

TECHNICAL PROGRAM & REGISTRATION ANNOUNCEMENT

6-9 September
Cancún, Mexico

AAPG | SEG International Conference & Exhibition 2016

Hosted by:



Exploring Frontiers in a Competitive Environment

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- Learn technology, product and service solutions

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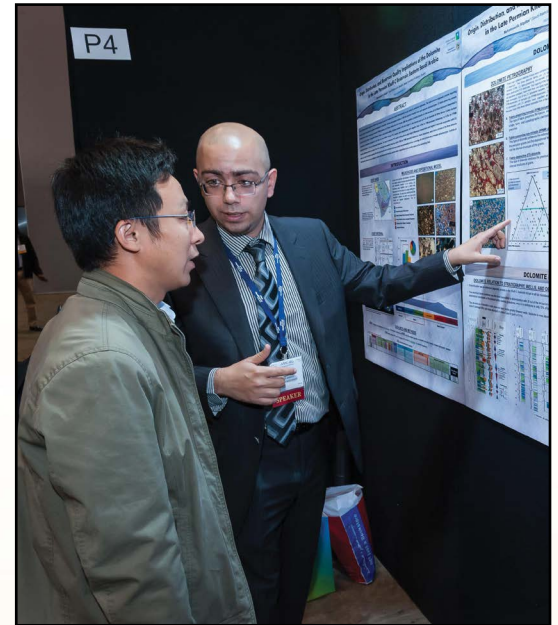


Media



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Invitation from the General Chair

Dear Colleagues:

On behalf of the American Association of Petroleum Geologists (AAPG), the Society of Exploration Geophysicists (SEG) and the hosts, the Mexican Association of Petroleum Geologists (AMGP) and the Mexican Association of Exploration Geophysicists (AMGE), it is my pleasure to invite you to the 2016 International Conference and Exhibition (ICE) to be held 6-9 September in Cancun, Mexico.

The conference theme, "Exploring Frontiers in a Competitive Environment," refers, on one side, to the new opportunities industry players have to explore in order to keep in business and on the other side, to the challenging setting derived from low oil prices. Mexico's Energy Reform and current bidding rounds have created great interest in Mexico and this makes ICE 2016 in Cancun a perfect setting to discuss business opportunities in exploration and production in the competitive environment imposed by current industry conditions.

The technical program includes a variety of geological and geophysical themes. Special Country sessions have been organized so that you can catch up with the latest happenings in Argentina, Brazil, Colombia, Mexico, Peru and Trinidad and Tobago. The Regulators Forum will give you insights on the regulatory challenges for exploration and development activities. The National and International Oil Companies forums will address challenges and opportunities within their own countries and in the international arena. The Discovery Thinking Forum and the conference luncheons round out a technical program that you must not miss.

Of course, ICE 2016 is an excellent opportunity to network, learn and collaborate with experts and peers from different parts of the world, and especially from the Latin America region.

I look forward to seeing you in wonderful Cancun, Mexico.

Sincerely yours,



José Antonio Escalera Alcocer
General Chair
ICE 2016 Cancun Organizing Committee



Organizing Committee

General Chair	José Antonio Escalera Alcocer , Pemex, Director of Exploration
General Vice Chair	Victor Vega , Shell, Exploration Business Development Manager
General Vice Chair	Gustavo Carstens , Independent, Consultant
Sponsorship & Guest Program Chair	Humberto Salazar , Pemex, Technical Advisor of the Exploration Direction
Technical Program Co-Chair	Ulises Hernández Romano , Pemex, Subdirector of Portfolio Management and Exploration New Ventures
Technical Program Co-Chair	Marco A. Arreguin , Pemex, Head of Exploration New Ventures
Short Courses Co-Chair AMGP	Faustino Monroy , Pemex, Geosciences Manager of R&TD
Short Courses Co-Chair AMGE	Ruben D. Martinez , Reservoir Geoscience, LLC, Petroleum Geoscience Consultant and Instructor
Field Trip Co-Chair	José Ruiz Morales , Independent, Consultant
Field Trip Co-Chair	Juan Ignacio Juarez Placencia , Independent, Consultant
Student Activities Co-Chair	Lizbeth Calizaya , Karoon, Geologists
Student Activities Co-Chair	Patricia Oceguelas , Independent, Consultant
Young Professionals Co-Chair	Juan C. Quinto , University of Stavanger, LACR Young Professionals Liaison
Young Professionals Co-Chair	Alfonso Reyes , Comisión Nacional de Hidrocarburos Peru Young Professionals Chapter President



J. A. Escalera



Victor Vega



Gustavo Carstens



Humberto Salazar



Ulises Hernández



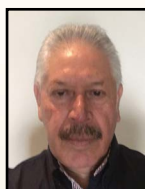
Marco Arreguin



Faustino Monroy



Ruben Martinez



José Morales



Juan Placencia



Lizbeth Calizaya



Patricia Oceguelas



Juan Quinto



Alfonso Reyes

Technical Program Theme Chairs

Theme

Theme 1: Geochemistry, Basins & Petroleum Systems

Theme 2: Structural Geology, Geomechanics and Tectonics

Theme 3: Regional and Reservoir Seismic

Theme 4: Deepwater Exploration & Production

Theme 5: Non-Seismic Geophysical Applications

Theme 6: Unconventional Resources

Theme 7: Integrated Reservoir Studies

Theme 8: Geomechanics

Theme 9: Stratigraphy and Sedimentology

Theme 10: Geophysics

Theme 11: Environmental Geosciences

Theme Chair

Laszlo Benkovics
Carlos Macellari

Mario Moreno
Jaime Buitrago

Peter Kahn

John Shinol
Steve Johnson

Jose Arce
Efrain Mendez

David Campagna
Patricio Malone

Michael Roberts

Gildardo Osorio
Claudio Bartolini
Sylvia Anjos

Michel Le-Vot
Hector Alfonso

Nikki Martin

Organization

Repsol
Tecnipetrol

BP
ExxonMobil

Statoil

Cobalt
Shell

Peru
Independent

Nexen
Pluspetrol

Chevron

Pluspetrol

Repsol
Petrobras

Total
ECP

IAPG

How to Register

1. Online at cancun2016.iceevent.org

Online registration gives you immediate availability for events (short courses, field trips, luncheons, etc.) 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 cancun2016.iceevent.org.

3. By Telephone

+1 781 821 6732

Monday–Friday 08:00–17:00 (EST)

2. By Mail

Download the registration form from the website at cancun2016.iceevent.org and mail with payment to:

AAPG | SEG Registration Center
c/o The Pulse Network
10 Oceana Way
Norwood, MA 02062, United States

4. By Fax

+1 781 821 6720

Download the registration form at cancun2016.iceevent.org.

	Registration Type	On or before 30 June Midnight EST	On or before 1 August Midnight EST	After 1 August Midnight EST
Four-Day Technical Program & Exhibition	Member *	US \$750	US \$850	US \$1,040
	Emeritus Member**	US \$375	US \$420	US \$550
	Join & Save	US \$750 + dues	US \$850 + dues	US \$1,040 + dues
	Nonmember	US \$900	US \$980	US \$1,250
	Student Member*	US \$50	US \$55	US \$65
	Student Nonmember	US \$65	US \$70	US \$85
	Includes: Access to the Regulators Forum, Plenary Sessions, Opening Ceremony, Icebreaker Reception, Technical & Poster Sessions, Refreshment Breaks, End-of-Day Receptions, Exhibition as well as access to abstracts and a conference amenity.			
One-Day Technical Program & Exhibition	One-Day Member *	US \$395	US \$425	US \$575
	One-Day Nonmember	US \$500	US \$600	US \$690
	Registration day: Wednesday, Thursday or Friday			
	Includes: Access to the Technical & Poster Sessions, Refreshment Breaks, End-of Day Reception and Exhibition for the day you register as well as access to abstracts and a conference amenity.			
	You will need to purchase a one-day Tuesday Exhibition registration in order to attend the Regulators Forum, Plenary Sessions or the Icebreaker Reception.			
<i>Badges may only be picked up on the day for which you are registered.</i>				
One-Day Exhibition	One-Day Member *	US \$ 90		
	One-Day Nonmember	US \$ 90		
	Registration day: Tuesday, Wednesday, Thursday or Friday			
	Includes: Access to the Exhibition, Refreshment Breaks, End-of-Day Reception for the day you register.			
	<i>Badges may only be picked up on the day for which you are registered.</i>			
Non-Conference Attendance	Short Course/Field Trip	US \$30 + cost of Short Course and/or Field Trip		
	Includes: Access only to chosen Short Course or Field Trip 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), AASP (American Association of Stratigraphic Palynologists), AMGE (Mexican Association of Exploration Geophysicists), AMGP (Mexican Association of Petroleum Geologists), AWG (Association for Women Geoscientists), CPC (Circum-Pacific Council for Energy & Minerals Resources, Inc.), 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.

Where to Stay - Grand Fiesta Americana Coral Beach Cancun

Please book your rooms through the ICE Housing Bureau, Experient. This helps ICE meet hotel room block commitments and avoid penalties that could ultimately increase conference expenses. **New hotel reservations must be reserved with the Housing Bureau by 9 August.**

Hotel	Address	Single/ Double	Walking Distance to Convention Center	Extra Person Charge	Restaurant On Property	In-Room Dining	Lounge	Parking* (Daily)	Pool/Fitness Center
Grand Fiesta Americana Coral Beach Cancun	Blvd. Kukulkan Km. 9.5, Cancun, 77500	US \$180	0.1 mi	\$45 Third occupant charge	10	N/A	Yes	Free valet parking	Yes

*Parking rates are subject to change and subject to hotel specifications.
Hotel rates do not include taxes.
Business center, guest room internet and free Wi-Fi in public areas will also be available.
Information listed above is subject to change at hotel's discretion.

Deposits

The hotel requires a credit card guarantee equal to the first night's stay as a deposit. A valid credit card and expiration date should be provided with your room request. Your credit card may be charged for your first night's stay (including taxes) approximately one week prior to arrival. Hotel may cancel room reservations without notification if one night's deposit is not received prior to your scheduled arrival.

Online

All reservations made online will require a valid credit card number and expiration date to guarantee your reservation. Make reservations online at cancun2016.iceevent.org.

Note About Calling to Confirm Reservations

Please refrain from calling the hotel to confirm your reservations until after 16 August. Please understand that processing your reservations through the Housing Bureau into the hotel system will not occur until that date. Be assured that if you have received a confirmation number from the Housing Bureau, the hotel will honor your booking. Thank you for your consideration.

Multiple Room Requests

You may reserve up to five rooms online with individual names. One credit card or individual credit cards may be used.

Suite Requests

Please contact the Housing Bureau at aapg@experient-inc.com to request a suite. We suggest you also reserve a standard hotel room in the event suites are unavailable. You may cancel this reservation by contacting the Housing Bureau once you have received confirmation of your suite reservation.

Rates and Occupancy

To receive the conference room rate, all hotel reservations must be made through the Housing Bureau. Hotel rate is listed above and online. Please note if you need accommodations for over three guests, contact customer service at aapgintl@experient-inc.com.

Important Information

Please note that in addition to hotel room charges and VAT tax, the Grand Fiesta Americana Hotel requires that a \$7.00 per room, per day fee be charged for Housekeeping and \$8.00 per person, roundtrip fee be charged for Bell Staffing.

Changes/Cancellations

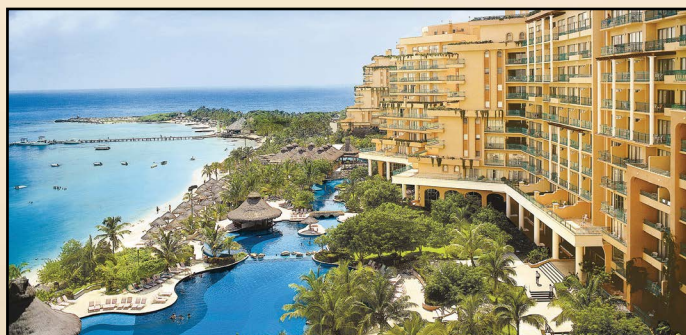
Changes and cancellations to existing reservations may be made online or by contacting the Housing Bureau prior to 16 August. Any changes or cancellations after 16 August must be sent directly to the hotel. Please note that the Grand Fiesta Americana Coral Beach Cancun will charge a one night's room and tax deposit (7) days prior to guest arrival. Should you cancel your reservation 72 hours prior to your arrival, the one night's room and tax deposit will be refunded accordingly. Please note that if you cancel your reservation outside of the 72 hour stipulation or your reservation is a no-show, the hotel will require another one night's room and tax deposit for a total of (2) nights and will be non-refundable.

Early Departure Fee

In the event you wish to checkout prior to your confirmed checkout date, the hotel may charge an early checkout fee. To avoid this fee, please be sure to advise the hotel of any changes in your length of stay before or during check-in.

Experient

Telephone: +1 847 5832
+1 800 967 8852
Email: aapg@experient-inc.com





How to Get Around

Airport Information

Cancun International Airport
Carretera Cancun-Chetumal
KM.22 Cancun, Q. Roo, Mexico 75220
Phone: +1 888 644 7803
www.cancun-airport.net

Airport Transportation

Airport Shuttle

The Cancun International Airport provides a FREE shuttle service between terminals. The airport shuttle bus between terminals is secure, comfortable and runs punctually every 10 minutes. There are three passenger terminals: the International flights board and disembark in a different building than the charter flights or the domestic arrivals and departures.

Buses - Autobuses de Oriente

Taking a bus is maybe the cheapest way to leave the airport, although it has its inconveniences if you're traveling to the Hotel Zone of Cancun, Playa del Carmen or Tulum, once you reach the bus terminal then you need take a taxi to reach your final destination. ADO stands are found in the all three airport terminals. ADO offers periodic rides (every 30 or 45 minutes) that go only to their bus stations located in downtown Cancun and downtown Playa del Carmen. Visit www.ado.com.mx to view a map.

Taxi

Taxi cabs are found outside the exit gates of terminal 2 from 07:00-23:30, terminal 3. Taxis are available 24 hours at the Cancun Airport. Taxi services require cash only purchased tickets at booths inside the terminals. All taxi rates are based per trip, not per person. *Please note that taxi prices can be up to five times higher than pre-arranged ground transportation services.

Private and VIP Transportation

Choosing Private Transportation or VIP Transportation from the Cancun Airport is very affordable and recommended. It is the best choice for those traveling on business or pleasure to Cancun. Both services are available 24 hours. Private Transportation rates range from 1 to 2 passengers, 3 to 7 passengers and 8 to 10 passengers. VIP Transportation consists of transfers in a Deluxe Suburban vehicle (for up to 5 passengers) with leather seats, DVD, complimentary water, welcome fresh towels and a bilingual driver.

Public Transportation

Cancun Buses

Buses are the best way to get around Cancun. You can get from the Hotel Zone to almost anywhere for only 8.5 pesos (Mexican coins only). If you want to get a bus to another town or city then you can go to the bus station on Avenida Tulum and get buses to just about anywhere you would like to go in Mexico. The ADO bus service is very comfortable and reliable if you are planning a long trip.

Cancun Taxis

These are available anywhere in Cancun. The only restriction is that they are not allowed to collect from the airport. Taxi fares are set by how many zones you travel through. It is suggested to negotiate the rate before you start your journey. Remember that taxis from outside your hotel or restaurant are more expensive than one you hail in the street.

Visa Information

Passport holders from countries on Mexico's visa exempt list do not need to apply for a formal visa to visit Mexico. For countries that do not need a visa to enter Mexico, a Visitor's Permit (FMM) will need to be filled out in place of a visa. The FMM permit can be acquired directly through the airline or port of entrance showing a valid passport and valid permanent resident card. The permit allows visitors to attend conferences and meetings in Mexico for up to 180 days. If the country does not appear on the visa exempt list in which visitors are traveling from, check with the nearest local Mexican Consulate for details of visa entry requirements or visit: www.sre.gob.mx/

Obtaining a Visa

If you are required to obtain a visa for entry into Mexico, 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 Mexican 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 convention 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 6 September 2016** your registration fee will be refunded, less a \$75 processing fee.

Registering with Your Embassy

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

Mexico Travel Information

The official tourism page for Mexico: www.visitmexico.com



Schedule at a Glance

Subject to change. Visit cancun2016.iceevent.org for updates.

