells

- **J. Lukaye, L. Kiconco, D. Worsley*:** The Neogene Succession of the Lake Albert Rift, Uganda — Challenges and Opportunities

Theme XII: North American Unconventional — Exploration and Development Technologies (AAPG)

South Building, Lower Level, Macleod Pre-function

8:00 - 17:00

Co-Chairs: J. McCracken and M. Teitz

- **A. Mitra, D. Warrington, D. A. Sommer:** Characterization of Unconventional Shale Gas Reservoirs Using a Shale Gas Facies Expert System to Identify Lithofacies and Optimal Completion Intervals

- **C. K. Miller, E. I. Rylander*, J. Le Calvez:** Detailed Rock Evaluation and Strategic Reservoir Stimulation Planning for Optimal Production in Horizontal Gas Shale Wells

- **L. A. Cassel, D. Schultz:** High Resolution Spectral Gamma Ray Log (HRSGR): Applications for Unconventional Reservoirs

Theme XV: Geoscience Investigations and Petroleum Search Beyond Traditional Exploration Confines (AAPG)

South Building, Lower Level, Macleod Pre-function

8:00–17:00

Chair: I. Dawes

- **W. Dickson, C. F. Schiefelbein, M. E. Odegard:** East, West, Which Is Best? Brazilian Versus West African Transform Margin Hydrocarbon Play Elements

- **A. Mustaqeem, V. V. Baranova*:** Using Advanced Seismic Attribute Analysis to Reduce Risk in Frontier Exploration — West Newfoundland Offshore

- **L. Fernando, F. Francisco, L. Claudio, L. Daniel:** Geochemical Anomalies Characterization by Microbial and Trace Elements Analysis Related to Hydrocarbon Migration, Neuquén Basin, Argentina.

- **M. A. Bedregal, M. A. Bedregal, M. Tenorio:** Análise de métodos de determinação de limiares e interpoladores em dados geoquímicos de superfície aplicada a exploração de hidrocarbonetos

- **G. Hatch, J. Erickson:** Evaluation of the Structure, Stratigraphy and Hydrocarbon Play Types of Offshore Florida using Seismic Reflection Data

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Theme VI: Rift to Drift, Passive Margin, Transition Tectonics (AAPG)

South Building, Lower Level, Macleod Pre-function
8:00–17:00

Chair: A. Fraser

- **N. Baristeads, Z. Anka, R. Di Primio, F. Dominguez, G. Kohler, E. Vallejo, J. Rodriguez, D. Marchal:** Seismo-Stratigraphic Analysis and Characterization of Hydrocarbon Leakage Indicators in the Malvinas Basin, Offshore Argentine Continental Margin
- **W. Dickson, J. M. Christ, P. J. Post, M. E. Odegard:** What's Cooking? Source Rock Descriptions and Hydrocarbon Potential of the Western Central Atlantic Margin
- **A. Lowrie:** Major Hydrocarbon Generation in the Northern Gulf of Mexico Apparently Resultant of Interactions between Mantle, Lithosphere, Sedimentsphere, and Hydrosphere
- **A. Lowrie:** Basement and Continental Margin Dynamics Commence, Maintain, and Terminate Hydrate Accumulations along the Seafloor of Prolific Continental Margins Such as the Northern Gulf of Mexico
- **W. Dongtao, Z. Yingcheng, W. Pingsheng, L. Zhenhua, J. Pan:** Uplift History of the Bogda Range Retrieved from the Foredeep Sequences, Northwestern China

Wednesday Morning Oral Sessions

Theme IV: Petroleum Systems — Source Rock, Migration, Trap, Seals I (AAPG)

