

AAPG

ACE 2019

ANNUAL CONVENTION & EXHIBITION

Incorporating the SEPM Annual Meeting

19-22 MAY | SAN ANTONIO, TEXAS

PROGRAM BOOK

SPONSORED BY:

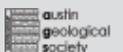
أرامكو السعودية
saudi aramco



DOWNLOAD THE AAPG EVENTS APP!



IN CONJUNCTION WITH:



أرامكو السعودية
saudi aramco



explore our opportunities

We are recruiting experienced geoscience professionals to work in Saudi Arabia.

Working overseas with us comes with opportunities to make meaningful contributions to innovative and unique projects, while experiencing the friendships, cultural enrichment and other perks of expatriate living.

Visit us at booth #537 to learn more or apply online at www.aramco.jobs/aagg



where energy is opportunity

TABLE OF CONTENTS

▶ GENERAL INFORMATION

ACE Service Center	13
Code of Conduct	13
Business Center	13
Wi-Fi Hot Spot	13
Luggage Check	13
Lost and Found	13
No Smoking	13
How to Get Around	13
Safety and Security	13
Hotel Listing	13
Schedule at a Glance	14

▶ HIGHLIGHTS

Step Changes in Petroleum Geology: Historical Challenges and Technological Breakthroughs	18
AAPG/AAPG Foundation Imperial Barrel Award (IBA) Ceremony	18
Opening Session and Awards Ceremony	18
Discovery Thinking Forum – “Pioneering Discoveries” Driving Prosperity	18
Michel T. Halbouty Lecture: The Future of Oil and Gas Exploration	19
SEPM Research Symposium: A Look Into the Future of Energy and Sustainability Using the Sedimentary Record	20
The Big Crew Change: Passing the Baton and Challenges Awaiting Mid-Career Geoscientists	20
DEG Special Session: Environmental Impact and Sustainability	21
Applied Ichnology Session: In Honor of Dr. S. George Pemberton Ph.D., P.Geol., F.R.S.C.	21
Special Session on Salt Tectonics: A Community Tribute to Martin P. A. Jackson	22
Data Science Revolution – A Sign of the Times	23
Business and Finance: Where the Subsurface and the Commercial Combine to Create Value!	23

▶ NETWORKING AND EVENTS

Luncheons	25
U-Pitch	27
Networking Opportunities	28
Career Center	28
Students	29
Young Professionals	29
SEPM Annual Meeting	30
Exhibition Highlights	31
International Pavilion	32
Social Activity	33
Guest Program	34
Short Courses	36
Field Trips	38

▶ TECHNICAL PROGRAM

Theme Chairs	42
Oral Sessions at a Glance	44
Poster Sessions at a Glance	44
Technical Program Sunday	46
Technical Program Monday	47
Technical Program Tuesday	64
Technical Program Wednesday	78
Presenter Cross Reference	89

▶ ROOM ASSIGNMENTS AND FLOOR PLANS

Room Assignments	113
Committee Business Meetings	114
Convention Center Floor Plans	116
Grand Hyatt San Antonio Floor Plan	117

▶ EXHIBITION INFORMATION

Exhibition Floor Plan	119
Exhibitors	120
Exhibitor Directory	122
Exhibitor Products and Services	139



THANK YOU SPONSORS

DIAMOND



Registration, Student and Faculty Lounge, AAPG HoD/PROWESS/DEG Networking Reception, SEPM Short Course #6, SEPM Field Trip #1



equinor

Attendee Bags, Tuesday Coffee Break, Icebreaker Reception, Technical Session Signage

ExxonMobil

Student Participation in Field Trips and Short Courses, AAPG/SEPM Student Reception, SEPM General Sponsor

أرامكو السعودية
saudi aramco



Program Book, Smartphone/Mobile App, Poster Sessions



Student Awards - Best Papers for Oral and Poster Presentations, Technical Program Notepads, AAPG Student Chapter YouTube Competition, Young Professionals Reception

TITANIUM



Poster Sessions, Technical Abstracts- Proceedings Online



Smartphone/Mobile App



Aisle Signage



Wi-Fi Hot Spot, Student Volunteers, Student Participation in Field Trips and Short Courses, AAPG HoD/PROWESS/DEG Networking Reception

Schlumberger

AAPG HoD/PROWESS/DEG Networking Reception, Outstanding Student Chapter Awards, General Fund

PLATINUM

BHP

Directional Signage

noble energy

Student Volunteers, Student Participation in Field Trips and Short Courses, Student Attendance, Young Professionals Field Trip

PIONEER
NATURAL RESOURCES

Lanyards, Petroleum Structure & Geomechanics Division (PSGD)



General fund

SM
ENERGY

Audio Visual

TGS

Attendee Bags

TOTAL

Technical Session Signage

GOLD



Poster Sessions



General Fund

SILVER



Young Professionals Meet & Greet



General Fund, AAPG Twitter Tweet

BRONZE



General Fund



End-of-Day Reception Bar



General Fund



End-of-Day Reception Keg



General Fund



General Fund



Division of Environmental Geosciences (DEG)



General Fund

INTERNATIONAL PAVILION



Corporate Level



Corporate Level



Corporate Level



Corporate Level



Corporate Level



Corporate Level



Gold Level



Gold Level



Gold Level



Silver Level



Silver Level



Bronze Level

PATRON



General Fund



Young Professionals Field Trip



General Fund

MEDIA & SUPPORTING ORGANIZATIONS



WELCOME LETTER FROM THE GENERAL CO-CHAIRS

On behalf of the American Association of Petroleum Geologists (AAPG), its divisions, the Society of Sedimentary Geology (SEPM), the host societies—the South Texas Geological Society (STGS) and the Austin Geological Society (AGS), and the Organizing Committee, it is our pleasure to welcome you to the Henry B. Gonzalez Convention Center in San Antonio for the AAPG 2019 Annual Convention and Exhibition (ACE)—*A Sustainable Future*.