Saturday, 3 September

12:00 Pre-Conference Field Trip: Recent Sedimentation in the Mexican Caribbean Shore (Saturday, 3 September–Monday, 5 September)

Sunday, 4 September

13:00–17:00 Registration

Monday, 5 September

07:30–17:00 Registration
08:00–17:00 AMGP Short Course #1 (Day One): Practical Application of Capillary Pressure Principles to Evaluate Reservoirs, Seals and Pay
08:00–17:00 AMGP Short Course #2 (Day One): Applied Concepts in Naturally Fractured Reservoirs
08:00–17:00 AMGP Short Course #3 (Day One): The Petroleum Industry in the Next Decade in the Americas: An Overview to the Science, Technology and AAPG
08:00–17:00 SEG Short Course #4 (Day One): Introduction to Applied Depth Imaging
08:00–17:00 SEG Short Course #5 (Day One): Seismic Interpretation in Deep Water Basins
08:00–17:00 SEG Short Course #6 (Day One): 3C Seismic and VSP: Converted Waves and Vector Wavefield Applications
08:00–17:00 SEPM Short Course #7 (Day One): Advanced Sequence Stratigraphic Applications for Exploration

Tuesday, 6 September

07:30–19:00 Registration
08:00–17:00 AMGP Short Course #1 (Day Two): Practical Application of Capillary Pressure Principles to Evaluate Reservoirs, Seals and Pay
08:00–17:00 AMGP Short Course #2 (Day Two): Applied Concepts in Naturally Fractured Reservoirs
08:00–17:00 AMGP Short Course #3 (Day Two): The Petroleum Industry in the Next Decade in the Americas: An Overview to the Science, Technology and AAPG
08:00–17:00 SEG Short Course #4 (Day Two): Introduction to Applied Depth Imaging
08:00–17:00 SEG Short Course #5 (Day Two): Seismic Interpretation in Deep Water Basins
08:00–17:00 SEG Short Course #6 (Day Two): 3C Seismic and VSP: Converted Waves and Vector Wavefield Applications
08:00–17:00 SEPM Short Course #7 (Day Two): Advanced Sequence Stratigraphic Applications for Exploration
13:30–16:00 Regulators Forum: A Perspective in Regulatory Challenges for Unconventional and Deepwater Exploration and Production Activities
16:00–17:00 Young Professionals Meet & Greet
17:00–18:00 Opening Ceremony
18:00–20:00 Icebreaker Reception & Exhibition

Wednesday, 7 September

07:30–17:00 Registration
08:30–10:00 Plenary Session: National Oil Company (NOC) Forum
09:00–18:30 Exhibition
09:40–10:40 Refreshment Break
10:30–12:30 Plenary Session: Global Trends – Independent Oil Company (IOC) Perspective
12:35–13:45 SEG Topical Luncheon: Beyond the Downturn: Protecting the Industry's License to Operate
13:55–17:20 Technical Sessions
13:55–14:30 Panel: Special Country Session–Argentina
13:55–15:00 History of Petroleum Geology I
14:00–17:00 Poster Sessions
15:00–16:00 Refreshment Break
15:55–17:20 History of Petroleum Geology II
17:00–18:30 AAPG/SEG Challenge Bowl
17:00–18:30 End-of-Day Reception
18:30–19:30 Student Reception

Thursday, 8 September

07:30–17:00 Registration
08:25–12:00 Technical Sessions
08:25–09:10 Discovery Thinking Forum I
08:25–10:10 Panel: Special Country Session–Brazil
09:00–18:30 Exhibition
09:00–12:00 Poster Sessions
10:00–11:00 Refreshment Break
10:55–11:40 Discovery Thinking Forum II
10:55–12:20 Panel: Special Country Session–Colombia
12:35–13:45 DPA Topical Luncheon: Thriving in Latin America: Challenges and Opportunities
13:55–15:20 Panel: Special Country Session–Mexico
13:55–17:20 Technical Sessions
14:00–17:00 Poster Sessions
15:00–16:00 Refreshment Break
15:55–17:40 Panel: Special Country Session–Peru
17:00–18:30 End-of-Day Reception
17:30–19:00 Art of Interviewing and Career Planning Workshop

Friday, 9 September

07:30–13:00 Registration
08:25–13:00 Technical Sessions
08:25–10:10 Panel: Special Country Session–Trinidad & Tobago
09:00–14:00 Exhibition
09:00–12:00 Poster Sessions
10:00–11:00 Refreshment Break
12:30–13:30 Exhibitor-Sponsored Luncheon

Saturday, 10 September

08:00–17:00 AAPG Short Course #8: Salt Tectonics of the Gulf of Mexico (Day One)

Sunday, 11 September

08:00–17:00 AAPG Short Course #8: Salt Tectonics of the Gulf of Mexico (Day Two)



Highlights

Regulators Forum: A Perspective in Regulatory Challenges for Unconventional and Deepwater Exploration and Production Activities

Date: Tuesday, 6 September

Time: 13:30–16:00

Location: Cancun Convention Center

Co-Chairs: V. Vega & H. de Santa Ana

Fee: Included with registration

Latin America holds large potential of undiscovered unconventional and deepwater hydrocarbon resources which represent the future towards a solid economic development and energy independence. Attendees of this forum will learn from regional regulator leaders the latest information and challenges on the regulatory framework that will enable the exploration and development of these resources in a sustainable but efficient way. This forum will provide an opportunity for regulators to discuss openly and share challenges associated with the development of unconventional resources and offshore fields. Lessons learned in the U.S. and Canada in revolutionary unconventional resources development will be key to enable the development in several Latin America countries including Mexico, Colombia and Argentina.

On the other hand, lessons learned from Brazil and Trinidad in offshore E&P activities will also provide an interesting and valuable view for other countries in the region that are beginning offshore activities.

The following regulators will discuss their views in this panel:

- Juan Carlos Zepeda, Commissioner, CNH, Mexico
- Mauricio de la Mora, President, Colombian Hydrocarbon Agency (ANH), Colombia
- Magda Chambriard, General Director, ANP, Brazil
- Juan Jose Aranguren, Minister of Mines and Energy, Argentina (invited)
- Bureau of Ocean Energy Management, USA (invited)

Opening Ceremony

Date: Tuesday, 6 September

Time: 17:00–18:00

Location: Cancun Convention Center

Fee: Included with registration

Prepare yourself for an unforgettable introduction to the world of Latin American and particularly Mexican culture, color and excitement.

The Opening Ceremony, celebrating historical and beautiful Cancun, Mexico, will be an inspiring, informative and entertaining event. It will offer insights into the current state of exploration and petroleum geology as well as a creative celebration of traditional regional music and dance.

Our opening ceremony will be coordinated by Victor Vega, President of Latin America & Caribbean region and will include remarks from: Jose A Gonzalez - President of Pemex (invited), Juan Carlos Zepeda – CNH, Jose A Escalera - General Chair, Paul Britt - AAPG President and John Bradford – SEG President.

The program will end with a traditional performance – a dazzling, unforgettable blend of artistry and powerful rhythms that recreate the region's time-honored way of celebrating traditional fiestas. It's the perfect way to begin your Cancun ICE experience. The ceremony begins at 17:00 – arrive early for the sights and sounds that are sure to be the talk of the day.

Plenary Session: National Oil Company (NOC) Forum

Date: Wednesday, 7 September

Time: 08:30–10:00

Location: Cancun Convention Center

Fee: Included with registration

Co-Chairs: P. Britt and J. Bradford

This forum will feature the top level officers of Latin America's largest and most influential National Oil Companies discussing the challenges and opportunities within their own countries and in the international arena. The last decade has seen a significant transformation of some of the Latin NOCs from national-only companies to international corporations that are aggressively taking advantage of opportunities in the region and in other areas of the world. Top leaders from Pemex, Petrobras, Ecopetrol and YPF (invited) will bring to the forum their recent experiences and plans for the future. Attendees will have the unique opportunity to hear from these leaders their strategies, successes and challenges as they guide their corporations into the 21st century.

The following NOC executives will discuss their views in this panel:

- Jose A Gonzalez, Pemex, Mexico (invited)
- Juan Carlos Echeverri, Ecopetrol, Colombia
- Mario Carminatti, Petrobras, Brazil
- YPF (invited)

Plenary Session: Global Trends – Independent Oil Company (IOC) Perspective

Date: Wednesday, 7 September

Time: 10:30–12:30

Location: Cancun Convention Center

Fee: Included with registration

Co-Chairs: J. A. Escalera and V. Vega

This plenary will discuss what drives global energy trends from an IOC's perspective – it also presents an opportunity to gain perspective, learn from colleagues and build the relationships that will enable us to meet the energy challenges of the future.

The market and economic developments of the past 24 months have created unexpected volatility and new industry challenges. It is necessary to understand the linkage between population growth, economic progress and the amount and type of energy used around the world. Growing populations continue to advance economically over time and seek better living standards, which leads to increased energy use. Regardless of where resources are located around the world, technology will remain a key to unlocking them in the most efficient, effective and environmentally safe manner. It is the people that will find solutions to meet this demand.

Highlights

To bring these resources to the market will continue to require significant ongoing investment that effectively and efficiently manages the risks inherent in our industry. Our common industry goal is to deliver reliable, affordable energy to the consumer. That is a simple proposition, but of course, it is far more complex to make it a reality, particularly in a volatile environment. It is what has brought success to our industry in the past – a commitment to continued technological advancement and strong, sustainable partnerships.

Speakers will address different aspects of the drive for global energy trends including markets, energy demand, technology, people, environment and partnerships.

Speakers:

- Erik J Oswalt, Vice President Exploration, Americas, ExxonMobil Exploration Company
- Jonathan Peachey, Vice President Exploration Portfolio & New Business, Shell
- Michel Hourcard, Senior Vice President Americas, Total
- Alireza Moshiri, President Latin America & Africa, Chevron
- William Tedesco, Vice President Exploration Gulf of Mexico, Anadarko

Forum: Discovery Thinking (AAPG/DPA)

Date: Tuesday, 6 September

Time: 08:25–11:40

Co-Chairs: C. Sternbach, P. Weimer, C. Wilhelm

The “Discovery Thinking” Forum will be the sixteenth presentation of the AAPG 100th Anniversary Committee’s program recognizing “100 Who Made a Difference.” This Forum, co-sponsored by AAPG’s Division of Professional Affairs (DPA), will feature four invited speakers who will describe major discoveries in Latin American exploration settings. The forum will celebrate: Giant Discoveries in Latin America and the GOM.

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 young 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. Speakers are encouraged to share personal stories about discoveries they know well, to bring forward appropriate technical data, and to address questions from the audience and fellow explorers.

Cancun is a great venue to celebrate significant game changing discoveries in Latin America and the GOM.

Panels: Special Country Sessions

Regional integration is one of the key objectives of ICE 2016. The Special Country Sessions are intended to provide participants with a synopsis on what is currently happening in the oil industry in Argentina, Brazil, Colombia, Mexico, Perú and Trinidad and Tobago. Presenters will outline the key trends, challenges and emerging plays in each of these countries, which combined represent a significant crude production of over 5.7 million barrels of oil per day. Discussions will not only revolve around the geological potential of the key countries but also the overall political and economic outlooks that will impact business decisions and exploration strategies. This panel will have the participation of key industry players from each invited country.

Argentina

Date: Wednesday, 7 September

Time: 13:55–15:20

Location: Cancun International Convention Center

Fee: Included with registration

Co-Chairs: G. Carstens and E. Vallejo

Brazil

Date: Thursday, 8 September

Time: 08:25–10:10

Location: Cancun International Convention Center

Fee: Included with registration

Co-Chairs: S.M. Couto Anjos and H. Penteadó

Colombia

Date: Thursday, 8 September

Time: 10:55–12:20

Location: Cancun International Convention Center

Fee: Included with registration

Chair: V. Vega

Mexico

Date: Thursday, 8 September

Time: 13:55–15:20

Location: Cancun International Convention Center

Fee: Included with registration

Co-Chairs: U. Hernandez and M. Arreguin

Perú

Date: Thursday, 8 September

Time: 15:55–17:40

Location: Cancun International Convention Center

Fee: Included with registration

Co-Chairs: P. Alarcon and F. Seminario

Trinidad and Tobago

Date: Friday, 9 September

Time: 08:25–10:10

Location: Cancun International Convention Center

Fee: Included with registration

Co-Chairs: X. Moonan, C. Archie and K. Persad

Highlights

Luncheons

SEG Topical Luncheon

Topic: Beyond the Downturn: Protecting the Industry's License to Operate
Date: Wednesday, 7 September 2016
Time: 12:35–13:45
Location: Grand Fiesta Americana Coral Beach Cancun
Fee: US \$65
Speaker: Nikki Martin, President, IAPG



The energy industry is one of the most important industries in the world, powering our homes, hospitals, transportation, and technological innovation, and oil and gas will remain an integral part of the energy mix for some time to come. The geophysical industry is essential to discovering and delivering the world's energy resources both now and in the

future. Growing demand is pushing companies into unexplored territory and remote regions on land and sea. Energy demand cannot be met without us, and the need for the G&G industry and its innovations are even more important than they were 50 years ago.

Leading the way and charting the course for oil and gas exploration, the G&G industry drives innovations with the increasing application of supercomputers that make exploration faster, easier and more economically efficient.

Unnecessary restrictive environmental regulations and increasingly uncertain license to operate around the globe means that more than ever, proactive methods are needed to maintain the oil and gas industry's ability to gain access to appropriate areas to continue to meet growing energy demands.

Nikki Martin, President of the International Association of Geophysical Contractors (IAGE) will discuss how the International Association of Geophysical Contractors (IAGC) advocates for our industry and how it promotes approaches based on good science, transparent dialogue and engagement with stakeholders at all levels to protect the geophysical industry as well as the oil and gas industry as a whole.

DPA Topical Luncheon

Topic: Thriving in Latin America: Challenges and Opportunities (DPA Topical Luncheon)
Date: Thursday, 8 September 2016
Time: 12:35–13:45
Location: Grand Fiesta Americana Coral Beach Cancun
Fee: US \$65
Speaker: Horacio Marin, Tecpetrol E&P, General Director

Latin America holds some of the largest reserves of hydrocarbons in the world trailing only to the Middle East. With the exception of the new offshore discoveries in the Atlantic margin of the continent and the emerging promise of the Vaca Muerta shale in Argentina, most of these discoveries are not new. Even though new plays help to replenish the reserve base, a large portion of the newly added hydrocarbons reside in existing "mature" fields. Here new technologies, secondary and tertiary recovery projects are a key factor to increase recovery factors and thus reserves throughout the continent. These projects are generally capital intensive. They involve high technology, heavy investments and thus they have major effects in the local populations, bringing about employment and overall increased levels of wealth, but also they require a high degree of interaction with different cultures. In our experience we have managed to live with diversity in countries across Latin America from Argentina to Mexico. Understanding the local cultures, the relation with host governments, and respect for the environment combined with our technical know-how have been the main factors that have led us to thrive in these countries and successfully expand our presence throughout the region.



Networking Opportunities

Icebreaker Reception

Date: Tuesday, 6 September
Time: 18:00–20:00
Location: Cancun International Convention Center, Level 3, Exhibition Hall
Fee: Included with registration

Don't miss your chance to capture an initial look at exciting new technologies and services offered by the industry's global exhibitors, while connecting with colleagues and friends from around the world. Enjoy hors d'oeuvres and beverages while celebrating the opening of the 2016 International Conference and Exhibition in Cancun.

Refreshment Breaks

Date: Wednesday, 7 September–Friday, 9 September
Time: 09:40–10:40 (Wednesday)
 10:00–11:00 (Thursday and Friday)
 15:00–16:00 (Wednesday and Thursday)
Location: Cancun International Convention Center, Level 3, Exhibition Hall
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 break is served in the Exhibition Hall each morning, as well as Wednesday and Thursday afternoon.

End-of-Day Receptions

Date: Wednesday, 7 September–Thursday, 8 September
Time: 17:00–18:30
Location: Cancun International Convention Center, Level 3, Exhibition Hall
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 Cancun.

Exhibitor-Sponsored Luncheon

Date: Friday, 9 September
Time: 12:30–13:30
Location: Cancun International Convention Center, Level 3, Exhibition Hall
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 conference day 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 2017 and beyond.

Women in Geoscience Forum

In association with AAPG PROWESS Committee

Date: Wednesday, 7 September
Time: 18:00–21:00
Fee: US \$50
Includes: Cocktails and hors d'oeuvres
Limit: 150 people

Get connected with professionals in support of women in geosciences, and hear from speakers on the state of women in industry, technical and leadership roles. Network and gather career tips from geoscientists working in major integrated oil companies, service companies, research facilities, small independents and self-employed specialists. Whether you are just starting your geoscience career or are a recent retiree, you won't want to miss this opportunity to connect and share an evening with fellow geoscientists.

Student Activities

Art of Interviewing and Career Planning Workshop

Date: Thursday, 8 September
Time: 17:30–19:00
Location: Grand Fiesta Americana Coral Beach Cancun
Fee: US \$10
Limit: 100

The Career Planning Workshop is a professional development event aimed at giving students and recent graduates valuable insight into the petroleum industry and helping them appreciate the realities of life in the resources sector. The workshop will give you practical advice for pursuing your dream job during this difficult economic climate, including specific job search strategies and interviewing advice.

The session will begin with brief introductory seminars by leading technical professionals and HR managers, followed by the opportunity for you to interact with these mentors in small groups. Throughout the workshop the groups will rotate to maximize your interactions with all the professionals.

Some topics of discussion may include: the transition from education to industry, vacation work and industry employment – what to expect and how to get it, current staffing needs in the resources sector, how to find a mentor and the value of networking. HR professionals will give you advice on interviewing techniques and how best to market yourself potential employers.