South Building, Lower Level, Macleod A

Co-Chairs: J. Adams and B. Bennett

8:00 Introductory Remarks

- 8:05 **F. Wang, J. Chen, B. Wang:** How to Describe Heterogeneous Source Rocks in Basin and Petroleum System Modeling?
- 8:25 **S. Nelskamp, T. Donders, J. van Wees, O. Abbink:** Influence of Surface Temperatures on Source Rock Maturity
- 8:45 **S. Tao, C. Zou, Z. Yang, X. Gao, X. Yuan, L. Song:** Geologic Characteristics and Hydrocarbon Accumulation Mechanism for Continuous Oil Reservoirs in Songliao Rift-Depression Basin in NE China
- 9:05 **Y. Sun:** Deciphering Hydrocarbon Accumulation Processes for the Oil Pools in Superimposed Petroliferous Basins within Mass Fractions
- 9:25 **Break**

- 10:05 **J. Scott, J. Guthrie, S. Crews, G. Gordon, B. Hansen, N. McCormack, D. Griffin, L. Lawton, R. Graham, T. Grow, A. Pepper, C. Burke:** Petroleum Systems of the Northern Red Sea

- 10:25 **A. A. Bender, M. Mello, N. C. Azambuja, M. B. Araújo, E. de Mio:** New Insights into the Petroleum Systems of the Solimoes Basin: Checking Petroleum Occurrences with 3-D Modeling Results

- 10:45 **G. Gordon, B. Hansen, J. Scott, C. Hirst, R. Graham, T. Grow, A. Spedding, S. Fairhead, J. Miller, D. Pocknall, L. Fullarton, D. Griffin:** Prospectivity in the North Red Sea Egypt — New Data, New Challenges, New Opportunities

- 11:05 **N. I. Marcano, S. Larter, B. Mayer:** The Utility of the Stable Isotopic Composition of Severely Biodegraded Oils as Petroleum System Correlation Parameters

Theme XII: North American Unconventional — Exploration and Development Technologies I (AAPG)

North Building, Main Level, Telus 104/105/106

Co-Chairs: N. Wilson and H. Pitts

8:00 Introductory Remarks

- 8:05 **T. Engelder, J. Hayward:** Pervasive Strain the Marcellus Gas Shale of the Appalachian Plateau as Revealed by CAT-Scan Analyses of Core.
- 8:25 **J. Bray, C. H. Smith, S. Ramakrishna, E. Menendez:** Magnetic Resonance Utilization as an Unconventional Reservoir Permeability Indicator
- 8:45 **C. N. Smith:** Rapid Handheld X-ray Fluorescence (HHXRF) Analysis of Gas Shales
- 9:05 **J. H. Deng:** Facies Modeling of Tight Gas Reservoir Using Neural Network: Case Study of Nikanassin Formation in Canadian Foothills
- 9:25 **Break**
- 10:05 **K. Schmidt, M. Poole, G. Hildred:** A Triumvirate of Targeting — A Three-Pronged Approach to Keeping a Horizontal Well in the Desired Eagle Ford Reservoir Interval
- 10:25 **A. Newson:** Geosteering Horizontal Wells into the “Sweet Spot” of Thin Non-Conventional Reservoirs, Examples from the Cardium Sand of the Alberta Deep Basin.
- 10:45 **M. Pavlovic:** An Integrated Approach to Shale Gas Evaluation, Horizontal Drilling and Hydraulic Stimulation
- 11:05 **J. Le Calvez, J. Stokes*, W. Xu, R. Zhao, M. Thiercelin, H. Moros, S. Maxwell:** Unconventional Approach for an Unconventional Reservoir: Example of Hydraulic Fracturing Treatments in Adjacent Horizontal Wells in a Faulted Reservoir

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Theme XV: Geoscience Investigations and Petroleum Search Beyond Traditional Exploration Confines I (AAPG)

