



AAPG

Annual Convention & Exhibition 2016

with SEPM (Society for Sedimentary Geology) and
Canadian Society of Petroleum Geologists (CSPG)

19–22 June 2016 • Calgary, Alberta, Canada
(plus pre- and post-events) BMO Centre at Stampede Park



REDEFINING RESERVOIR

Call for Abstracts Open

Deadline: 24 September 2015

Earn recognition and increase the exposure for your, your company's and/or your institution's ideas, research theories, case studies and concepts by presenting at the prestigious AAPG 2016 Annual Convention & Exhibition.

Submit Your Abstracts Now!

Your expert contribution and practical guidance will help promote and advance the exploration and production of global energy resources.

Industry professionals, academics and students are invited to submit abstracts that relate to any of the listed topics below. Oral, poster and core poster sessions will be determined by actual submissions.

Themes and Descriptions:

THEME 1: SILICICLASTICS

Theme Co-Chairs: Shahin Dashtgard (Simon Fraser University), Joe MacQuaker (ExxonMobil), Carmen Fraticelli (Noble Energy)

This theme will present the current trends and concepts of deposition, stratigraphy and characterization of siliciclastic rocks from sandstone to shale as applied to both exploration and development projects.

Sub-Themes

1. Continental and Paralic Systems
2. Deepwater Systems
3. Source-to-Sink
4. Mudrock Sedimentology and Stratigraphy and Muddy Shorelines
5. Biostratigraphy, Applied Palynology, Micropaleontology and Applied Ichnology
6. Geochemistry in Clastics, Source Rock Geochemistry and Clastic Diagenesis
7. Hydrogeology
8. Geomorphology
9. The Floods of 2013; Insights From the Dynamics of Fluvial Systems in Foreland Basins

THEME 2: CARBONATES AND EVAPORITES

Theme Co-Chairs: Alex MacNeil (Osum Oil Sands), Gareth Jones (ExxonMobil)

This theme will encompass current understanding and new research into carbonate and evaporite deposits as applied to exploration and development.

Sub-Themes

1. Recent Advances in Carbonate Diagenesis
2. Modeling of Carbonate and Evaporite Systems
3. Carbonate Heavy Oil Reservoirs
4. Unconventional Carbonate Systems
5. Geobiology of Carbonate Systems
6. Double and Triple Porosity in Carbonates – Enhanced Reservoir Performance Predictions

THEME 3: ENERGY AND THE ENVIRONMENT

Theme Co-Chairs: Bill Haskett (Decision Strategies), Francois Marechal (Quicksilver)

This theme will examine the relationship between the energy and the environment and will cover a broad range of topics from risk, environmental protection, regulatory issues and public perception concerning our industry.

Sub-Themes

1. Best Environmental Practices in the Energy Sector
2. Surficial Waters Stewardship
3. Ground Water Management Techniques – Current and Future
4. Sequestration – Established Versus Emerging
5. Sub-Surface Injection/Diffusion and Neutralization – A Road Yet Travelled?
6. The Big Picture – Environmental Assessment – Are We Missing Something?

THEME 4: GEOCHEMISTRY, BASIN MODELING AND PETROLEUM SYSTEMS

Theme Co-Chairs: Ken Peters (Schlumberger), Cindy Robinson (Nexen, Calgary), Barry Bennett (Schlumberger)

This theme will highlight the latest techniques in petroleum geochemistry and basin modeling and their application in solving complex problems in exploration and development.

Sub-Themes

1. Advances in Real-Time Downhole Geochemistry
2. The Role of Petroleum Geochemistry in Heavy Oil Production
3. Geochemistry and Geomechanics in Petroleum System Models of Unconventional Resources
4. Petroleum System Modeling and Calibration of Conventional Resources
5. Novel Calibration Tools for Petroleum System Models
6. Integrating Seismic Technology With Basin Modeling for Pore Pressure Prediction
7. Petroleum Systems: In Honor of Leslie B. Magoon (50 years!)

THEME 5: STRUCTURE, TECTONICS AND GEOMECHANICS

Theme Co-Chairs: Amy Fox (Canadian Discovery), Bob Krantz (ConocoPhillips), Peter Hennings (ConocoPhillips)

This theme will focus on all scales of rock deformation and its implication on exploring, understanding and developing our resources.