Student Reception

Date: Wednesday, 7 September
Time: 18:30–19:30
Location: Grand Fiesta Americana Coral Beach Cancun
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 the long-time corporate sponsor, ExxonMobil. In addition to these industry connections, you can also meet up with fellow students—all in a fun and relaxing environment.

AAPG | SEG Challenge Bowl

Date: Wednesday, 7 September
Time: 17:00–18:30
Location: Grand Fiesta Americana Coral Beach Cancun
Fee: Included with registration

The AAPG | SEG Challenge Bowl is a thrilling student competition that will test the breadth of your knowledge in geology, geophysics, and the history of both AAPG and SEG. If your team comes out on top you could each be heading home with prizes, not to mention fame and glory! Teams of two students (graduate or undergraduate) from any university will go head-to-head with each other in this fast-paced, quiz show format competition. Questions may be single or multiple-choice; whoever presses the buzzer first with the right answer gets a point. The team with the most points at the end will be crowned our Challenge Bowl champions. After the competition we'll roll straight into the Student Reception – so stick around for some food, drinks and networking fun with your peers.

Does this sound like the challenge for you? If you have a team that would like to participate please complete the registration form online at Cancun2016.iceevent.org. Space is limited so don't delay! If the competitive life is not for you, join us as a spectator and support your favorite team.

If you have any questions or would like further information about this event, please contact Justine Carstairs at justinecarstairs@gmail.com.



Young Professionals

Young Professionals Meet & Greet

Date: Tuesday, 6 September
Time: 16:00–17:00
Location: Cancun International Convention Center
Fee: Included with registration

This event, sponsored by the AAPG | SEG Young Professionals Committee, serves to bridge the gap between the recent graduates and experienced professionals. At the Meet & Greet recent graduates are paired with more experienced professionals to gain an insider's perspective into the petroleum industry and share direction on the ICE 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 sign up during the registration process.

Conference Volunteers Needed

Students and Young Professionals – sign up to be a volunteer at ICE 2016 and earn US \$25 for every four hours worked. Volunteers are needed in the following areas: Judges Room, Opening Ceremony, Technical Sessions, Poster Sessions and Registration.

Simply select the day(s) and time(s) you are available, as well as the location(s) you prefer when you register online. If you prefer to use the printed registration form select “I wish to be a student volunteer” and you will be assigned to a position. To receive benefits volunteers must be either students or employees in the industry who are recent (2015–2016) graduates.

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

Short Courses and Field Trip

Short Courses

Visit cancun2016.iceevent.org for detailed information.

Pre-Conference	Title	Instructor(s)	Dates/Times	Fees
1	Practical Application of Capillary Pressure Principles to Evaluate Reservoirs, Seals and Pay (AMGP)	Professor John G. Kaldi (Australian School of Petroleum – University of Adelaide, Australia)	Monday, 5 September–Tuesday, 6 September 08:00–17:00	Professionals/Students US \$495 (Limit: 50)
2	Applied Concepts in Naturally Fractured Reservoirs (AMGP)	John Lorenz (FractureStudies LLC, Edgewood, New Mexico, USA)	Monday, 5 September–Tuesday, 6 September 08:00–16:00	Professionals/Students US \$800 (Limit: 25)
3	The Petroleum Industry in the Next Decade in the Americas: An Overview to the Science, Technology and AAPG (AMGP)	Paul Weimer (University of Colorado, Boulder, Colorado, USA)	Monday, 5 September 08:00–17:00 Tuesday, 6 September 08:00–12:00	Professionals US \$200 (Limit: 25) Students US \$40 (Limit: 75)
4	Introduction to Applied Depth Imaging (SEG)	Ruben D. Martinez (Reservoir Geoscience, LLC, Sugar Land, Texas, USA)	Monday, 5 September–Tuesday, 6 September 08:00–17:00	AAPG SEG Members US \$1,145 Nonmembers US \$1,295 Students US \$300 (Limit: 50)
5	Seismic Interpretation in Deep Water Basins (SEG)	Roberto Fainstein (Professor of Geophysics Department of Earth Sciences, University of Coimbra, Pt, Teresopolis, Rio de Janeiro, Brazil) and Jeff Johnson (Geophysical Competency & Training Consultant, Tulsa, Oklahoma, USA)	Monday, 5 September–Tuesday, 6 September 08:00–17:00	AAPG SEG Members US \$1,145 Nonmembers US \$1,295 Students US \$300 (Limit: 50)
6	3-C Seismic and VSP: Converted Waves and Vector Wavefield Applications (SEG)	James Gaiser (Gaiser Geophysical Consulting, Del Mar, California, USA)	Monday, 5 September 09:00–17:00	Professionals/Students US \$350 (Limit: 50)
7	Advanced Sequence Stratigraphic Applications for Exploration (SEPM)	Vitor Abreu (Consultant, Houston, Texas, USA) and Howard Harper, (SEPM, Tulsa, Oklahoma, USA)	Monday, 5 September 08:00–17:00–Tuesday, 6 September 08:00–16:00	Professionals US \$765 (Limit: 22) Students US \$350 (Limit: 3)
Post-Conference				
8	Salt Tectonics of the Gulf of Mexico (AAPG)	Mark Rowan (Rowan Consulting, Boulder, Colorado, USA)	Saturday, 10 September–Sunday, 11 September 08:00–17:00	Professionals/Students AAPG SEG Members US \$1,095 Professionals/Students Nonmembers US \$1,295 (Limit: 25)

Field Trip

Pre-Conference	Title	Leader(s)	Date / Time	Fees
1	Recent Sedimentation in the Mexican Caribbean Shore (AMGP)	José Ruiz Morales and Juan Ignacio Juárez Placencia (Consultants to PEP)	Saturday, 3 September 18:00–Monday, 5 September 14:00	Professionals/Students US \$1,100 (Limit: 20)

Please visit cancun2016.iceevent.org for all details, policies and important notes regarding Short Courses and Field Trip.

Technical Program at a Glance

*Cancellations and changes in the program will occur. For the most up-to-date Technical Program visit cancun2016.iceevent.org

Special Sessions

Regulator's Forum: A Perspective in Regulatory Challenges for Unconventional and Deepwater Exploration and Production Activities
 Plenary Session: National Oil Company (NOC)
 Plenary Session: Global Trends - Independent Oil Company (IOC) Perspective
 Argentina Country Session
 History of Petroleum Geology I
 History of Petroleum Geology II
 Brazil Country Session
 Colombia Country Session
 Discovery Thinking I
 Discovery Thinking II
 Mexico Country Session
 Peru Country Session
 History of Petroleum Geology
 Trinidad and Tobago Country Session

Tuesday	Technical	Afternoon
Wednesday	Technical	Morning
Wednesday	Technical	Morning
Wednesday	Technical	Afternoon
Wednesday	Technical	Afternoon
Wednesday	Technical	Afternoon
Thursday	Technical	Morning
Thursday	Technical	Morning
Thursday	Technical	Morning
Thursday	Technical	Morning
Thursday	Technical	Afternoon
Thursday	Technical	Afternoon
Thursday	Poster	Afternoon
Friday	Technical	Morning

Theme 1: Geochemistry, Basins & Petroleum Systems

Theme 1: Basin Modeling
 Theme 1: Emerging Petroleum Basins
 Theme 1: Emerging Petroleum Basins I
 Theme 1: Basin Modeling
 Theme 1: Emerging Petroleum Basins II
 Theme 1: Geochemistry and Source Rock Characterization
 Theme 1: Geochemistry and Source Rock Characterization

Wednesday	Poster	Afternoon
Wednesday	Poster	Afternoon
Thursday	Technical	Morning
Thursday	Technical	Afternoon
Thursday	Technical	Afternoon
Thursday	Poster	Afternoon
Friday	Technical	Morning

Theme 2: Structural Geology, Geomechanics and Tectonics

Theme 2: Rift and Passive Margins I
 Theme 2: Rift and Passive Margins II
 Theme 2: Fold and Thrust Belts/Foreland Basins II
 Theme 2: Structural Geology and Tectonics
 Theme 11: Oil and Gas Environmental Best Practices
 Theme 2: Fold and Thrust Belts/Foreland Basins I
 Theme 2: Salt Tectonics I
 Theme 2: Salt Tectonics II

Wednesday	Technical	Afternoon
Wednesday	Technical	Afternoon
Thursday	Technical	Afternoon
Thursday	Poster	Morning
Thursday	Poster	Afternoon
Thursday	Technical	Afternoon
Friday	Technical	Morning
Friday	Technical	Morning

Theme 3: Regional and Reservoir Seismic

Theme 3: Regional and Reservoir Seismic
 Theme 3: Regional and Reservoir Seismic I
 Theme 3: Regional and Reservoir Seismic II

Thursday	Poster	Afternoon
Friday	Technical	Morning
Friday	Technical	Morning

Theme 4: Deepwater Exploration and Production

Theme 4: Mexico Deepwater Exploration I
 Theme 4: Mexico Deepwater Exploration II
 Theme 4: Deepwater Sediments
 Theme 4: Deepwater Exploration & Production
 Theme 4: Global Deepwater Exploration I
 Theme 4: Global Deepwater Exploration II
 Theme 4: US Gulf of Mexico Deepwater Exploration

Wednesday	Technical	Afternoon
Wednesday	Technical	Afternoon
Thursday	Technical	Morning
Thursday	Poster	Morning
Thursday	Technical	Afternoon
Thursday	Technical	Afternoon
Friday	Technical	Morning

Theme 5: Non-Seismic Geophysical Applications

Theme 5: Non-Seismic Methods I
 Theme 5: Non-Seismic Methods II
 Theme 5: Non-Seismic Methods

Thursday	Technical	Morning
Thursday	Technical	Morning
Friday	Poster	Morning

Technical Program at a Glance

*Cancellations and changes in the program will occur. For the most up-to-date Technical Program visit cancun2016.iceevent.org

Theme 6: Unconventional Resources

Theme 6: Integrated Studies for Unconventional Reservoirs I	Wednesday	Technical	Afternoon
Theme 6: Integrated Studies for Unconventional Reservoirs II	Wednesday	Technical	Afternoon
Theme 6: Natural Fracture Characterization for Unconventional Reservoirs	Wednesday	Poster	Afternoon
Theme 6: Tight Oil	Wednesday	Poster	Afternoon
Theme 6: Unconventional Resources: Integrated Studies	Wednesday	Poster	Afternoon
Theme 6: Tight Oil I	Thursday	Technical	Morning
Theme 6: Tight Oil II	Thursday	Technical	Morning
Theme 6: Shale Gas I	Thursday	Technical	Afternoon
Theme 6: Shale Gas II	Thursday	Technical	Afternoon
Theme 6: Natural Fracture Characterization for Unconventional Reservoirs	Friday	Technical	Morning
Theme 6: New Plays for Unconventionals	Friday	Technical	Morning

Theme 7: Integrated Reservoir Studies

Theme 7: Integrated Reservoir Case Histories I	Wednesday	Technical	Afternoon
Theme 7: Integrated Reservoir Case Histories II	Wednesday	Technical	Afternoon
Theme 7: Integrated: New Ideas in Old Plays I	Thursday	Technical	Morning
Theme 7: Integrated: New Ideas in Old Plays II	Thursday	Technical	Morning
Theme 7: Integrated Reservoir Studies	Thursday	Poster	Afternoon
Theme 7: Multidiscipline Studies I	Friday	Technical	Morning
Theme 7: Multidiscipline Studies II	Friday	Technical	Morning

Theme 8: Geomechanics

Theme 8: Geomechanics	Thursday	Poster	Morning
Theme 8: Geomechanics I	Thursday	Technical	Afternoon
Theme 8: Geomechanics II	Thursday	Technical	Afternoon
Theme 8: Pore Pressure Prediction	Friday	Technical	Morning

Theme 9: Stratigraphy and Sedimentology

Theme 9: Reservoir Prediction and Characterization I	Wednesday	Technical	Afternoon
Theme 9: Reservoir Prediction and Characterization II	Wednesday	Technical	Afternoon
Theme 9: Clastic and Carbonate Diagenesis I	Thursday	Technical	Morning
Theme 9: Clastic and Carbonate Diagenesis II	Thursday	Technical	Morning
Theme 9: Reservoir Prediction and Characterization III	Thursday	Technical	Afternoon
Theme 9: Reservoir Prediction and Characterization IV	Thursday	Technical	Afternoon
Theme 9: Clastic and Carbonate Reservoir Prediction and Characterization I	Thursday	Poster	Afternoon
Theme 9: Reservoir Architecture I	Friday	Technical	Morning
Theme 9: Reservoir Architecture II	Friday	Technical	Morning
Theme 9: Clastic and Carbonate Diagenesis	Friday	Poster	Morning
Theme 9: Clastic and Carbonate Reservoir Prediction and Characterization II	Friday	Poster	Morning
Theme 9: Reservoir Architecture	Friday	Poster	Morning

Theme 10: Geophysics

Theme 10: Reservoir Characterization Applications I	Wednesday	Technical	Afternoon
Theme 10: Reservoir Characterization Applications II	Wednesday	Technical	Afternoon
Theme 10: 4-D Seismic	Thursday	Technical	Morning
Theme 10: Microseismicity (Surface and Wellbore)	Thursday	Technical	Morning
Theme 10: Subsalt Imaging	Thursday	Technical	Afternoon
Theme 10: Reservoir Characterization Applications III	Thursday	Technical	Afternoon
Theme 10: Geophysical Reservoir Characterization	Thursday	Poster	Morning
Theme 10: Acquisition and Processing Innovations	Friday	Technical	Morning
Theme 10: Reservoir Characterization Applications IV	Friday	Technical	Morning

Theme 11: Environmental Geosciences

Theme 11: Oil and Gas Environmental Best Practices	Wednesday	Technical	Afternoon
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Technical Program Tuesday & Wednesday

* denotes presenter is other than first author

Tuesday Afternoon

Regulators Forum: A Perspective in Regulatory Challenges for Unconventional and Deepwater Exploration and Production Activities

Co-Chairs: V. Vega and H. de Santa Ana

13:30–16:00

See Summary Page 10

- **Juan Carlos Zepeda**, Commissioner, CNH, Mexico
- President, Colombian Hydrocarbon Agency (ANH), Colombia (invited)
- **Magda Chambriard**, General Director, ANP, Brazil
- **Juan Jose Aranguren**, Minister of Mines and Energy, Argentina (invited)
- Bureau of Ocean Energy Management, USA (invited)

Wednesday Morning

Plenary Session: National Oil Company (NOC) Forum

Co-Chairs: P. Britt and J. Bradford

08:30–10:00

See summary Page 10

- **Jose A Gonzalez**, Pemex, Mexico (invited)
- **Juan Carlos Echeverri**, Ecopetrol, Colombia
- **Mario Carminatti**, Petrobras, Brazil
- YPF (invited)

Plenary Session: Global Trends – Independent Oil Company (IOC) Perspective

Co-Chairs: J. A Escalera and V. Vega

10:30–12:15

- **Erik J Oswalt**, Vice President Exploration, Americas, ExxonMobil Exploration Company
- **Jonathan Peachey**, Vice President Exploration Portfolio & New Business, Shell
- **Michel Hourcard**, Senior Vice President Americas, Total
- **Alireza Moshiri**, President Latin America & Africa, Chevron
- **William Tedesco**, Vice President Exploration Gulf of Mexico, Anadarko

Wednesday Afternoon Technical

Theme 2: Rift and Passive Margins I

Co-Chairs: J. Buitrago and M. Moreno-Vega

- **Introductory Remarks**
- **Structure and Kinematic Implications of the Western Gulf of Mexico Transform Margin and the Oxfordian Pre-Drift Reconstruction of Yucatán**: J. Pindell, A. Goswami, E. Haire, C. Campbell, B. W. Horn
- **Triangular Juxtaposition Diagrams: Incorporating Across-Fault Growth to Reduce Uncertainty**: H. Anderson, C. Reilly, S. Mücklis, F. R. Marks
- **Break-Up Processes at Magma-Rich Rifted Margins: Imaged Through the Lens of a Mega-Regional, Long-Offset, Trans-Crustal Reflection Seismic Dataset**: K. McDermott, E. C. Gillbard, B. W. Horn

- **The Equatorial Atlantic: South American Evidence for Early Opening Transpression**: K. Reuber, J. Pindell, B. W. Horn

Theme 2: Rift and Passive Margins II

Co-Chairs: J. Buitrago and M. Moreno-Vega

- **Introductory Remarks**
- **Jurassic-Cretaceous Tectonic Evolution of the Southeastern Gulf of Mexico, Constrains on the Style and Timing of the Gulf of Mexico Rift-Drift Development**: G. Marton
- **Continent-Ocean Transitions, How Do They Form? An Example From Sergipe Alagoas, Brazil**: S. Fraser, I. Clark
- **The Role of Heritage in the Architecture of the Andaman Rift: Oblique and Diachronous Reactivation of Basement Faults**: T. Maurin, L. Sirgue, E. Zuckmeyer
- **Cenozoic Geologic Evolution of the Belize Central Continental Margin: Long-Lived Offshore Isolated Carbonate Platforms Versus Juvenile Barrier Reef**: A. W. Droxler, E. Ferro
- **Integrating Seismic Data With Regional Geology and Aeromagnetic Data to Deduce Basin Evolution: Gulf of Mexico Case Example**: J. Pindell, E. Haire, A. Goswami, B. W. Horn, E. Miranda Canseco, R. Molina Garza