South Building, Upper Level, Glen 201/202

Chair: R. Clark

8:00 Introductory Remarks

- 8:05 **L. Giraldo, A. E. Calle:** Fizz and Commercial Gas Discrimination in the Colombian Caribbean Sea through AVO Attributes and Fluids Substitution Modeling
- 8:25 **A. Newson:** The Mountain Front Fault and Its Impact on Exploration in Kurdistan, Zagros Fold and Thrust Belt
- 8:45 **M. Mello, N. C. Azambuja, H. P. Lima, A. J. Catto, E. Rosseti, P. Schmitt, M. B. Araújo, A. A. Bender:** The Last Frontier for Supergiant Oil and Gas Accumulations in the Onshore Brazilian Basins: The Solimoes Province, Amazon Area, Brazil
- 9:05 **K. Peters, O. Schenk, K. Bird:** Timing of Petroleum System Events Controls Accumulations on the North Slope, Alaska
- 9:25 **Break**
- 10:05 **H. Wilson, S. MacMullin:** Plate Tectonics Reconstruction of Nova Scotia's Offshore
- 10:25 **J. F. Weston, P. Ascoli, M. Cooper, R. A. Fensome, R. A. MacRae, D. Shaw, G. L. Williams:** Biostratigraphic and Well-Log Sequence Stratigraphic Framework of the Offshore Nova Scotia Margin, Canada
- 10:45 **D. Schumacher:** Petroleum Exploration in Environmentally Sensitive Areas: Opportunities for Geochemical and Non-Seismic Geophysical Methods
- 11:05 **H. W. Meurer:** A Novel Remote Sensing Technology for Frontier Exploration

Forum — The Value of Diversity in Leadership Global Perspectives

South Building, Upper Level, Glen 203/204

Chair: G. Gillis and D. Cook

8:00–11:25

See summary page 7

Theme IX: Risk Analysis and Assessment (AAPG)

South Building, Upper Level, Glen 206

Chair: B. Haskett

8:00 Introductory Remarks

- 8:05 **B. G. Langhus:** Implications and Impacts of Peak Oil for the Small- and Medium-Sized Petroleum Producer.
- 8:25 **C. Bynum, M. Weller, B. Haskett, D. McManus:** Steam and Glean: Planning to Learn in a Potential World-Class Heavy Oil Project

- 8:45 **F. R. Chaban, G. T. Gibson, J. L. Garduno:** Strategic Business Approach to Turn Exploration Data into Drilling Prospects.

- 9:05 **W. J. Haskett, P. Brown:** Recurrent Issues in the Evaluation of Unconventional Resources

Theme VII: International Regional to Reservoirs — Case Studies (AAPG)

South Building, Upper Level, Glen 206

Chair: I. Dawes

10:05 Introductory Remarks

- 10:10 **Y. Zhanlong:** Tectonic Evolution and Hydrocarbon Occurring of Block-Type Basins in Hinterland of Asia
- 10:30 **S. Bunditchayakorn, P. Intasalo, N. Prapasanobon:** New Exploration Targets in Northern Offshore Bahrain: Integration of Seismic Sequence Stratigraphy and Seismic Inversion
- 10:50 **S. K. Tanoli, M. D. Al-Ajmi, H. Al-Amman, N. Banik:** Where to Find the Reservoir? Late Valanginian Unconformity Associated Play in Kuwait.
- 11:10 **J. J. Mhuder, R. A. Abdulsadah:** Reservoir and Geological Properties of the Middle Cretaceous Nahr Ibn Umr Field, Nahr Umr Formation-South Iraq

Theme II: Circum-Arctic Geology and Petroleum Resources I (AAPG)

South Building, Upper Level, Glen 208/209

Chair: A. Embry and S. Drachev

8:00 Introductory Remarks

- 8:05 **Y. M. Chevalier:** Circum-Arctic Region: Plate Tectonic Evolution and Hydrocarbon Provinces
- 8:25 **B. Ady, M. G. Dinkelman, J. A. Helwig, N. Kumar:** Deformable Plate Tectonic Reconstructions Incorporating Interpretations from Newly Acquired Geophysical Data Support a Multi-Phase Plate Tectonic Model for the Origin and Evolution of the Amerasian Basin
- 8:45 **N. J. Kuszniir, A. Alvey, N. Lebedeva-Ivanova, C. Gaina, T. H. Torsvik:** Arctic Crustal Thickness, Oceanic Lithosphere Distribution and Ocean-Continent Transition Location from Gravity Inversion
- 9:05 **V. Verzhbitsky, S. Sokolov, E. Frantzen, M. Tuchkova, G. Bannikov:** The Structure of the Wrangel Arch (Russian Chukchi Sea), Based on Marine Seismic and Onshore Observations
- 9:25 **Break**