Sub-Themes

1. Geomechanics of Triggered Seismicity
2. Application of In Situ Stress and Realistic Rock Mechanics Properties in Developing Unconventional Reservoirs
3. Measuring and Representing Natural Fractures in the Subsurface
4. Role of Structural Analysis in Unconventional Resource Development
5. Why Structural Interpretation Quality Matters and How To Get It?
6. Multi-Phase Deformation Systems and the Role of Structural Inheritance
7. Structural Traps, Hydrocarbon Columns and Risk
8. Structural Interpretation of Basin Development: Thrust Belts, Extended Margins and Tectonically Passive Systems

THEME 6: UNCONVENTIONAL RESOURCES – CONTINUOUSLY EVOLVING AND EXPANDING WHAT WE KNOW AND EXPLORING WHAT WE DON'T

Theme Co-Chairs: Sharleen Overland (AER), Dean Rokosh (AGS), John Suter (Independent), Kevin Mageau (Repsol), Raphael Wust (Trican), William Ambrose (BEG), Bruce Cutright (BEG)

This theme will examine the major unconventional resource plays around the world focusing on the key geological controls and need for integrated technical and business approaches to successfully explore and develop these resources in the current fiscal environment.

Sub-Themes

1. Application of Microscale Techniques for Unconventional Plays (Pore Systems)
2. Condensate and Dry Gas Unconventional Plays
3. Tight Oil and Gas Plays

4. Reservoir Characterization and Modeling of Resource Play
5. Geostatistical Approaches: Uncertainty and Risk Management in Plays
6. Advancement in Technology in Unconventional Plays
7. Other Energy Minerals I: Uranium, Geothermal and Gas Hydrates
8. Other Energy Minerals II: Coal, CBM and Oil Shale
9. New Views of the Solar System

THEME 7: OIL SANDS – RESPONSIBLY EXPLORING AND DEVELOPING VAST BITUMEN RESOURCES

Theme Co-Chairs: Sharleen Overland (AER), Mark Caplan (Athabasca Oil Corporation), Chris Seibel (Nexen), Steven Schamel (GeoX Consulting Inc.)

This theme will explore and investigate advances in the integrated science of exploring for oil sands, predicting performance and optimizing oil sands development.

Sub-Themes

1. Oil Sands - New Methods of Development
2. Reservoir Characterization
3. Reservoir Stratigraphy: Case Studies
4. Aquifer Characterization and Cap Rock Integrity
5. Energy Development in the Oil Sands and Environmental Sustainability
6. International Oil Sands Prospects

THEME 8: RESOURCES TO RESERVES – EXTRACTING VALUE THROUGH TECHNICAL INNOVATION AND BUSINESS EFFICIENCY

Theme Co-Chairs: Gary Citron (Rose and Associates), Jean-Yves Chatellier (Tecto Sedi Integrated)

This theme will focus on innovation, technology and the multidiscipline approaches that are enabling technical teams to convert resources to reserves. We invite detailed investigations and discussions on emerging strategies and workflows, and decision-making for resource and reserve recognition

Sub-Themes

1. Emerging Strategies, Technology and Workflows for Successfully Understanding and Booking Resource and Reserves
2. Innovative and Multidisciplined Approaches that are Maximizing Value in a Low Price Environment
3. Strategies and Techniques to Better Quantify and Communicate Risk and Uncertainty
4. Paradigms Lost – Re-Tooling and Re-Modeling in Oil and Gas

THEME 9: GEOPHYSICS - INTEGRATION OF GEOSCIENCES AND ENGINEERING FOR EXPLORATION AND PRODUCTION SUCCESS

Theme Co-Chairs: Huyen Bui (Shell International E & P), Satinder Chopra (Arcis Seismic Solutions)

This theme will incorporate evolving geophysical technologies and workflows that integrate and enhance geological understanding of the subsurface at all stages in the petroleum life-cycle. We hope to ask and answer difficult questions regarding the relevance of geophysics in increasingly engineering-driven plays.