Theme 4: Mexico Deepwater Exploration I

Co-Chairs: S. Johnson and J. Veldkamp

- **Introductory Remarks**
- **Impact of CSEM Methods in Risk and Volumetric Evaluation of Prospects and Discoveries in Deep Water Gulf of Mexico**: M. Arreguin, H. B. Rivera, J. Hernández Olazarán, F. C. Juárez
- **Salt Tectonics and Exploration Potential of the Deepwater Cuenca del Sur (Campeche) Salt Basin, Mexico**: I. Davison
- **Structural Styles and Regional Play Types in the Mexican Offshore From New Seismic Data**: C. O'Reilly, J. Keay, A. Birch-Hawkins, D. Chisari, J. Kegel, B. Torry*
- **Leveraging Technology to Reveal the Next Giants: Mexico Deepwater Campeche**: M. El-Toukhy, R. Hubbard, K. Lyons, M. Krenov

Theme 4: Mexico Deepwater Exploration II

Co-Chairs: S. Johnson and J. Veldkamp

- **Introductory Remarks**
- **Compelling Evidence From Eastern Mexico for a Late Paleocene/Early Eocene Isolation, Drawdown and Refill of The Gulf of Mexico**: S. P. Cossey, D. Van Nieuwenhuise, J. Davis, J. H. Rosenfeld, J. Pindell
- **Imaging the Pre-Salt Gulf of Mexico: Basin Classification and Comparison With Other World-Class Petroleum Basins**: A. Goswami, A. Hartwig, K. Reuber*, J. Pindell
- **Allochthonous Salt Sheet Growth: Implications for Thermal History and Source Rock Maturation in the Burgos and Perdido Basins, Mexico**: I. Davison, T. Cunha
- **Prospect Hammerhead (AC 943 #1 Exploration Well) Alaminos Canyon Protraction, U.S. Perdido Fold Belt, Gulf of Mexico**: M. W. Martin

Technical Program Wednesday

* denotes presenter is other than first author

Theme 6: Integrated Studies for Unconventional Reservoirs I

Co-Chairs: S. Sonnenberg and D. Jarvie

- **Introductory Remarks**
- **Application of Simultaneous Inversion and Geomechanical Facies in the Characterization of an Unconventional Play: An Example From the Vaca Muerta Formation in Argentina:** S. A. Cuervo, H. Malcotti
- **Reduced Frac Spread Costs Through Optimized Shaped Charge Design:** K. Harive, M. W. Denmon*, J. Walden
- **Petroleum Systems in Conventional, Unconventional Resources in Northern Arabia:** M. M. Elasmara
- **Application of Elastic Parameters in the Basin Modeling of Unconventional Reservoirs:** A. P. España, A. L. Santana, J. H. Morales, R. N. López, O. V. Mijangos

Theme 6: Integrated Studies for Unconventional Reservoirs II

Co-Chairs: S. Sonnenberg and D. Jarvie

- **Introductory Remarks**
- **Advanced Well-Site Geochemistry While Drilling: Improved Wellbore Positioning and Formation Evaluation of Unconventional Reservoirs:** P. Mainali, G. Yemidale, M. Dix, S. Heard, Z. Crosby, J. Austin, M. Tilford
- **Optimizing Shale Reservoir Characterization With Spectroscopy Evaluation While Drilling:** Z. Crosby, C. Mejia, C. Langford, P. Mainali
- **Integrated Application of LWD Electrical Images to Drilling, Geosteering and Real-Time Formation Evaluation: A Case Study From the Precambrian Dengying Formation, Central Sichuan Basin of China:** D. Wang, F. Zhou
- **Integrated Characterization of an Unconventional Reservoir: Member 8 Permian Shihezi Formation, Su49-01 Block, Sulige Gas Field, Ordos Basin, China:** T. Yu
- **A Comprehensive Method on Geological Modeling of Unconventional Reservoir: A Case Study of Su 49-01 Block in the Lower Permian Formation, Ordos Basin, Northwest of China:** T. Yu

Theme 7: Integrated Reservoir Case Histories I

Chair: U. Hernandez

- **Introductory Remarks**
- **Integrated 3-D Real-Time Visualization of Reservoir Navigation Model, 3-D Seismic Cube and While-Drilling Inversion of Ultra-Deep Azimuthal Resistivity:** E. Z. Ferreira, A. Vianna, F. Silva, A. Meira, R. C. Baptista, A. Martins, B. Fidalgo, J. Gripp
- **Using Surface Geochemistry in Petroleum Exploration Too High Grade Areas for Seismic in Unexplored and Under Explored Basins:** S. A. Tedesco
- **Oil Accumulation Related to Migration of Source Kitchens in the Lukeqin Structural Belt, Turpan-Hami Basin:** Q. Liu
- **Multi-Attribute Integrated Data Analysis of the Washout Creek 3C-3-D Data Set: Increasing the Resolution and Resolving Power of Seismic Data:** M. Perz, X. Li, W. Ohlhauser, R. Sharma, P. Cary, S. Chopra, M. Nemati

Theme 7: Integrated Reservoir Case Histories II

Chair: U. Hernandez

- **Introductory Remarks**
- **Application of Advanced Mud Gas Analysis for Field Development: Kuwait Deep Carbonate Case Study:** A. Al-Doheim, N. Rao, C. Pattnaik, V. K. Kidambi, Q. Dashti, J. Estarabadi, A. Shoeibi
- **Innovative Log Reconstruction Workflows for Seismic Reservoir Characterization Through Mitigation of the Challenges of Extremely Sparse Data Set:** N. Rao, C. Pattnaik, V. K. Kidambi, L. Al-Mijrin, M. Acharya, Q. Dashti, B. Singh
- **TBD**
- **A Research on the Possible Contributing Factors of Water Breakthrough in Cased-Hole Completed Wells:** R. Balesar
- **Sedimentary Model and Reservoir Distribution of Cambrian Evaporite-Carbonate Paragenesis in the Sichuan Basin:** A. Xu, Z. Wang, S. Hu*, . Bo, W. Lu, X. Zhai

Theme 9: Reservoir Prediction and Characterization I

Co-Chairs: C. Bartolini and J. Salazar

- **Introductory Remarks**
- **Mechanisms and Products of Mineralization in Modern and Recent Microbialites From Great Salt Lake – Implications for the Fossil Record:** R. Bourillot, A. Pace, A. Bouton, E. Vennin, C. Dupraz, S. Galaup, I. Bundeleva, P. Patrier, C. Thomazo, P. Sansjofre, Y. Yokoyama, M. Franceschi, Y. Anguy, L. Pigot, A. Virgone, P. Visscher
- **Paleoenvironments of the Albian Glen Rose Carbonate System in the Gulf of Mexico: USA and Mexico:** C. M. Lowery, J. W. Snedden, P. Ganey-Curry, T. Whiteaker, J. W. Virdell
- **Origin and Spatial Temporal Distribution of Clay Coatings in Shallow Marine Clastic Deposits: Insights From a Modern Estuarine Reservoir Analog (Gironde Estuary, France):** M. P. Virolle, R. Bourillot, H. Fenies, B. Brigaud, E. Portier, P. Patrier, D. Beaufort
- **How Variable are Submarine Basin-Floor Lobes in Space and Time?:** Y. T. Spychala, D. Hodgson, S. Flint, N. Mountney

Theme 9: Reservoir Prediction and Characterization II

Co-Chairs: C. Bartolini and J. Salazar

- **Introductory Remarks**
- **Deepwater Clastic Systems Along the 1000 km Exhumed Gondwana Margin: Lessons From Outcrop Studies:** S. Flint, D. Hodgson, R. Brunt, M. Poyatos-More
- **Forward Stratigraphic Modeling of Deep-Sea Sedimentary Environments: Predicting Facies Distribution in Salt Tectonics Context:** E. A. Marfisi, M. Callies, N. Hawie, A. Barrois
- **Characterization of Small-Scale Cycles of the Vaca Muerta Formation in Short-Cores and Outcrop, Neuquén Basin, Argentina:** L. E. Rueda Sánchez, D. F. McNeill, M. Tenaglia, G. Eberli, L. Rodriguez, L. Peterson, R. Weger
- **Drainage Systems in Rift Basins: Implications for Reservoir Quality:** S. Schwarz, L. Wood

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- **Linking Diagenetic History of Upper Cambrian Microbial Buildups to Genetic Pore Types, and Computed Tomographic Responses From Pore to Core, and Log Scales:** J. M. Proctor, P. Khanna, H. Hopson, A. Droxler, N. Derzhi, D. Lehrmann

Theme 10: Reservoir Characterization Applications I

Co-Chairs: E. Mendez and A. Horbury

- **Introductory Remarks**
- **Joint Inversion of Conventional Well Logs for Determining the Pore Microstructure and Saturation of Carbonate Formations:** E. Kazatchenko, M. Markov, A. Moustov, E. Pervago
- **Detection of Vertical Hydrocarbon Migration Pathways in Seismic Data: Toward the Quantification of Top Seal and Charge Risk:** D. Connolly, S. Adcock
- **Permeability Determination in Carbonate Rocks Integrating Nuclear Magnetic Resonance, Acoustic and Formation Test Data:** J. P. Salazar, B. Kriegshauser, H. Thern, I. Hinze

Theme 10: Reservoir Characterization Applications II

Co-Chairs: E. Mendez and A. Horbury

- **Introductory Remarks**
- **Extracting Seismic Attributes for Rock Physics Reservoir Characterization in Subsalt Environments, Keathley Canyon, Walker Ridge and Green Canyon Areas, Gulf of Mexico:** S. Cornelius
- **Seismic Geomorphology and Characterization of Deep Water Architectural Elements and its Applications in 3-D Modeling: A Case of Study, North Carnarvon Basin Australia:** J. J. Tellez, R. M. Slatt
- **High Resolution, Super-Efficient Wide Azimuth Beam Tomography for Velocity Model Building:** A. M. Popovici, N. Tanushev, S. S. Hardesty
- **Identification of Neogene Mixed Lacustrine Carbonate in Western Qaidam Basin:** Z. Fan
- **Advanced CRS Application by Model Based Attribute Guidance:** P. Schlueter, H. Trappe*, G. Eisenberg

History of Petroleum Geology I

Co-Chairs: S. Thornton and F. Olivares Perez

- **Introductory Remarks**
- **Hot Black Salsa: A Brief History of Petroleum in Cuba:** J. Podruski, E. Linares Cala, S. E. Thornton
- **History of Petroleum Exploration in Trinidad and Tobago:** K. M. Persad
- **Discovery of the World-Class Petroleum Province Reforma-Akal, Southeast Basin, Mexico:** J. J. Meneses-Rocha, C. Stabler
- **The First Mexican Woman Geologist:** P. O. Gómez

History of Petroleum Geology II

Co-Chairs: S. Thornton and F. Olivares Perez

- **Introductory Remarks**
- **History of Exploration and Development of the Controversial Giant Poza Rica Field Complex, Tampico-Misantla Basin, Mexico:** C. Stabler, S. E. Thornton
- **The Highest Flow Rate in the World: History of Discovery and Extension of the Golden Lane Trend, Tampico Misantla Basin, Mexico:** C. Stabler, S. E. Thornton
- **Giants in the Lowlands and Foothills: A History of Exploration in the Llanos Basin, Colombia:** A. Mora
- **Middle Magdalena Valley, Colombia – The Origin of Ecopetrol:** C. E. Escalante
- **Shell, Texaco and Occidental, Pioneers in the Exploration of the Putumayo-Oriente-and Maraón Basins, Colombia-Ecuador and Peru:** H. San Martin

Theme 11: Oil and Gas Environmental Best Practices

Chair: N. Martin

- **Introductory Remarks**
- **Groundwater Environmental Liability Management Using Baseline Sampling Programs:** T. Murphy
- **Towards an Improved Understanding of and Response to Large Microseismic Events Associated With Petroleum Operations:** A. M. Baig, K. Bosman*, T. Urbancic, G. Viegas
- **An Experimental Study of Carbon Sequestration via Mineralization of Flue Gas Desulfurization (FGD) Gypsum:** J. M. Graham
- **Innovation in the Oilfield: How Best Management Practices Have Reduced the Impacts of Unconventional Development:** N. Alleman, J. D. Arthur, M. Faucher
- **Underground Imaging to Detect Voids at Aqueduct Levee Crossings Using Geophysical Survey Techniques:** Z. Li

Wednesday Afternoon Poster 14:00-17:00

Presenters in their booths 15:00-16:30

Theme 1: Emerging Petroleum Basins

Chair: C. Macellari

- **Source Rock Analysis in the Western Caribbean Region:** L. M. Bernardo, C. Bartolini, L. Benkovics, P. Wellman, W. Hernoza, C. Restrepo, M. Gonzalez, M. Norini, J. Silva
- **Geologic and Volumetric Evaluation of Prospects Offshore Uruguay:** B. Conti, S. Ferro, J. Tomasini, P. Gristo, H. de Santa Ana
- **Derisking Frontier Exploration and Identifying Petroleum System Charge and Phase in the Lamu Basin in the Republic of Kenya:** R. Schrynmeeckers



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Technical Program Wednesday

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Theme 1: Basin Modeling

Chair: J. Roman Ramos

- **Introductory Remarks**
- **Heat Flow Calculated vs Heat Flow Measured in Gulf of Mexico the Oceanic Crust:** J. Rosales
- **Petroleum System Modeling and Exploration Potentiality in Abu Sufyan Sub-Basin, Muglad Basin, the Republic of Sudan:** Z. Li, Y. Shi, R. Gao, Y. Su
- **Komombo Petroleum Systems Modeling – Western Desert, Egypt:** A. A. Agam
- **Geochemistry of Oil of Major and Unique Oil Fields of Russia:** A. S. Nemchenko-Rovenskaya, T. N. Nemchenko

Theme 6: Natural Fracture Characterization for Unconventional Reservoirs

Co-Chairs: D. Campagna and E. Pliego

- **Microfracture Origins and Its Controlling Factors in Tight Oil Sandstones of the Upper Triassic Yanchang Formation, Southwest Ordos Basin, China:** W. Lyu, L. Zeng
- **The Fracture Dilemma: Fast Fracture Quantification Using High-Definition Logging While-Drilling Borehole Images to Automatically Extract Fractures and Its Impacts on Completion and Production:** O. Zened
- **Fractures Development Characteristics and Their Effect on Productivity in Tight Sandstone Reservoirs, Keshen Gas Field, Kuqa Depression:** Y. Liu, G. Wang, Z. Cheng, Y. Cui
- **Fracture Characterization of the Woodford Shale in the Arbuckle Anticline, Southern Oklahoma, Using Terrestrial Lidar:** B. Ginter, I. Cemen
- **The Influence of Offset and Gouge on Permeability in Macro-Fractured Basalt:** G. Wang, T. Mitchell, P. Meredith, X. Zhang, Z. Wu

Theme 6: Tight Oil

Co-Chairs: D. Campagna and R. Avila

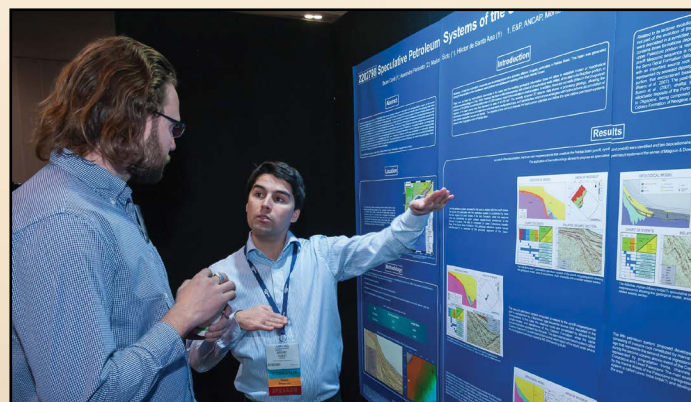
- **Factors Influencing Oil Heterogeneity in the Permian Loucaogou Lacustrine Tight Oil Reservoir in the Jimusar Sag, Junggar Basin, China:** C. Li, G. Liu, Z. Cao
- **Quantitative Evaluation of Diagenesis and Porosity Evolution of a Tight Sandstone Reservoir—A Case Study of the Southwestern Part of the Ordos Basin, China:** B. Li, X. Pang, J. Fujie, Z. Chunlin
- **Integrated Factors Controlling the Characteristics of Tight Oil Reservoir of the Lucaogou Formation in the Jimusar Sag of Junggar Basin, Northwest China:** Y. Su, M. Zha, C. Gao, J. Qu, X. Ding
- **Tight Reservoir Characteristics of Sedimentary Organic-Matter-Bearing Tuff and Influencing Factors of Petrophysical Property in the Santanghu Basin, Northwest China:** J. Ma
- **Geological Factors Controlling Pore Throat Type Distribution in Lacustrine Tight Sandstone Reservoirs: the Chang 7 Tight Sandstone of the Ordos Basin, China:** C. Li, G. Liu, Z. Cao