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- 10:05 D. Houseknecht, K. Bird:** Geology and Petroleum Potential of the Rifted Margins of Arctic Alaska and the Chukchi Borderland
- 10:25 T. E. Moore, K. Bird:** Is the North Slope a Displaced Part of the Caledonian Orogenic Belt?
- 10:45 K. Peters, L. Ramos, J. Zumberge:** Circum-Arctic Petroleum Systems Defined Using Biomarkers, Isotopes, and Chemometrics
- 11:05 D. L. Gautier:** U.S. Geological Survey Circum-Arctic Resource Appraisal (CARA)

Wednesday Afternoon Oral Sessions

Theme IV: Petroleum Systems — Source Rock, Migration, Trap, Seals II (AAPG)

South Building, Lower Level, Macleod A
Co-Chairs: M. Li and M. Fay

- 13:15 Introductory Remarks**
- 13:20 J. Chesterman:** Arc-Continent Collision: A Comparison of the SE Caribbean and Taiwan-Ryukyu Margins
- 13:40 N. Ellouz-Zimmermann, J. Faure, E. Frery, R. Deschamps, A. Battani, J. Schmitz, O. Vincke:** Dynamics of the Faults in the Colorado Plateau in Utah. Impact of Tectonic Heritage and Reservoir Architecture on the Fault Sealing Efficiency
- 14:00 E. Frery, N. Ellouz-Zimmermann, J. Gratier, C. Aubourg, D. Blamart, J. Faure, A. Battani, J. Schmitz, O. Vincke:** Chronology of Leaking Events and Sealing Processes in Fractured Reservoir: A Natural Example in Utah (USA)
- 14:20 H. Doornenbal:** Overview of Petroleum Provinces in the Southern Permian Basin
- 14:40 Break**
- 15:20 M. Deriszadeh, R. Wong:** Determination of the Coefficients of Volume Change with Respect to Concentration and Pressure in Saturated Shale
- 15:40 M. A. Prince, R. A. Acevedo, C. Sanchez, D. Rojas:** Upper Cretaceous in the Middle Magdalena Valley, Colombia: A New Exploratory Target In and Old Mature Basin
- 16:00 L. Waite, T. Loseke, A. Stephens, M. Millard, J. King, N. Burnett, G. Barzola:** Integrated Analysis of the Lower Cretaceous Edwards Reef, Stuart City Trend, South Texas, USA
- 16:20 J. Booth, G. Ageneau, P. Chimienti, P. Michel, J. R. Ruiz Corregidor, J. Baillie:** Evolved Understanding of Reservoir Distribution and Connectivity in a Complex Fluvial System — A Case Study from Development of the Dentale Formation in the Tsiengué and Obangue Fields, Onshore Gabon

Theme XII: North American Unconventional — Exploration and Development Technologies II (AAPG)

North Building, Main Level, Telus 104/105/106
Co-Chairs: N. Wilson and H. Pitts

- 13:15 Introductory Remarks**
- 13:20 M. Suhrer, E. Diaz, A. Grader, C. Sisk:** 3-D Visualization and Classification of Pore Structure and Pore Filling in Gas Shale
- 13:40 R. Slatt, R. Portas, N. Buckner, Y. Abouleiman, N. O'Brien, M. Tran, R. Sierra, P. Philp, A. Miceli-Romero, R. Davis, T. Wawrzyniec:** Outcrop/Behind Outcrop (Quarry), Multiscale Characterization of the Woodford Gas Shale, Oklahoma
- 14:00 M. Holmes, A. Holmes, D. Holmes:** A Petrophysical Method to Evaluate Irregularly Gas Saturated Tight Sands Which Have Variable Matrix Properties and Uncertain Water Salinities
- 14:20 J. A. Ward:** Estimating Organic Porosity from TOC Data on The Marcellus Shale
- 14:40 Break**
- 15:20 C. Keegan:** Understanding Porosity and Permeability Relationships to Mineralogy and Organic Matter in Unconventional Gas Reservoirs Utilizing New Technologies
- 15:40 N. B. Harris, T. Ko, P. Philp:** Applying Natural Gas Compositions from Large Tight-Gas-Sand Fields to Reservoir Filling Models
- 16:00 L. Dabek, R. Knepp, J. Boyles:** Enhanced Permeability Prediction in Wave-Dominated Shoreface Rocks of the Spring Canyon Member, Utah, U.S.A.
- 16:20 S. T. Knopp, F. F. Krause:** Beyond Traditional Fluvial Heterogeneity Models — Investigation of Tight Sandstones and Near-Surface Diagenesis in Late Jurassic to Early Cretaceous Paleovalley Outcrops of the U.S. Western Interior