Sub-Themes

1. Reservoir Characterization in Clastics, Carbonates and Unconventionals
2. Practical Microseismic
3. Advanced Geophysical Techniques for Seismic and Non-Seismic Methods
4. Deepwater, Subsalt, Subbasalt Exploration Challenges and Case Histories
5. Environmental and Containment (Caprock, Frack Height) Geophysics
6. Geophysical Monitoring: 4-D Seismic

CSPG INTERNATIONAL CORE CONFERENCE, 23-24 JUNE

THEME 10: REDEFINING RESERVOIR – CORE VALUES

Theme Co-Chairs: Jim Barclay (ConocoPhillips), Ray Geuder (ConocoPhillips), Brent Kuntz (ConocoPhillips), Kely Latos (ConocoPhillips), Dale Leckie (University of Calgary) and Kelsea Pedersen (ConocoPhillips)

CSPG's annual core conference is being held adjacent to ACE 2016. This theme invites presentations, core displays and core posters to be featured at a post-convention seminar held at the world renowned Alberta Energy Regulator (AER) Core Research Center for two days of technical discussion and demonstration.

Sub-Themes

1. Siliclastics
2. Carbonates and Evaporites
3. Oil Sands
4. Ichnology
5. Unconventional
6. Geophysics
7. Petrophysics
8. Laboratory Methods

AAPG AND SEPM STUDENT POSTER SESSIONS

Theme Co-Chairs: Susan Waters (Shell), Alex Janevski (Shell), Rick Sarg (Colorado School of Mines), Howard Harper (SEPM), Murray Gingras (University of Alberta)

This theme will focus on the research and current work of student members of AAPG and SEPM.

Sub-Themes

1. AAPG
2. SEPM

SPECIAL SESSION: SEPM RESEARCH SYMPOSIUM: Revisiting Foreland Basin Tectonics, Stratigraphy, Sedimentology and Drainage Systems

Theme Co-Chairs: Dale Leckie (University of Calgary), Andrew Miall (University of Toronto)

This theme will showcase recent research that furthers the understanding of the structure, evolution, sedimentary fill and fluid migration in foreland basins.

Sub-Themes

1. Types of Foreland Basins and Foreland Basins Through Time
2. Foreland Basin Drainages and Depozones
3. Peripheral Versus Retroarc Foreland Basins
4. Thermal History, Fluid Migration, Fluid Source and Hydrocarbon Migration

SPECIAL SESSION: HISTORY OF PETROLEUM GEOLOGY: Remembering the Lessons of the Past: Key People, Key Concepts and Key Events From a Canadian Perspective

Theme Co-Chairs: Clinton Tippet (Shell Canada – retired), George Pemberton (University of Alberta (Edmonton)), David Finch (Industry historian and author)

This theme will present historical viewpoints on our industry predecessors, watershed events, first or giant discoveries and conceptual or technical developments in the oil and gas exploration of Canada and the world.

Sub-Themes

1. History
2. Petroleum Geology
3. GeoLegends and Pioneers
4. Canadian Basins
5. Great Discoveries of the World

Call for Abstracts Open

Submit your abstract online for the AAPG 2016 Annual Convention and Exhibition no later than 24 September 2015. Visit ACE.AAPG.org and select Call for Abstracts under the Technical Program header.

Abstract submission guidelines

- Abstracts should cover the objectives, procedures, results and conclusions of the research and should be no more than 2,500 characters in length including all spaces and punctuation. The title, authors and authors' affiliations are not included in the character limit.
- Evaluation and ranking of abstracts are based on relevance and timeliness of subject matter; usefulness of contribution to the advancement of knowledge, techniques or practice; and overall clarity, organization and presentation of ideas.
- Titles are required — they should be brief and state the topic.
- Abstract titles should not include company names.
- In keeping with the spirit of the convention, presenters must refrain from making subtle or blatant sales pitches including but not limited to: repeated use of product names, trade names or pictures or repeated use of company logo.
- Student submissions are encouraged to all sessions.
- Submit your abstract in the form in which you would like it published. Abstracts will not be edited.
- Authors will be notified of acceptance or rejection in November 2015.
- Authors of accepted abstracts will have the option to submit an extended version of their abstract which will then be reproduced on CD-ROM and made available at the convention.
- Authors are invited to have their work — oral, poster and core poster presentations — published on AAPG's online Search and Discovery to preserve their work for future reference.
- Each poster booth will be equipped with velcro-surface boards. Final booth design will be announced in the poster kit and sent to all confirmed poster presenters prior to the start of the convention.

AAPG has no funding for speakers. Do not submit an abstract unless at least one author is certain to attend the convention. Session chairs, speakers and poster presenters must register to attend the convention. No exceptions.

Abstract Submission

Abstracts for all sessions should be submitted online at ACE.AAPG.org. If you cannot submit your abstract online or have any questions, please contact the technical programs coordinator.

Alicia Collins, Technical Programs Coordinator

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