- **Reserves Evaluation and Field Development Forecast for Unconventional Oil in Western Siberia:** K. Rymarenko, M. Nukhaev
- **Characteristics of Dolomitic Tight Oil Reservoirs of Permian Lucaogou Formation in Jimusar Sag, Junggar Basin:** L. Wu, X. Pang, L. Zhou, L. Kuang, H. Pang

Theme 6: Unconventional Resources: Integrated Studies

Co-Chairs: D. Campagna and S. Sonnenberg

- **The Impact of Heterogeneity on Stressed Steady State Permeability Measurements in the Vaca Muerta Formation, Neuquén Basin, Argentina:** P. Zarian, G. Baechle, O. Ortega, M. Thompson, E. Pliego Vidal, F. Sanchez-Ferrer
- **Non-Geologic Factors Necessary to Develop a Shale Industry in Mexico:** E. J. Meneses-Scherrer, G. Gülen, S. W. Tinker
- **The Pimienta Formation as a Self-Sourced Unconventional Play in Tampico-Misantla Basin, Onshore Mexico:** E. Pliego Vidal, F. Sanchez-Ferrer, J. Roman Ramos, J. Galicia, P. Zarian, D. Minisini, M. Thompson
- **Optimal Application of Rejuvenation Technologies in Unconventional Plays Based on Sensitivity Analysis of Reservoir Modeling Variables:** R. Pinto
- **Integrated Approach for Unconventional System Analysis and Modeling: The Lower and Middle Triassic of Western Canada:** T. Euzen, S. Rohais, V. Crombez, M. Ducros, M. Romero-Sarmiento, M. Gasparini, W. Sassi, E. Bemer, H. Tazi, B. Carpentier, B. Chauveau, S. Pauthier, D. Granjeon
- **Occurrence State and Quantitative Evaluation of Shale Gas in China:** Q. Li
- **The Application of the Geostatistical Inversion in Shale Lithofacies Prediction:** X. Liu
- **3-D Model Based Preliminary Assessment of Shale Gas Resources. Case Study: Central Part of the Lublin Basin Area, Poland:** B. Papiernik
- **Experiments and Characteristic Analysis of Mud Filtrate Invasion in Low Porosity and Low Permeability Sandstone Reservoir:** J. Wu, Y. Fan
- **Uncertainty Estimation in the Volume of Tight Sandstone Gas Reservoir: A Case Study From Sulige Field, Ordos Basin, China:** J. Wang



Technical Program Thursday

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Thursday Morning Technical

Discovery Thinking I

Co-Chairs: C. Sternbach, P. Weimer and C. Wilhelm

See summary page 12

- **Introductory Remarks**
- **The Giant Perla Field: Discovery and Impact in the Caribbean:** M. Erquiaga
- **The Path to Unlocking a Frontier Basin: Offshore Colombia Deepwater Discoveries:** M. Torres

Discovery Thinking II

Co-Chairs: C. Sternbach, P. Weimer and C. Wilhelm

See summary page 12

- **Introductory Remarks**
- **Regional Mapping Across the Entire Gulf of Mexico Basin—New Plays, New Perspectives, New Discoveries:** B. W. Horn
- **Discovery and Challenges of the Southern Gulf of Mexico Gas Province:** G. Mora, M. Arreguin, L. Aguilera

Theme 1: Emerging Petroleum Basins I

Co-Chairs: C. Macellari and J. Roman Ramos

- **Introductory Remarks**
- **Integrating Seismic Data and Seafloor Geochemical Sampling Technologies to De-Risk Deepwater Colombia:** E. B. Manning, R. Schelstrate, P. Van Rensbergen, B. Lyons, C. Hamilton, N. Simons
- **Facies Architecture of a Porous Upper Ordovician Reef in the Hudson Bay Basin – A Potential Reservoir Directly on Top of a Type II Source Rock:** A. Castagner, A. Desrochers, D. Lavoie*
- **The Sverdrup Basin, Arctic Canada Has Many Analogues to the Barents Sea's First Permian Oil Discovery:** B. Beauchamp
- **Finding the Exploration Sweet Spot – Lessons Learned So Far in the Kurdistan Region of Iraq:** N. Raterman, D. Goff, R. Dvoretzky, S. Banerjee, J. Little
- **Earth Systems Modeling in the Predictive Mapping of Source Rock Environments: The Application of Organic Matter Productivity and Anoxia/Dysoxia Preservation Models for the Greater Gulf of Mexico and Caribbean:** J. Harris, A. Ashley, S. Otto, J. Watson, M. Goodrich, P. Valdes, J. Hill, A. Avdis

Theme 4: Deepwater Sediments

Co-Chairs: J. Shinol and S. Johnson

- **Introductory Remarks**
- **Stratigraphic High-Grading of Exploration Fairways: Deepwater Reservoir Distribution in Time and Space, Offshore East Africa:** K. McDonough, B. W. Horn
- **"Sheet Sands" Revisited: A Potentially Misleading Concept at Production Scale:** V. Abreu, G. Gaillot, K. Pederson, E. Ivanovskaya
- **Fine-Grained Deposits From Hyperpycnal Flow in Deepwater Basins: Impact on Top Seals in Turbidite Traps, Analogs and Examples:** S. E. Thornton
- **Miocene Current-Modified Submarine Fans:** L. E. Arce Perez

Theme 5: Non-Seismic Methods I

Co-Chairs: E. Mendez and A. Price

- **Introductory Remarks**
- **Delineating Salt Bodies With 3-D CSEM Technology Case Study: Perdido Fold Belt, US GoM:** Y. Martinez, M. Hiner
- **Joint Seismic-CSEM Imaging Electrifies Deep Water Exploration:** A. Zerilli, M. P. Buonora, P. T. Menezes, J. L. Crepaldi, T. Labruzzo
- **Benefits From Integrating Seismic and Non-Seismic Data for Offshore Mexico Exploration: From Regional Geological Context to Prospect Imaging and Reservoir Characterization:** A. Lovatini, I. Guerra, E. Medina, E. Tartaras
- **A New Approach for the Enhanced Interpretation of Marine CSEM Data:** A. Moustov, E. Pervago, A. Rodríguez Villuendas
- **Exploration of Hydrocarbons and Mining and Energy Resources Using Non-Seismic Methods – Nuclear Magnetic Resonance Technology:** M. F. Zamora Santacruz, J. F. Osorno, M. A. Ruiz Gonzalez*, A. V. Garcia

Theme 5: Non-Seismic Methods II

Co-Chairs: E. Mendez and A. Price

- **Introductory Remarks**
- **3-D Integration of Seismic, Well and Gravity Data for Sub-Salt Modeling, Validated by Drilling:** A. D. Price
- **Current Status and Advances of Gravity Survey in Oil Exploration and Reservoir Monitoring:** J. Mrlina
- **Source Depth Estimation From Gravity Data Over Bihar Mica Belt, India by Continuous Wavelet Transform:** A. Singh, U. Singh*
- **Interpretation of Airborne Magnetic Data of Upper Benue Trough, Northeastern Nigeria:** O. Maxwell, H. Wagiran

Theme 6: Tight Oil I

Co-Chairs: D. Campagna and R. Avila

- **Introductory Remarks**
- **New Reserves in an Old Field, the Niobrara/Codell Resource Plays in the Wattenberg Field, Denver Basin, Colorado:** S. A. Sonnenberg
- **Tithonian Pimenta Shale, Onshore Mexico: Unconventional Resource Potential:** D. M. Jarvie, J. Smyth
- **Petrophysical Properties Evaluation and Lithology Definition of the Tight Oil Formation in Western Siberia:** K. Rymarenko, M. Nukhaev
- **Diamondoids as Molecular Markers for Coupled Oil Cracking and Expulsion Evaluation in Unconventional Petroleum Systems:** L. Gao, A. Sneddon, Y. Li, J. Hu, Y. Tang
- **Simulation Experiments and Characteristics of Secondary Migration Driving Force of Tight Oil: A Case Study of Jurassic in Middle Sichuan:** Z. Pang, S. Tao, B. Zhang, S. Wu, J. Yang, R. Chen

Theme 6: Tight Oil II

Co-Chairs: D. Campagna and R. Avila

- **Introductory Remarks**
- **Characteristics and Formation Mechanism of Chang 7 Tight Sandstone Oil Reservoir in Ordos Basin, China:** W. Han, S. Tao, W. Ma

Technical Program Thursday

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- **The Upper Jurassic – Lower Cretaceous Oil Shales of the Central Mid-Polish Trough:** P. Poprawa
- **Estimating Brittleness Index Using Mineralogy and TOC in the Whangai Formation, New Zealand:** T. Y. Fatah, J. P. Salazar, C. Rabe

Theme 7: Integrated: New Ideas in Old Plays I

Co-Chairs: D. Good and A. Velasquez

- **Introductory Remarks**
- **Positive Outcomes in the M1 Sandstone in a Mature, Low Structure Play Tarapoa West Area, Oriente Basin, Ecuador:** L. Jincheng, D. R. Good*, Z. Xing, Z. Xinjun, H. Quan, R. Orozco, J. Espinosa
- **New Exploration Ideas Leading to Discoveries and Unlocking New Potential in a Mature Oil Province: The T2 Unit, Llanos Basin, Colombia:** J. Castillo, R. Peñas, E. Cardozo, C. A. Villamizar, J. Gelvez, J. Ortiz, A. J. Velasquez, A. R. Mora, V. Caballero, F. De La Parra, V. Blanco
- **Application of Simultaneous-Stochastic Inversion to Define the Reservoir Architecture in a Complex Heavy-Oil Province:** A. J. Velasquez, J. Gelvez, C. A. Villamizar, E. Cardozo, M. Lazala, V. Caballero, F. De La Parra, A. R. Mora
- **Renewed Exploration Interest in the Mature Basal Tena / M1 Sandstone Play – Kupi-Wanke Area, Block 14, Oriente Basin, Ecuador:** L. Jincheng, D. R. Good*, Z. Xing, Z. Xinjun, H. Quan, R. Orozco, J. Espinosa
- **Sedimentary Geology and Petroleum Potential of Eocene Foredeep Deposits of the Magallanes Basin, Southern Chile:** J. Pinto, P. Mellas

Theme 7: Integrated: New Ideas in Old Plays II

Co-Chairs: D. Good and A. Velasquez

- **Introductory Remarks**
- **Subsurface Mapping of the Early Miocene Retrench Sandstones Along the La Fortune Anticline, Oropouche Oilfield, Southern Basin, Trinidad, W.I.:** S. Harrypersad, X. Moonan, V. Young On, S. Rajab, F. Hosein, B. Wilson, A. Costelloe
- **Factors Controlling Sedimentary and Petroleum System of Early Syn-Rift Plays in Faulted Margin of Continental Rift Basin: An Example in the Eastern Edge of Cuu Long Basin, Offshore Vietnam:** H. N. Tran, N.Q. Thap, H.N. Dang, T.M. Cuong, T.V. Xuan, N.D. Chuc, N.X. Vinh, T.V. Lam
- **An Innovative Reservoir Method for Maximizing Drilling Success Rates in the Sui and Habib Rahi Limestone Plays of Pakistan:** S. Mahmoud
- **Analysis Of Magnetite Mineral Influence On Clean Sandstone Reservoir Resistivity Through Correction Methods in Low Resistivity Pay Zone:** E. Yanto

Theme 9: Clastic and Carbonate Diagenesis I

Co-Chairs: C. Bartolini and C. Steffensen

- **Introductory Remarks**
- **Carbonate Platform Record of Mid-Cretaceous Oceanic Anoxic Events (OAE), Croatia:** A. Husinec, J. Read

- **First Coupling of $\Delta 47$ Thermometry and U-Pb Dating to Constrain the Diagenetic Evolution and Thermal History of Sedimentary Basins : The Case of the Paris Basin (France):** X. Manguet, M. Bonifacie, A. Gerdes, V. Rouchon, M. Gasparini
- **Effect of Diagenesis on Reservoir Distribution in a Sequence Stratigraphic Framework: Evidence From the Changing Formation (Permian) in Tieshan District of Northeastern Sichuan, China:** Y. Huang
- **The Effects of Acid Fluid on Diagenesis in Coal Measure Strata:** J. He
- **The Origin of Ultra-Deep Fractured Tight Sandstone Reservoir and the Model of Diagenetic Evolution in Kuqa Depression, Northwest China:** C. Ge, S. Chunsong, H. Zhang

Theme 9: Clastic and Carbonate Diagenesis II

Co-Chairs: C. Bartolini and C. Steffensen

- **Introductory Remarks**
- **Sedimentological Control of Diagenetic Processes of the Tidal Sandstones of the Upper Cape Hay Formation (Permian, Bonaparte Basin, Australia): Impact on the Reservoir Properties of the Petrel Gas Field:** B. Brigaud, J. Saïag, E. Portier, G. Desaubiaux, A. Bucherie, M. Pagel
- **Effect of Diagenesis on Carbonate Ramp Architecture, Last Chance Canyon, New Mexico:** P. Tesch, W. Yeap, K. Kvinta, G. Sullivan, M. Pope, B. Reece
- **Diagenetic Studies and Its Implications on the Reservoir Character of the Anisian-Norian (Triassic) Kingriali Formation, Salt Range (Pakistan):** M. M. Shah, I. Ahmed
- **Burial Dissolution Could Significantly Enhance the Performance of Carbonate Reservoir Rocks: Evidence From Simulation Experiments:** X. He, A. Shen, M. She

Theme 10: 4-D Seismic

Co-Chairs: M. Le Vot and H. Salazar

- **Introductory Remarks**
- **Time Lapse Seismic, a Journey Through 20 Years of Seismic Challenges:** C. Saint-Andre, B. Blanco, Y. Montico, P. Charron, E. Brechet
- **Recent Improvements for Quantitative 4-D Seismic:** C. Hubans, E. Brechet, P. D. Thore, C. Saint-Andre
- **Seismic Through Simulation With Integrated Time-Lapse Workflow:** T. Ramsay, J. Lomask, J. Ting
- **Characterization of Reservoir Characterization Uncertainties Applied to 3-D & 4-D Data:** P. D. Thore, F. Piriatic, C. Hubans
- **Estimation and Re-Parameterization of Saturation and Pressure Changes From Time-lapse Seismic Data Based on Statistical Rock Physics Modeling:** D. Grana

Theme 10: Microseismicity (Surface and Wellbore)

Co-Chairs: G. Carstens and P. Duncan

- **Introductory Remarks**
- **Seismic Mega Merger and Subsurface Integration Workflow in the Neuquén Basin, Argentina:** D. M. Samake, P. Zarian, P. Xu, B. Jones, F. Sanchez-Ferrer, E. Pliego Vidal, G. Soto

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- **The Role of Proppant Mesh Size on Stimulation Effectiveness:** A. M. Baig, T. Urbancic, E. Ardakani*
- **Plasticity and Flow: A Continuum Description of Reservoir Response From Microseismicity:** A. M. Baig, T. Urbancic, L. Smith-Boughner
- **Fluid-Filled Fractures Mapping Using S-Wave Attenuation on Microseismic Events:** G. B. Bergery, T. Shuck, D. E. Diller

Thursday Morning Poster 09:00-12:00

Poster Presenters in their booths 10:00-11:30

Theme 2: Structural Geology and Tectonics

Co-Chairs: J. Buitrago and M. Moreno-Vega

- **New Insights From 3-D Data Over an Extinct Spreading Ridge and Its Implications to Deepwater Offshore Exploration:** B. Torry, J. Kegel, D. Chaikin
- **Reconstruction of Post-Rift Anomalous Subsidence in Qiongdongnan Basin, Northern South China Sea:** B. Kang, X. Xie, K. Wu, J. Xu
- **Micro-Structural Analysis to Identify Micro-Scale Deformation Mechanisms and Their Effects on Fault Sealing Capacity: An Example From the Lenghu 5 Thrust-Fold Belt, Qaidam Basin, Northeast Tibetan Plateau:** Y. Pei, R. Knipe, D. Paton, A. Li, K. Wu
- **The Architecture of Buried Reverse Fault Zone in Sedimentary Basin: A Case From the Northwest Margin of Junggar Basin, China:** Y. Liu, K. Wu, W. Xi*, Y. Pei
- **Geological Framework and Gas Hydrate Potential in Deepwater Fold-and-Thrust Belt of the Lower Gaoping Slope Offshore Southwest Taiwan:** L. Lin, C. Liu, J. Chang, H. Hsu
- **Conceptual Geological Model About Hydrocarbon Flow Through Fractures in Siliciclastic Sequences of the Chicotepec Fm:** D. Bolaños-Rodríguez, M. Cruz-Castillo, A. Acosta-Angeles
- **The Evolution of Forebulge Structure of Kuqa Rejuvenated Foreland Basin, North of Tarim Basin, Northwest China:** T. Sun
- **Relationship Among West Taiwan Foreland Basin Development, Inherited Extensional Structures and Taiwan Orogeny:** Y. Chang, K. Yang, J. Wu
- **The Geometry and Kinematics of the Kashi-Aksu Foreland Thrust System, Northwestern Margin of the Tarim Basin:** J. Miao, C. Jia
- **Insight Value of the Stress Field Dynamics in Hydrocarbon Exploration Within the Highly Deformed Thrust Belts; An Example From Lesser and Outer Himalayas Along Main Boundary Thrust Fault, Hazara-Margalla Hill Ranges, North Pakistan:** K. I. Mohammad, A. Sajjad, I. H. Rai, C. J. Rashid, K. Z. Mahmood, U. Mohammad
- **Record and Constraints of the Eastward Advance of the Caribbean Plate in Northern South America:** J. F. Flinch, V. Castillo