Theme XV: Geoscience Investigations and Petroleum Search Beyond Traditional Exploration Confines II (AAPG)

South Building, Upper Level, Glen 201/202
Chair: D. Schumacher

- 13:15 Introductory Remarks**
- 13:20 S. L. Perry, F. A. Kruse:** Evidence of Hydrocarbon Seepage Using Multispectral Satellite Imagery, Kurdistan, Iraq
- 13:40 D. Sutherland:** Organic Geochemistry Detects Hydrocarbon Signatures in Surficial Samples to Locate and Identify Deeply Buried Exploration Targets

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- 14:00 S. Schmid, J. Bourdet:** Fluid Migration and Diagenetic Homogeneity in the Amadeus Basin, Australia
- 14:20 D. Schumacher, L. Clavareau, D. C. Hitzman:** Hydrocarbon Exploration Survey Strategies for Frontier Basins
- 14:40 Break**
- 15:20 D. Seneshen, J. V. Fontana:** Unique Geochemical Methods for Regional On-shore Petroleum Exploration in the Mackenzie Delta, Northwest Territories, Canada.
- 15:40 M. Swan, S. Keith, S. L. Perry*:** Vectoring Petroleum Systems Using Satellite Imagery Calibrated to Geochemistry
- 16:00 L. A. LeSchack, J. R. Jackson, J. K. Dirstein, W. B. Ghazar, N. Ionkina:** Major Recent Improvements to Airborne Transient Pulse Surveys for Hydrocarbon Exploration
- 16:20 L. Fernando, V. Maximo, F. Francisco, L. Claudio:** A Modified Method of Microbial Analysis for Oil Exploration and its Application on Five Basins of Southern and Western Argentina

Theme VII: Exotic Plays I (AAPG)

South Building, Upper Level, Glen 203/204
Chair: K. Gerdes

- 13:15 Introductory Remarks**
- 13:20 K. Hoshi, S. Okubo:** Hydrothermally Dissolved Dolerite Reservoir in the Akita Basin, Japan
- 13:40 S. Yudha, B. Benyamin, A. Setyadi, A. Handoyo:** The Identification of Top Volcanic Reservoir of Jatibarang Field, Onshore West Java, Indonesia
- 14:00 C. Hanks, J. Mongrain, A. Dandekar, P. J. McCarthy, V. Godabrelidze, C. Shukla, K. Venepalli, O. Levi-Johnson, G. Shimer, R. Wentz:** Integrated Geological and Engineering Studies in Support of Producing Light Oil from a Frozen Reservoir: A Case Study from Umiat Oil Field, Northern Alaska
- 14:20 Break**
- 14:40 Break**
- 15:20 K. Johnston, S. Keith, P. Johnston, M. Swan:** Origin of the Green River Kerogen by Serpentinite-Powered Hydrothermalism
- 15:40 J. Zhou:** Barrier-Lagoon Sedimentary Model and Reservoir Distribution Regularity of Lower-Ordovician Majiagou Formation, Ordos Basin, China

Theme IV: Sources and Seeps (AAPG)

South Building, Upper Level, Glen 206
Chair: R. Clark

- 13:15 Introductory Remarks**
- 13:20**
- 13:40 M. Li, Z. Chen, D. Issler, S. Achal, M. Milovic, R. Robinson:** New Insights into the Effective Petroleum Source Rocks in the Beaufort-Mackenzie Basin from an Integrated Molecular and Isotope Approach
- 14:00 M. Runge:** Exploration Opportunities in the Davis Strait Offshore Southwest Greenland