Theme 4: Deepwater Exploration & Production

Co-Chairs: S. Johnson and J. Shinol

- **3-D Visualization and Geological Analysis of Deepwater Geobodies, Potiguar Basin (Offshore, Northeast Brazil):** W. B. Araújo, E. L. Barbosa, L. O. Oliveira, F. G. de Souza
- **Combining Sea Surface Oil Slicks and Seismic Imagery to Identify Working Hydrocarbon Plays in Offshore Mexico:** A. Pandey, P. Hargreaves, K. Rodriguez, M. Saunders
- **Oil Seeps on the Seafloor of Perdido, Mexico:** M. Mano, C. H. Beisl, C. Soares
- **An Update of Hydrocarbon Potential of Cuban Exclusive Economic Zone in the Gulf of Mexico:** O. Corzo, O. López, B. Domínguez Garces, J. López Rivera, O. Castiñeira, A. Nieves, J. Gómez Herrera
- **Mass-Transport Complexes as Markers of Deep-Water Fold-and-Thrust Belt Evolution; Insights From the Magdalena Fan, Offshore Colombia:** A. Ortiz-Karpf, D. Hodgson, C. A. Jackson, W. D. McCaffrey
- **A New Prospective of US Gulf of Mexico From a Large Scale Seismic Reimaging Project:** C. Peng
- **Petrophysic Behavior of Reservoirs and Seals in Cuban Economic Exclusive Zone in the Gulf of Mexico and Its Surroundings:** O. Castiñeira
- **Stratigraphy of Cuban Exclusive Economic Zone in the Gulf of Mexico:** A. Nieves
- **Source Rocks Maturity and Generation Processes Estimation in Cuban Exclusive Economic Zone in the Gulf of Mexico:** O. Corzo, J. López Rivera
- **Subsalt Seismic Imaging Advances in the Mexican Petroleum Provinces:** A. Vazquez

Theme 8: Geomechanics

Co-Chairs: G. Gomez and J. Osorio

- **Formation Damage Disaggregation in Gas Well and Sensitivity Reservoirs From Build Up Well Test:** A. Naranjo, E. A. Lopez, S. Zapata, C. A. Rangel
- **Coupling Streamlines With Geomechanics Simulation:** J. D. Teixeira, D. K. de Carvalho, L. J. Guimarães
- **Data Quality Control to Increase Geomechanical Modeling Accuracy:** B. Teixeira Silveira
- **Geopressures Calculation in Real Time to Calibrate Operating Windows:** C. Martinez, F. Rodriguez, E. Gonzalez, L. Corrales, A. Leon, E. Hernandez, C. Isidro
- **Analysis of the Transfer Process and Dynamic Variations of Pore Pressure for the High Rank Coal in the Southern Qinshui Basin, China:** R. Li, S. Wang



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Theme 10: Geophysical Reservoir Characterization

Chair: R. Martinez

- **Understanding the Transition Between Limestone and Dolomite to Estimate the Hydrocarbon Volume of Carbonate Reservoirs:** Z. Hossain
- **Geostatistical Prediction of Reservoir Petrophysical Properties by Copula-Based Dependence Models Between Seismic Attributes and Petrophysical Properties:** M. A. Diaz-Viera, A. Erdely, R. Del Valle Garcia*, T. Kerdan, F. Mendoza-Torres
- **Seismic Attenuation Workflow for Lithology and Fluid Interpretation:** R. Del Valle Garcia, T. Kerdan, A. Leon, J. Flores-Renteria, M. A. Diaz-Viera
- **The Significance of Bedding Planes in Controlling Out-of-Zone Growth in Highly Fractured Shale Play:** A. M. Baig, T. Urbancic*, G. Viegas
- **Integrated Interpretation of 3-D Seismic Data:** L. Singh, A. Mishra
- **Application of Geostatistical Inversion in the Thin Sand Body Prediction: A Case Study in Yangqian 19 Area, Nanxiang Basin:** S. Ren, G. Yao, Z. He
- **Automatic, Geological Layer-Constrained Seismic-Well Tie Through Blocked Dynamic Warping:** K. Wang, J. Lomask, F. R. Segovia
- **Integrated Study of Dolomitization in an Evaporite Platform Evidenced by 3-D Seismic Data and Rock Analysis: Middle Triassic Leikoupo Formation in Longgang Area, Sichuan Basin, China:** Z. Xu, S. Hu, H. Zeng, Q. Fu, L. Wang
- **Determination of the Laminar, Structural and Disperse Shale Volumes Using a Joint Inversion of Conventional Logs:** A. Aquino-López, A. Moustov, M. Markov, E. Kazatchenko

- **Shear Fault-Bend Folding Across the Southern Caribbean Basin, Offshore Northern Colombia – Implications for Hydrocarbons Exploration:** F. Corredor
- **Folding and Pre-Folding Natural Fractures in the Cupido Carbonate Platform and Speculative Fracture Characteristics in Equivalent Deep-Water Carbonate Facies:** O. Ortega, E. Pliego Vidal, F. Sanchez-Ferrer
- **Lithofacies Evolution of the Sierra de Chiapas Basin and the Chiapas Paleo Bay, Cretaceous to Eocene:** U. Martens, J. Pindell, R. Molina, A. Beltran

Theme 1: Emerging Petroleum Basins II

Co-Chairs: C. Macellari and L. Benkovics

- **Introductory Remarks**
- **Back to the Rocks: Framework of Depositional Acmes in Source Rocks of the Gulf of Mexico Basin and North Caribbean Margin:** A. S. Pepper
- **Frontier Basin Exploration Through Integration of BSR-Derived Geothermal Gradient and CSEM Anomaly-Seismic Co-Rendering – Foz do Amazonas Basin, Brazil:** K. Rodriguez, J. Berryman, H. Kearns, M. Saunders
- **Seismic Stratigraphy of Cenozoic Deposits in Salaverry Forearc Basin, Peru: New Insights in Assessing Potential Reservoirs and Plays:** D. Timoteo, F. Chemale Junior, E. Borda, A. Ritter Jelinek, C. Helouise Engelmann de Oliveira
- **Regional Play Concepts of the Namibian Margin: New Mega-Regional Seismic Data Offer Insights Into New Petroleum Plays:** E. C. Gillbard, K. McDermott, B. W. Horn, J. Dolson

Theme 1: Basin Modeling

Co-Chairs: E. Velasques and P. Eisner

- **Introductory Remarks**
- **Petroleum System Modeling of the Shelburne Sub-Basin: An Insight on the Petroleum Potential of the Southwest Nova Scotia:** E. A. Marfisi, A. Arbeaumont, F. Saint-Ange, A. MacDonald, M. Luheshi, L. Cuilhe
- **Tectonic Evolution and Petroleum Systems of the Llanos Basin, Colombia:** A. Mora, D. Garcia, A. Reyes-Harker, M. Parra, V. Blanco, N. Sanchez, F. De la Parra, V. Caballero, G. Rodriguez, C. Ruiz-Valdivieso, J. Naranjo, E. Tesón, B. Horton, I. Quintero, N. Moreno
- **Basement Control in the Deposition of the Basal Sands (Mirador-Carbonera Fms) of the Southeastern Llanos Basin of Colombia and Its Implication in the Distribution of Stratigraphic Traps:** I. Sabino, H. Acevedo, C. Macellari
- **The Oil Charge Enigma of the Tampico-Misantla Basin: Where and When did the “160 Billion bbls Oil-in-Place Discovered to Date” Migrate From?:** K. Vazquez, X. Hernandez, M. V. Shann, G. Gray, F. Rocha-Legorreta
- **Sequence Stratigraphic Framework and Sedimentary Evolution of Niubao Formation in Lunpola Basin, Central Tibet:** W. Wei

Thursday Afternoon Technical

Theme 2: Fold and Thrust Belts/Foreland Basins I

Co-Chairs: J. Buitrago and M. Moreno-Vega

- **Introductory Remarks**
- **The Fault Trajectory Method: A New Technique for Estimating the Location and Dip of Controlling Faults Below Forced Folds:** N. Eichelberger, A. Nunns, R. Groshong, I. Yarbuh
- **Mechanics and Kinematics of the Perdido Foldbelt Toe, Northern Mexico:** F. Bilotti, C. A. Guzofski*
- **Structural Evolution of Deepwater Fold and Thrust Belt, Offshore Northwest Sabah, Malaysia and Hydrocarbon Implications:** W. C. Low, R. Hall

Theme 2: Fold and Thrust Belts/Foreland Basins II

Co-Chairs: J. Buitrago and M. Moreno-Vega

- **Introductory Remarks**
- **Strike-Slip Fault Systems and Their Kinematic Relationship to Thrust Faults in the Sinu-Offshore Thrustbelt (Colombian Caribbean Sea):** I. Quintero, O. Felipe Marin, E. J. Rueda
- **Migrating Twin Left-Lateral Faults System Along the North Caribbean Boundary – Implications On Geodynamics Around the Haiti-Cuba Boundary:** N. Ellouz, Y. Hamon, R. Deschamps, A. Battani, R. Momplaisir, D. Boisson, C. Prépétit



Technical Program Thursday

* denotes presenter is other than first author

Theme 8: Geomechanics I

Co-Chairs: G. Gomez and J. Osorio

- **Introductory Remarks**
- **Understanding the Variation of Fracture Toughness With Sonic and Other Rock Mechanical Properties— Some Laboratory Scale Studies and Their Implications:** R. Talreja, R. Kumar, V. Murthy (Presented by J. Castagnoli)
- **Coupled Hydro-Geomechanical Simulation of Hydraulic Fracture Propagation in Unconventional Reservoirs Using the Strong Discontinuity Approach:** M. G. Seixas, L. Beserra, L. J. Guimarães*, O. Manzoli
- **A Model to Describe the Behavior of Opening / Closing of Naturally Fractured Systems:** A. Naranjo, E. A. Lopez, J. M. Mejia
- **Upscaling Constitutive Relationship for Coal Matrix for Numerical Simulation of Permeability Changes in Coalbed Methane Reservoirs:** S. Saurabh, S. Harpalani

Theme 8: Geomechanics II

Co-Chairs: G. Gomez and J. Osorio

- **Introductory Remarks**
- **Geomechanical Impact of High Tectonics and Overpressure in Fracture Design – A Tight Gas Reservoir Case in Argentina:** J. Guerra Aristizabal
- **Coupled Hydro-Mechanical Modeling of Fault Reactivation Problem in Petroleum Reservoir Considering the Fault Divided Into Core and Damage Zones:** I. F. Gomes, J. D. Fernandes, J. D. Teixeira, J. A. Barbosa, L. J. Guimarães
- **Salt Creep Monitoring in Real Time Drilling Geomechanics: How to Define in Real Time the Mud Weight to Get a Safe Time Window to Drilling, Casing Running and Cementation Job:** J. P. Castagnoli, C. Montesinos, D. Munoz
- **A Revised Overburden Estimation Methodology:** T. Llobet

Theme 6: Shale Gas I

Co-Chairs: D. Campagna and E. Pliego

- **Introductory Remarks**
- **Porosity Evolution of Lacustrine Organic-Matter-Rich Shales in China:** L. Su, S. Wu*
- **Applying Digital Rock Characterization to a New North American Basin Shale Play:** J. Walls, A. Morcote, T. Hintzman
- **Shale Gas/Oil Reservoir Seismic Characterization for the Mexican Eagle Ford in the Galaxia Project:** R. Ávila-Carrera, J. A. Mendoza-Amuchastegui, R. Verm
- **Estimation of TOC and Brittleness Volumes and Correlation to Production for the Barnett Shale of Fort Worth Basin:** S. Verma, T. Zhao, K. Marfurt

Theme 6: Shale Gas II

Co-Chairs: D. Campagna and E. Pliego

- **Introductory Remarks**
- **Identification of Potential Sweet-Spots by Integrated Analysis of Core Samples and Conventional Wireline Logs in the Barnett Shale Play:** N. Gupta, S. Kiv, S. Verma*, D. Devegowda

- **Effect of Pore Space Distribution and Morphology on Gas Permeability in Shale:** S. Yao, X. Wang, F. Zeng
- **Shale Gas and Shale Oil Identification Through Geophysical Inversion of Well Logs:** F. Perez-Ortega
- **The Nature and Classification of Organic-Associated Pores Based on In-situ Organic Petrology Through Comparative Study on Marine, Transitional and Lacustrine Gas Shales in Typical Areas, China:** C. Yang, J. Zhang, S. Han, L. Wang, W. Yu

Theme 4: Global Deepwater Exploration I

Co-Chairs: S. Johnson and S. McGeogh

- **Introductory Remarks**
- **Deepwater Exploration and Production in Crisis – Impact and Solutions:** J. Wilson
- **Opportunities and Challenges in the Upper Cretaceous Turbidite Channel Play, Foz do Amazonas Basin, Equatorial Margin of Brazil:** I. MacEwen, A. Belopolsky
- **The Tamar Sands of the Deepwater Levant Basin: A World Class Reservoir System:** H. Pettingill, M. K. Davis, G. Fielder, Z. Karcz, J. Steinberg
- **The Revival of the Turbidite Hydrocarbon Plays in the Brazilian Offshore Basins:** S. Kattah

Theme 4: Global Deepwater Exploration II

Co-Chairs: S. Johnson and S. McGeogh

- **Introductory Remarks**
- **The Darwin Discovery and Its Implication on the Hydrocarbon Potential of the South Falkland Basin:** B. J. Farrer
- **South Atlantic Rifting and the Impact on Equatorial Atlantic Deepwater Exploration:** F. R. Love
- **Seismic Carbonate Reservoir Prediction and Drilling Results, Offshore Nicaragua, Caribbean Sea:** R. Bunge, Y. Yusri, S. Miller, E. Ferro, J. Bova
- **Structural Styles in the Bahia Basin and the South Caribbean Deformed Belt, Colombian Caribbean Margin:** P. A. Galindo, L. Lonergan
- **Basement Fabric From 3-D Seismic, Offshore Deepwater Colombia:** B. R. Frost, T. D. Waller

Theme 9: Reservoir Prediction and Characterization III

Co-Chairs: F. Monroy and P. Tesch

- **Introductory Remarks**
- **Multi-Scale Characterization and Modeling of Non-Marine Microbial Carbonates: The Lower Purbeck Formation (Late Jurassic to Early Cretaceous), Dorset, Southern England (UK):** A. Gallois, E. N. Kozlowski, D. Bosence, P. Burgess
- **Facies, Architecture and Diagenesis of Middle to Upper Jurassic Carbonates: An Outcrop Analogue for Subsurface Reservoir Prediction (Ghissar - Uzbekistan):** M. Carmeille, R. Bourillot, M. Brunet, E. Barrier, P. Pellenard, J. Schnyder, C. Blanpied, I. Sidorova

Technical Program Thursday

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- **Diagenetic and Microbial Steps Leading to the Mineralization of Microbial Mats in Cuban Hypersaline Lagoon (Cayo Coco; North Cuba):** A. Pace, R. Bourillot, A. Bouton, E. Vennin, C. Dupraz, S. Galaup, I. Bundeleva, P. Patrier, C. Thomazo, P. Sansjofre, Y. Yokoyama, M. Franceschi, Y. Anguy, C. Gaborieau, M. Roger, L. Pigot, A. Virgone, P. Visscher
- **Nomenclature Proposal and Provenance Analysis of the Concepción del Oro Formation (former Formación Caracol): Implications for the Tectonic Evolution of Southern North America in the Late Cretaceous:** Y. E. Ocampo-Díaz, M. P. Pinzon-Sotelo*, T. Lawton, G. Chavez-Cabello, A. Ramírez-Díaz, M. Martínez-Paco, F. Velasco-Tapia, M. Guerrero, R. Barboza-Gudiño

Theme 9: Reservoir Prediction and Characterization IV

Co-Chairs: F. Monroy and P. Tesch

- **Introductory Remarks**
- **Jurassic Eolian Depositional Systems of the Northern and Southern Gulf of Mexico Compared: Implications for New Exploration and Development:** J. W. Snedden, J. B. Wagner
- **Carbonate Depositional Models, Rock Fabrics and Porosities for a Prograding Oolitic Wedge: the Bathonian of Western France (Aquitaine Basin):** S. Andrieu, B. Brigaud, J. Barbarand, E. Lasseur
- **Mechanisms of Erosion and Entertainment by Submarine Mass-Flows; Insights From the Santos Basin, Offshore Brazil:** A. Ortiz-Karpf, D. Hodgson, C. A. Jackson, W. D. McCaffrey
- **Importance of Collecting Dimensional Information From Modern Analogs for Use in Ancient Carbonate Reservoir Characterization:** A. L. Varga, J. A. Simo
- **Sedimentological and Structural Interactions Between Mobile Salt and Carbonate Systems in Southeast Mexico:** A. D. Horbury, P. Gutteridge

Theme 10: Reservoir Characterization Applications III

Co-Chairs: G. Carstens and P. Duncan

- **Introductory Remarks**
- **The Dielectric Permittivity of Carbonate Formations With Different Porosity Types:** M. Markov, E. Kazatchenko, A. Moustov
- **Seismic Reservoir Characterization of Miocene Channel Sands Integrating Joint PP-PS Simultaneous Seismic Inversion and Stochastic Rock Physics Modeling:** L. Ambati, F. A. Villaorduña Artola, J. C. Hernandez Villalobos, J. I. Ravelo, J. G. Hernandez Jaime, G. Zuluaga
- **Elastic Wave Propagation in Fractured Media Using the Discontinuous Galerkin Method:** J. D. De Basabe, M. K. Sen
- **How Abundant are Fractures in Subsurface Carbonates? Insights From the Gently Folded Arab Reservoirs:** M. M. Al-Fahmi

Theme 10: Subsalt Imaging

Co-Chairs: R. Martinez and M. Arreguin

- **Introductory Remarks**
- **Practical Application of Adaptive Least-Squares RTM to Advance Field Development and Uncover New Reserves in the Sub Salt Provinces:** C. Zeng, S. Dong, Z. Wu, J. Ji, D. Armentrout

- **Recent Advances and Experiences in Subsalt Seismic Imaging:** P. Williamson, B. Duquet, C. Rivera, C. Agut, R. Baina, V. Duprat
- **Integrated Subsalt Velocity Model Building in the Central Gulf of Mexico:** J. Dai, L. Zhang, S. Chen, C. Peng, A. Ramirez, C. Shih
- **Consideration to Data Driven Solutions for the Acquisition of New Marine 3-D Seismic:** J. Willmore, B. Torry, H. Roende, C. Egger, A. Thames
- **Statistical Variable Salt Velocity Calculation by Neural Network Classification in the Central Gulf of Mexico:** H. Li, J. Hutson, B. Koechner, B. Weir, J. Gardner, C. Peng

Thursday Afternoon Poster 14:00-17:00

Poster Presenters in their booth 15:00-16:30

Theme 1: Geochemistry and Source Rock Characterization

Chair: E. Velasquez

- **New Appraisal of Petroleum Alteration Processes in Reservoirs From the Southwest-Barents Sea: Evidences From $\delta^{13}C$, δD and Geochemical Data:** W. A. Murillo, A. Vieth-Hillebrand, B. Horsfield, H. Wilkes
- **Geochemical Technologies to Characterize Heavy Oil and the Sources for Mixed Oil in Latin America:** M. Moldowan
- **Geochemical Study of the Sinemurian Arietites Bucklandi Zone in the Blue Lias of Lyme Regis (Dorset, UK):** A. Nava Cedillo
- **Genetic Origin of Gas and Its Effect on Hydrocarbon Property in the Ordovician of Tazhong Area Tarim Basin, Northwest China:** Y. Wang, J. Chen
- **The Role of Minerals in Petroleum Generation, A Laboratory Perspective:** J. D. Kalimenze
- **Organic Matter Enrichment of Upper Ordovician-Lower Silurian Black Shales in Yichang Area:** X. Yang
- **Geochemistry of Natural Gases and Condensate in Tazhong Region, Tarim Basin:** J. Dong, Z. Huang
- **Carbon Dioxide Induced Water-Rock Reactions and Heterogeneous Distribution of Porosity in Tight Sandstone Reservoir:** L. Yang, T. Xu, k. Liu, H. Tian, G. Feng, F. Li

Theme 7: Integrated Reservoir Studies

Co-Chairs: D. Good and A. Velasquez

- **Clastic Reservoir Quality: A Multi-Disciplinary Approach Based on Field-Sampling, Satellite Mapping, Geodynamic and Provenance Analysis:** E. Santoro, P. A. Marshall, A. G. Palombo
- **Integration of Surface and Subsurface Data With New Technologies to Enhance Reservoir Knowledge in Mesozoic Fractured Carbonates Analogues of Mexico:** A. G. Palombo, P. A. Marshall, E. Santoro, I. Masucci, M. Oehlers
- **Recent Advances in the Understanding of Northern Basin Stratigraphy, Gulf of Paria: Integrating Biostratigraphic and Palynological Analysis:** S. Gazalie, C. Lakhan, C. Archie
- **Diagenesis and Its Impact on the Reservoir Quality of Chang 7 Tight Sandstones in Ordos Basin, China:** W. Dou, L. Liu, Z. Xu

Technical Program Thursday

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- **Challenges Related to the 3-D Geo-Cellular Modeling of Vulcaniclastic Mature Oil Field in Central Sumatra, Indonesia:** V. T. Ivanov, M. Prakoso, N. Witasta, W. Nainggoloam, I. Kurmiawan, A. Azzalalah
- **Maximizing Image Data To Minimize the Uncertainty of the Geological Model for Horizontal Well Fracturing:** S. Li
- **Drilling Dynamics Knowledge Contributes to Reservoir Navigation Decisions in Peregrino Field, Offshore Brazil:** R. C. Baptista, E. Z. Ferreira, A. Martins, O. Sanabria, S. Soltvedt, J. Barbosa, G. C. Simões, E. Galleti
- **Nannofossils for Refined Stratigraphic Time Resolution in Mumbai Offshore Basin of India:** R. K. Saxena

Theme 11: Oil and Gas Environmental Best Practices

Chair: N. Martinez

- **Origin and Distribution of CO₂ in the Deepwater Area of the Pearl River Mouth Basin, South China Sea:** Y. Liu, H. Chen
- **CO₂ Sequestrations: Environmental Best Practices in Light of EPA/World Bank/Equator Principles, EPA Findings About Releases From Injection Zone and Applications to Enhanced Oil Recovery and Gas Development in Mexico:** R. C. Bost
- **Depth to Groundwater: Interpolation Techniques Using Large Datasets From Groundwater Wells in Louisiana:** M. A. Pellegrin, W. P. Broussard, D. M. Borrok
- **Evaluation of Different Remediation Measures for Hydrocarbon Contaminated Soils:** O. Omolade
- **Analysis of Water Distribution in the State of San Luis Potosi, México and Its Relation to the Use of Resource Through a Geospatial Modeling:** A. Cárdenas-Tristán

History of Petroleum Geology

Co-Chairs: S. Thornton and F. Olivares Perez

- **A Brief History of the Exploration History of the Gulf of Suez, Egypt:** W. A. Wescott, M. Atta, J. C. Dolson

Theme 3: Regional and Reservoir Seismic

Chair: P. Kahn

- **The Analysis of Application Seismic Interferometry to Interpolate Missing Seismic Data:** L. S. Ahmad
- **Implications of Seismic Attribute Computations From Depth-Migrated Data:** L. Vargas-Meleza, E. Espinoza-Carrasco, S. Chávez-Pérez

Theme 9: Clastic and Carbonate Reservoir Prediction and Characterization I

Chair: C. Bartolini

- **Seismic-Based Sedimentary Episode Identification for Overlapping Compound Sedimentary Bodies in Continental Lacustrine Rift Basins: A Case Study From the Bohai Bay Basin, China:** S. Li, H. Zhu
- **Depositional Characteristics of Gravity Flow and Its Geologic Significance of the Continental Fault Basins: A Case at the Third Member of Shahejie Formation in Maozhou Area of Baxian Depression, China:** T. Wang, Y. Ji, Z. Li, D. Liu, T. Cheng
- **Porosity Estimation From Image Log—Improving Petrophysics Evaluation in Natural Fractured Formation With Low Primary Porosity System:** R. E. Rengel, L. A. Rodriguez*
- **Predicting Reservoir Facies Distribution in the Subsurface: Hodgeman County, Kansas:** J. K. Clayton, M. Totten, A. Raef
- **Foreland Sequence Framework Within and Outside of a Cratonic-Scale Fault System: Preliminary Analysis of the Roles of Tectonics and Eustasy From the Ottawa Embayment, Central Canada:** N. E. Oruche, G. Dix
- **Using Core, Log and Seismic Data to Resolve the Cretaceous Units of the Powder River Basin:** C. Davies, S. Purvis, R. Kenny, J. Fenton
- **Clastic Reservoir Position and Composition Prediction — Application to the Western Gulf of Mexico:** P. van Heiningen
- **Facies and Stratigraphic Interpretation of the Upper Cretaceous Woodbine-Eagle Ford Interval in Leon, Madison, Grimes and Brazos Counties, Texas.:** S. Vallabhaneni



Technical Program Friday

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Friday Morning Technical

Theme 1: Geochemistry and Source Rock Characterization

Co-Chairs: J. Romero and L. Benkovics

- **Introductory Remarks**
- **Control Factors of Organic Matter Sedimentation in a Modern Mud-Rich Turbiditic System: A Sedimentological and Geochemical Approach:** S. Mignard, T. Mulder, P. Martinez, T. Garlan, A. El Albani, F. Baudin
- **Molecular Organic Geochemistry of Crude Oils From Fields in the Albertine Graben, Uganda: Possible Implications on the Expulsion of the Oils From the Source Rock:** J. Lukaye
- **Geochemical Methods Required to Determine the Sources of Oils From Latin American Basins:** M. Moldowan, J. E. Dahl
- **A Comprehensive Geochemical Assessment of the Bakken Formation Shale Within Southern Saskatchewan, Canada:** S. L. Bend, T. Aderoju
- **Source Rock Deposition Controlled by Tectonic Subsidence and Climate in the Western Pearl River Mouth Basin, China Evidence From Organic and Inorganic Geochemistry:** Y. Quan, F. Hao

Theme 8: Pore Pressure Prediction

Co-Chairs: L. Guimarães and A. Naranjo

- **Introductory Remarks**
- **Geological Implications of Overpressure and Fracture Gradients in Deepwater Fold-and-Thrust Belt, Offshore Malaysia:** T. Sato, I. Takahashi, R. Swarbrick, R. Lahann
- **A Comparison of Pore Pressure Profiles in Pattani Basin, Gulf of Thailand:** S. O'Connor, J. Heller, E. Hoskin, P. Thipmongkolsilp.
- **Rock Physics Template and Its Significance in Velocity Model Building and Pore Pressure Prediction:** J. Dai
- **Characteristics and Origin of Overpressure in the Northwest Part of Nanpu Sag:** C. Jia

Theme 2: Salt Tectonics I

Co-Chairs: M. Moreno-Vega and C. Guzofski

- **Introductory Remarks**
- **Megaflaps and Composite Halokinetic Sequences: Different Scales of Drape Folding Adjacent to Salt Diapirs:** M. G. Rowan, K. A. Giles, T. E. Hearon
- **Seismic Stratigraphic Analysis of the Messinian Evaporite Deposits and Their Temporal and Spatial Distribution in the Western Cyprus Arc, Northeastern Mediterranean:** P. Gunes, J. Hall, A. Aksu, G. Cifci
- **Salt Tectonics in the Sivas Basin (Turkey): Outstanding Seismic Analogues:** J. R. Ringenbach, C. Kergaravat, C. Ribes, A. Pichat, E. Legeay, J. Salel, J. Callot
- **Best Practice Structural Modeling and Kinematic Algorithms Used for Geometric and Sequential Restoration in Salt Basins:** F. R. Marks, E. Macaulay, H. Anderson, C. Reilly

Theme 2: Salt Tectonics II

Co-Chairs: M. Moreno-Vega and C. Guzofski

- **Introductory Remarks**
- **Growth Extensional Fault-Related Folds in Salt Basins: A Case Study of the Interplay Between Salt Dynamics and Extension in West Africa:** C. A. Guzofski
- **Application of Salt Tectonics Concepts to Hydrocarbon Exploration in Mexico:** D. J. Allen
- **Regional Structural Variability in the Deepwater Salina del Istmo – Impact on Petroleum Systems:** M. Vallikkat Thachaparambil, N. Herbst, M. Mikhaltsev, M. Smith
- **Structural Evolution and Its Influence on the Deposition of Sediments, Type of Organic Matter and Hydrocarbons Generated in the North Marine Area, Gulf of Paria, Trinidad, West Indies:** C. Archie

Theme 3: Regional and Reservoir Seismic I

Co-Chairs: P. Kahn and M. Arreguin

- **Introductory Remarks**
- **Following Seismic Depth Imaging Technology for the Mexican Oil Industry: Experiences and Lessons Learned:** S. Chávez-Pérez, M. Centeno-Miranda, D. A. Gómez-Reyes, L. Vargas-Meleza
- **Regional Interpretation Across the Entire Gulf of Mexico Basin – A New Perspective:** B. W. Horn, A. Goswami, E. Haire, J. Pindell, B. Radovich, J. Gross
- **Application of Seismic Imaging Techniques and Quantitative Interpretation and Their Impact in Exploration and Hydrocarbon Discoveries, Offshore Southeastern Basin, Mexico:** U. R. del Angel, I. Pereznegrón Zarco, A. Santana Fernández
- **Imaging Challenges in Deep Water Mexico: Advanced Technology Solutions:** A. Alemam, J. Browett, J. Heimbach, E. Medina*, C. Morales, H. Nieto, J. Thekkekkara, S. Yong, J. Zuech
- **Geophysical Basin Modeling: Velocity Modeling for Seismic Imaging in Complex Geology Settings 1:** T. Szydlík, I. Brevik, H. Helgesen, G. De Prisco, S. Clark, O. Leirfall, K. Duffaut, C. Stadler, M. Cogan

Theme 3: Regional and Reservoir Seismic II

Co-Chairs: P. Kahn and M. Arreguin

- **Introductory Remarks**
- **Utilizing Full Waveform Inversion to Improve Reservoir Imaging and Inversion in East Breaks, Gulf of Mexico:** B. Bai, G. Yu, S. Wang
- **Advanced Methods to Build Complex Earth Models for Seismic Modeling:** F. Le Diagon, L. Arechiga Salinas*, E. Serrano Casillas, F. Maya Alcántara
- **Subsalt Velocity Trend and Its Spatial Variation in the Central Gulf of Mexico:** J. Dai, L. Zhang, S. Chen, C. Peng
- **Improved Seismic Imaging of the Sub-Salt Logan Reservoir: Ultra Deep Water Setting in the U.S. Gulf of Mexico:** J. Williams

Technical Program Friday

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Theme 6: Natural Fracture Characterization for Unconventional Reservoirs

Co-Chairs: D. Campagna and S. Sonnenberg

- **Introductory Remarks**
- **Fracture Facies: Static Fracture Distribution Model Based on Sedimentary Facies:** D. Bolaños-Rodríguez, A. Altamira Areyan
- **Signal to Noise Analysis of Densely Sampled Microseismic Data:** B. Artman
- **Ultra-Deep Fractured Tight Sandstone Gas Reservoirs: Characteristics and Quantitative Evaluation of Fractures in the Lower Cretaceous, Keshen Gas Field Tarim Basin, China:** J. Wang, R. Zhang, H. Zhang

Theme 6: New Plays for Unconventionals

Co-Chairs: D. Campagna and D. Jarvie

- **Introductory Remarks**
- **Integrated Analysis of Six Major U.S. Shale Gas Basins and Shale Oil Basins: Work Flow, Geology and Original Resource in Place:** S. W. Tinker
- **Integrated Analysis of Six Major U.S. Shale Gas Basins and Shale Oil Basins: Reserve and Production Scenarios Through 2045:** S. A. Ikonnikova, S. W. Tinker
- **The Asquith Marker and Other Lewis Shale Strata as an Oil and Gas Source Rock, Greater Green River Basin, Wyoming, United States:** L. C. Mayorga-Gonzalez, R. M. Slatt, R. P. Philp
- **Devonian Naturally Fractured Reservoirs:** C. R. D'Arlach
- **A New Frontier Unconventional Play in Northwest Peru: Lancones Basin:** F. Palacios, D. Timoteo, A. Quispe
- **Shale Gas Potential of the Ordovician-Silurian Complex in the Narol Zone (SE Poland):** P. Poprawa