Theme II: Circum-Arctic Geology and Petroleum Resources II (AAPG)

South Building, Upper Level, Glen 208/209
Chair: A. Embry and S. Drachev

- 13:15 Introductory Remarks**
- 13:20 P. A. Emmet, N. Kumar, M. G. Dinkelman, J. A. Helwig:** Tectonic Framework and Regional Seismic Expression of Exploration Plays, Canadian Beaufort Sea
- 13:40 M. E. Enachescu, J. Hogg, P. Price, F. Kierulf:** Seismic Imaging of Major Unconformities and Disconformities in the Beaufort-Mackenzie Basin of the Canadian Arctic
- 14:00 M. G. Dinkelman, J. A. Helwig, J. Gagliardi, R. Whittaker, N. Kumar:** Tectonic and Stratigraphic Insights in the Development of NE Greenland Margin through Deep, Long Offset, Prestack Depth Migrated (PSDM), 2-D Seismic Data
- 14:20 J. C. Olsen:** Baffin Bay, Davies Strait and Labrador Sea. A Summary of Hydrocarbon Geology and Structural Elements — News
- 14:40 Break**
- 15:20 A. Alvey, N. J. Kuszniir, T. H. Torsvik, C. Gaina:** Assessing Plate Reconstruction Models Using Continental Extension Predicted by Gravity Inversion for the NE Atlantic and Labrador Sea Rifted Margins
- 15:40 O. A. Anfinson, A. Leier:** Detrital Zircon Analysis Applied to the Neoproterozoic-Devonian Franklinian Basin, Canadian Arctic Islands
- 16:00 A. Embry, T. Brent:** Paleo-Ballantyne Strait of the Sverdrup Basin — Late Paleozoic and Early Mesozoic Gateway to Alaska
- 16:20 D. Bonté, R. Abdul Fattah*, S. Nelskamp, J. van Wees, R. Stephenson:** Heat Flow Modeling and Tectonic Evolution of The Sverdrup Basin

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Wednesday Poster Sessions

Presenters in their booths (9:00–10:30 and 14:00–15:30)

Theme XIII: International Unconventional Oil (AAPG)

South Building, Lower Level, Macleod Pre-function
8:00–17:00

Chair: I. Dawes

- **K. Dasgupta, S. Samin, B. R. Bharali:** An Analysis of Pre-Tertiary Plays in Matimekhana-Deohal Area — A Case Study from OIL's Operational Area in Northeast India
- **T. GuangRong:** Petroleum Accumulation Dynamics of Lithologic Pools in Fu-Yang Reservoir, Daqing Placanticline
- **M. Jian:** Characteristics of Lujiazhuang Paleo-Oil Reservoir in Mid-Upper Proterozoic of Northern Part of North China
- **C. Gang, Y. Qingzhou, L. Shuangwen:** Identification of Subtle Oil/Gas Reservoir in Junggar Basin of West China

Theme XVI: Heavy Oils/Bitumen Carbonates/Oil Sands (EMD)

South Building, Lower Level, Macleod Pre-function
8:00–17:00

Co-Chairs: F. Hein and R. Rice

- **T. Villarroel, A. Zambrano, R. Garcia:** Technological Challenges in the Integral Development of the Orinoco Oil Belt, Eastern Venezuela
- **M. Cevallos, C. Rojas, P. Hernán:** CHOPS Experience in Argentina, Application in the Development of the Rio Colorado Shallow Heavy Oil Belt, Neuquén Basin
- **C. Sisulak, S. Dashtgard:** The Development of Inclined Heterolithic Stratification in a Tidally Influenced, Fluvially Dominated River, Fraser River, British Columbia
- **S. Kotadia, D. Wallace, L. Slipp*:** Characterizing Ore Body with Process Performance Indicators using Pattern Recognition
- **J. C. Hopkins, K. Wilde, S. Christensen, K. R. Barrett:** Regional Stratigraphy and Reservoir Units of the Grosmont Formation, Saleski and Burnt Lakes, Alberta
- **J. Russel-Houston, R. McRory, S. Christensen, J. Carey:** Reservoir Architecture and Spatial Recognition of Stratal Packages of the Lower Grand Rapids Formation, Taiga Project, Cold Lake, Alberta
- **E. Hulm, G. Bernaski, C. Bridge, P. Gromek, B. Kostic, S. Lowe, R. Matson, C. Munn, D. Yancey, A. Duncan:** Integrated Reservoir Characterization in Pursuit of a Heavy Oil Giant in the Arctic