Theme 7: Multidiscipline Studies I

Co-Chairs: W. Meddough and J. Gloria-Lopez

- **Introductory Remarks**
- **Improving Reservoir Production Forecast Accuracy— Application of Lessons Learned From Conventional Reservoirs:** W. Meddough
- **A Precursor to the Mexican Offshore: A Post Well Analysis Multidisciplinary Approach for a More Confident Understanding of a Complex Petroleum System:** E. Smith, D. Little, J. Clarke, B. Torry*, J. Kegel
- **Diagenetic and Rock Physics Depth Trends in the Veracruz Tertiary Basin, Mexico:** J. C. Gloria-Lopez
- **Reservoir Lithology and Fluid Characterization Based on Extended Elastic Impedance Inversion: A Gulf of Mexico Case Study:** T. Hong
- **Structural and Stratigraphic Evolution of the North Marine Area, Gulf of Paria, Trinidad, Since the Pliocene:** C. Archie

Theme 7: Multidiscipline Studies II

Co-Chairs: W. Meddough and J. Gloria-Lopez

- **Introductory Remarks**
- **A New Look at the Petroleum System Within the S-659 Area, Soldado North, Gulf of Paria:** K. Moonan, S. Gazalie*
- **Re-Thinking Reservoirs: The Case of the T2 Sands in the Southern Llanos Basin of Colombia:** J. Gelvez, C. A. Villamizar, A. R. Mora, V. Caballero, F. De La Parra, J. Ortiz, E. Cardozo, A. J. Velasquez
- **Oil Field Water Management in North Kuwait:** A. K. Pathak, S. Zaidi*, A. Sabry
- **Reservoir Characterization of Lower Roabiba Sandstone in FA Field, Bintuni Bay, West Papua, Indonesia:** F. F. Azmalni, A. Purwati, S. Andaryani
- **Key Factors of Oil-Gas Reservoir-Forming in Ordovician Carbonate Reservoirs in Gucheng Uplift, Tarim Basin, Northwest China:** Z. You, S. Anjiang, Z. Xingping, S. Guanmin
- **Carbon and Oxygen Isotopic Compositions, and Palaeoenvironmental Significance of Saline Lacustrine Dolomite From the Qaidam Basin, Western China:** Z. Fan
- **A Robust Depth Conversion Strategy Adds Value and Reduces Uncertainties in a Brown Field Development, Offshore Malaysia:** R. Dandapani, N. Mishra*, C. Onn, M. Sahjamal, S. Rajput, M. Ring, H. Amat

Theme 9: Reservoir Architecture I

Co-Chairs: C. Steffensen and V. Castillo

- **Introductory Remarks**
- **Process Stratigraphy – Physics-Based Stratigraphic Predictions Applied to Sandy-Steep Submarine Fan Deposits. Example of the Youngest Late Pleistocene Lobe in the Golo Submarine Fan System, East Corsica.:** G. Gaillot, D. Hoyal, T. Demko, J. Fedele, M. Perillo, V. Abreu
- **The Stratigraphic Record of Channel-Lobe Transition Zones: A Synthesis of Exhumed Examples From the Karoo Basin, South Africa:** D. Hodgson, M. Hofstra, J. Peakall, S. Flint, C. Stevenson
- **Evolution of the Magdalena Linked Delta-Submarine Fan in a Tectonically Active Setting, Offshore Colombia:** G. A. Romero-Otero, R. M. Slatt, C. Pirmez
- **Dolomite Outcrop Analogues as a Key to Understand the Development of Super-K Layers in a Giant Carbonate Reservoir (Upper Khuff Formation, Middle-East):** F. Gisquet, M. Floquet, B. Caline, A. Virgone, J. Borgomano
- **Sequence Stratigraphic Framework of the Southwestern Part of the Actopan Carbonate Platform, Lower Cretaceous, Hidalgo State, Mexico:** G. Abascal-Hernández, G. Murillo-Muñetón, M. Martini



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Theme 9: Reservoir Architecture II

Co-Chairs: C. Steffensen and V. Castillo

- **Introductory Remarks**
- **Complex Reservoir Architecture As Revealed by Broadband Wide Azimuth 3-D Seismic— Implications for Reservoir Risk In the Deepwater Salina del Istmo Basin, Mexico:** M. Mikhaltsev, M. Vallikkat Thachaparambil, N. Herbst
- **Chemostratigraphy of the Woodford Shale, McAlister Cemetery Quarry, Ardmore Basin, Oklahoma:** I. C. Ekwunife, B. W. Turner, R. M. Slatt
- **Eastern Guyana Shelf Margin Stratigraphic Architecture:** J. Salazar, J. Diez, M. Rajotte, A. Kean, P. Painuly, S. Adrianto, C. Moss
- **Redox Conditions Across the Cambrian-Ordovician Boundary: Elemental and Isotopic Signatures Retained in the GSSP Carbonates — Expansion of the High-Resolution Chemostratigraphic Profile Set of the GSSP Enhanced Global Correlation Tool:** A. Charest Bisnaire, K. Azmy, B. Kendall, S. Stouge, G. Bagnoli
- **Turbidites Characterization From Seismic Stratigraphy Analysis: Application to the Netherlands Offshore F3 Block:** E. J. Illidge, J. Camargo
- **Miocene Ash Beds in The Central Gulf of Mexico: Case Study and Analysis:** M. A. Gutierrez, J. I. Guzman, D. Sawyer
- **An All-scale Analysis of Shale Pore Structure of Continental Shale in Ordos Basin, Northwest China:** D. Chen, X. Pang, F. Jiang, X. Shao, J. Dai

Theme 10: Reservoir Characterization Applications IV

Co-Chairs: G. Carstens and P. Duncan

- **Introductory Remarks**
- **Seismic Interpretation, Well Log Analysis and Structural Geometromeyal Oil Field, Western Potwar, Disttattock, Punjab, Pakistan:** N. Akram
- **Velocity Modeling in Areas of High Structural Complex in the Gulf of Mexico:** J. R. Torres Posadas
- **Multiattribute Analysis to Assist Structural Interpretation: An Example for a Structurally Complex Onshore Oil Field in Eocene Calcareous Conglomerates Veracruz, Mexico:** A. S. Romero Pelaez, K. Marfurt, J. Hernández-Martínez, J. Rueda Rojas
- **Fracture Characterization at Multiple Scales Integrating Geologic, Borehole and Seismic Data in Tight Oil Sandstones:** W. Lyu, L. Zeng, S. Chen, P. Lyu

Theme 10: Acquisition and Processing Innovations

Co-Chairs: M. Le-Vot and H. Salazar

- **Introductory Remarks**
- **The Marine Vibrator JIP:** A. Feltham, J. Mougénot, M. Jenkerson, S. Griswold, A. Cozzens
- **Automated Early-Arrival Travel Time Tomography Using Full-Azimuth, Long-Offset Dual Coil Data in U.S. Deepwater Gulf of Mexico:** J. Tang, Y. Xue, G. Zhu, C. Peng

- **Impact of Innovative Technologies to Hydrocarbon Exploration:** A. Tamez Ponce, M. Vázquez García, R. Rios Cedeño, G. Torres Acuña
- **Subsalt Imaging — Coherent Noise Removal and Steep Dip Enhancement in Support of Subsalt Exploration:** H. Li, Y. Wu*, J. Hutson, B. Koechner, B. Weir, J. Gardner, C. Peng
- **Processing and Interpretation Considerations for Full Waveform Inversion of PSDM Velocity Fields:** A. Rueger, R. Basker
- **Application of Full-Waveform Inversion for Shale Diapirs and Carbonate Rafts in the U.S. Central Gulf of Mexico:** H. Li, W. Kang, J. Hutson, B. Koechner, B. Weir, J. Gardner, C. Peng

Theme 4: US Gulf of Mexico Deepwater Exploration

Co-Chairs: J. Shinol, S. Johnson and J. Veldkamp

- **Introductory Remarks**
- **Shell's Pursuit of Deepwater Norphlet Play Yields Continued Success:** P. Jackson, C. Gibson
- **Temporal and Spatial Evolution of Reservoirs, Northern Deep-Water Gulf of Mexico:** P. Weimer, E. Zimmerman, R. Bouroullec, H. Hersh, B. Snyder
- **Temporal and Spatial Evolution of Traps, Northern Deep-Water Gulf of Mexico:** P. Weimer, R. Bouroullec, E. Zimmerman, H. Pettingill
- **The Inboard Lower Tertiary Play — U.S. GOM Deepwater:** K. F. Inman, J. Shinol, B. Delph

Friday Morning Poster 09:00-12:00

Poster presenters in their booth 10:00-11:30

Theme 5: Non-Seismic Methods

Co-Chairs: E. Mendez and A. Price

- **Low-Cost Non-Seismic Methods for Oil & Gas Exploration:** M. Inoubli, O. Abidi
- **Density Mapping Technology — A New Geophysical Method for Density Contrast Exploration in the Crust:** J. Cerny, L. Sokol, T. Marhansky, M. Pospisil, V. Vatr
- **Detectability Enhancement Toward High Resistive Target With Synthetic Aperture Source for 3-D Marine CSEM Data Modeling at the Rugged Seafloor:** C. Ma, J. Shen, Y. Gao
- **Regional Groundwater Studies Using Aeromagnetic Technique:** E. S. Joel
- **Successful Applications of SEM-based Formation Evaluations While Drilling:** Y. Yao
- **A Variable Speed Drive Designed to Reduce Operating Expenditure and Maximizing Oil Production in Electrical Submersible Pump Applications: Case History in Ecopetrol :** A. Diaz, P.C. Aguinaga, N.H. Devia Orjuela, C.A. Gonzalez Artunduga, L.A. Matheus
- **Non Seismic Geophysical Applications-Gravity Method:** T. Bawa

Technical Program Friday

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Theme 9: Clastic and Carbonate Diagenesis

Chair: C. Steffensen

- Carbonate Reservoir Within the Ordovician in the Dongpu Area, Bohai Bay Basin, Eastern China: Diagenesis and Diagenetic Evolution: J. Xiao, H. Ji, F. Yang, C. Fang, N. Hua, H. Li
- A Sequence Stratigraphy-Based Diagenetic Study With the Sha-3 Member Sandstones in the Central-South Parts of the Raoyang Depression as an Example: K. Zhang
- Impact of Dolomitization and Solid Bitumen on the Lower Triassic Shoal Reservoir, in Tieshan Gas Field, Northeastern Sichuan Basin, Southwest China: J. Li
- The Genetic Mechanism of Lower Cretaceous Red Beds in North Yellow Sea Basin: R. Wang, W. Shi

Theme 9: Clastic and Carbonate Reservoir Prediction and Characterization II

Chair: C. Bartoloni

- Using Analogue Hypogene Karst Systems to Understand the Pre-Sal Carbonate Reservoirs Offshore Brazil: C. L. Cazarin, F. H. Bezerra, R. d. Ennes-Silva, F. Balsamo, A. S. Auler
- 3-D Seismic Attributes and Lithofacies Analysis: The Morrison Northeast Field and Morrison Field, Clark County, Kansas: A. Vohs, A. Linares, A. Raef, M. Totten
- Exploring the Thin Talangakar Formation Sandstone Using Integrated Seismic Multi-Attribute Analysis and Spectral Decomposition in Kuang Area, South Sumatra Basin: N. C. Wibowo
- Stratigraphy, Seismic Characteristics, and Reservoir Properties of the Desmoinesian Granite Wash, Buffalo Wallow Field Area, Anadarko Basin, Texas: D. E. Senoglu, M. Pranter, R. M. Slatt, K. Marfurt
- Stratigraphic Architecture and Depositional Environments of A Mud-Rich, Fine-Grained Early Foreland Basin Source-to-Sink System: Pennsylvanian Atoka Formation in Arkansas: P. Hou, L. Wood

- Characterization of the Negative Carbon Isotope Shift in Segment C2 of the Organyà Basin, El Pui Section, Spain; a Potentially Useful Chemostratigraphic Marker Prior to OM-Rich Interval Associated With Oceanic Anoxic Event 1a (OAE 1a): J. Socorro, F. J-M. R. Maurrasse, Y. Sanchez-Hernandez
- Stratigraphic/Sedimentological Analysis of Two Major Marine Transgressions During Cretaceous Time in the Actopan Platform, Hidalgo State, Mexico: J. M. León-Francisco, G. Murillo-Muñetón, S. Franco-Navarrete
- Facies Description, Depositional Environment and Petroleum Potential of the Lyons Sandstone, Colorado Front Range and Northeastern Denver Basin: O. Kendigelen, S. Egenhoff
- Exhumation of a Proximal Foredeep and Associated Thrust Belt Evidenced by Porosity Versus Depth Trends: the Upper Cretaceous Vivian Sandstones in Western Marañón Basin (Perú): O. R. Lopez-Gamundi, C. Lopez-Gamundi
- Clastic Reservoir Position and Composition Prediction – Application to the Western Gulf of Mexico: P. van Heiningen

Theme 9: Reservoir Architecture

Chair: V. Castillo

- Effect of Pore Structure on Methane Sorption Capacity of Shales: S. Liu, S. He, Y. Gao
- Geochemical Characteristics of Eocene Dolomite in the Saline Lacustrine Basin, Qiadam, China: Z. Fan
- Depocenter Migration From the Identification of Genetic Sequences in the Senoian to Paleocene in the Southeast of Santos Basin: A. Henao



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Thursday, 8 September	09:00–18:30	Exhibition
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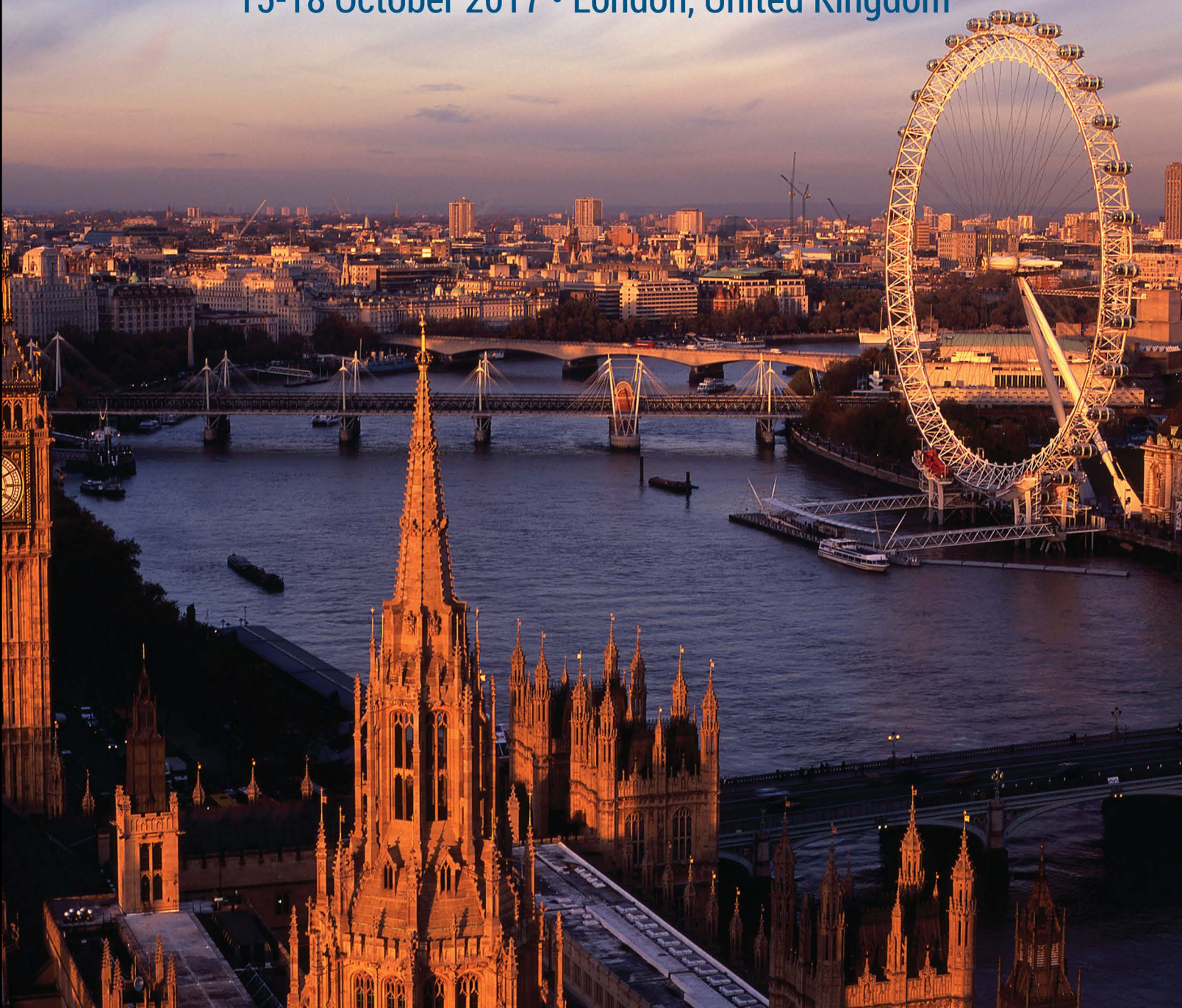
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