- **C. Baturin-Pollock, N. Sitek, T. Hurst, D. Chan:** Geology and Bitumen Resource Assessment of the Grand Rapids, Cold Lake, Alberta Canada
- **E. Wo, L. Song, T. Hurst, N. Sitek:** Geological Review and Bitumen Resource Appraisal of the Grosmont Formation within the Athabasca Oil Sands Area
- **M. B. Dahl, J. Suter:** Landscape Evolution of the Pre-Cretaceous Unconformity in the Western Canada Sedimentary Basin: Assessing the Relationship between Antecedent Pre-Cretaceous Topography and Overlying Cretaceous Deposits

Theme I: Depositional Systems and Sequence Stratigraphy (SEPM)

South Building, Lower Level, Macleod Pre-function
8:00–17:00

Co-Chairs: J. Lavigne and P. McCarthy

- **S. E. Taylor, P. K. Pedersen, D. P. Laycock, R. Spencer, H. Huang, I. Gates:** Using Bedforms and Stratigraphic Architecture to Indicate a Shallow Shelf Depositional Setting of Carlile and Niobrara Formations, SW Saskatchewan and SE Alberta
- **A. A. Werdaya, D. Noeradi:** Significant Influences of Paleogeographic and Sedimentation Study with Sequence Stratigraphic Method on Petroleum System of Telisa Formation, Central Sumatera Basin
- **N. C. Ngek:** Cyclostratigraphic Analysis of Pienaarsfontein se Berg Deltaic Sequence, Tanqua Sub-Basin, SW Karoo Basin, South Africa
- **X. Li, Z. Yingcheng, L. Huanqing, W. Yanrong, W. Lihua:** The Characteristics of the Sandy Debris Flow of the Triassic Yanchang Formation and Its Exploration Significance in the Ordos Basin, China
- **J. Hauer, O. Oswald, M. S. Hendrix, J. R. Staub, D. E. Jarvis:** Evidence for Forced Regression in the Santonian-Campanian Eagle Formation in South-Central Montana
- **K. Hoffmeister, D. Kamola:** Forebulge Influence on Deposition of the Cretaceous Castlegate Sandstone, Book Cliffs, Utah, USA
- **R. Deschamps, M. Gasparrini, O. Durand, E. Kohler, T. Euzen, F. Nader:** Impact of Mineralogy and Diagenesis on Reservoir Properties of the Lower Cretaceous Upper Mannville Formation (Alberta, Canada)
- **J. Shou, C. Si, Y. Shen, H. Zhang:** Dynamic Diagenesis and Porosity Preservation of Sandstone in Bearing-Hydrocarbon Basins of China

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- **M. Brunhart-Lupo:** Triassic-Jurassic Deposition in the Clarence-Moreton Basin, Springfield Lakes, Queensland, Australia
- **D. A. van der Kolk, M. T. Whalen, M. A. Wartes, R. J. Newberry, P. J. McCarthy:** Geochemistry, Sedimentology, and Stratigraphy of the Lower Cretaceous Pebble Shale Unit, Northeastern Alaska

Theme III: Mixed Carbonate/Evaporite Successions (SEPM)

South Building, Lower Level, Macleod Pre-function
8:00–17:00

Co-Chairs: R. Clark and I. Dawes

- **N. Neog, N. S. Rao, R. Al-mayyas, T. DeKeyser, C. Perrin, C. S. Kendall:** Evaporite Facies: A Key to the Mid Mesozoic Sedimentary Stratigraphy of North Kuwait