San Antonio is a historic city rich in culture and diversity, all of which are readily on display. We have many trips and excursions offered to share these local gems with you and your guests, so be sure to take advantage. At the same time, San Antonio is at the doorstep of one of the busiest and most prolific oil and gas producing provinces in the country. At the edge of the beautiful Texas Hill Country, uniquely positioned between the outcrops of world-class reservoirs and the basin where those formations produce, San Antonio makes for a fantastic industry crossroad and a near-perfect setting for the technical program this convention seeks to deliver.

Our program is fully aligned with the conference theme, *A Sustainable Future*, offering a healthy combination of topics that are relevant to those of us who have the responsibility of finding and producing the hydrocarbons that are needed to fuel our society, as well as introducing a series of topics that will challenge us to incorporate technological advances into our workflows, business considerations into our thinking, and commitment to the good stewardship of our planet.

In addition to the technical program, you will have access to interesting luncheons and forums including, The Big Crew Change: Passing the Baton and Challenges Awaiting Mid-Career Geoscientists, on Tuesday afternoon where a diverse and energetic group of panelists and moderators will be sharing their experiences and views regarding the state of our industry. Our luncheons this year are also something not to be missed, from the All-Convention Luncheon on Driving Sustainability Innovation with Open Data and Cloud Technology for O&G Applications with Arno van den Haak (AWS) to the DEG/EMD Luncheon on the Global Energy Transition—An Uncertain Outcome Driven by Developments in Policy, Technology, and Behavior with Eirik Wærness (Equinor). Take full advantage of these events and bring a voice to ask questions and interact with these great panelists and presenters.

We are extremely proud of this program and we want to thank the effort and dedication of the ACE 2019 Organizing Committee, including theme and session chairs, reviewers and all of you who will be presenting technical work during this week. Our hope is that you are able to take full advantage of the convention and the city. Thank you again for joining us in San Antonio this week. Stay safe, learn, network, conduct business but also have fun!



LORENA MOSCARDELLI AND EDWARD VALEK

General Co-Chairs

AAPG 2019 Annual Convention and Exhibition

Handwritten signatures of Lorena Moscardelli and Edward Valek in white ink.



AAPG

Advancing the World of Petroleum Geosciences

Be Part of Something Special Join AAPG Today



You will receive:

- AAPG Explorer Magazine
- AAPG Bulletin Journal
- Discounts on Events
- Opportunities to Network with Peers
- Certification Opportunities to Advance Your Career
- Career Services
- And so much more...

Become part of the world's premier professional association for explorationists, with about 30,000 members from 125 countries. From students to young professionals, career geoscientists and academicians, there's never been a better time to join AAPG.

AAPG.org

American Association of Petroleum Geologists (AAPG)



Denise Cox
President
(2018-19)



J. Michael Party
President-Elect
(2018-19)



David R. Cook
Vice President, Regions
(2017-19)



Jeff Aldrich
Vice President, Sections
(2018-20)



Laura Johnson
Secretary
(2017-19)



Richard W. Ball
Treasurer
(2018-20)



Barry J. Katz
Editor
(2016-19)



William S. Houston
House of Delegates
Chair (2018-19)

Society for Sedimentary Geology (SEPM)



Lynn Soreghan
President

Michael Blum, President-Elect
Kevin Bohacs, Secretary Treasurer
Emese Bordy, International Councilor
Murray Gingras, Councilor for Paleontology
Zane Jobe, Councilor for Sedimentology
Cari Johnson, Councilor for Research Activities
Jeremy Krimmel, Web and Technology Councilor
Dawn Jobe, Early Career Councilor
Kristina Butler, Student Councilor
Gary Hampson, Co-Editor, JSR
Peter Burgess, Co-Editor, JSR
Martin Zuschin, Co-Editor, PALAIOS
Paddy Orr, Co-Editor, PALAIOS
John-Paul Zonneveld, Editor, Special Publications
Rick Sarg, President, SEPM Foundation

Austin Geological Society (AGS)



Christian Dohse
President

Will Boettner, Past President
Brent Elliot, President-Elect
Saj Zappitello, Vice-President
Evan Strickland, Secretary
Peter Pope, Treasurer

South Texas Geological Society (STGS)



Tom Fett PE
President

Allen Clark, Past President
David Clay, President-Elect
Tyler Quade, Vice President
Kathryn Branley, Secretary
Bradley Arnett, Treasurer

Division of Environmental Geosciences (DEG)



Mary L. Barrett
President

Stephen M. Testa, Past President
Francois C. Marechal, President-Elect
Dan Willis Jackson, Vice President
Skyler Smith, Secretary Treasurer
Olga Popova, Editor

Energy Minerals Division (EMD)



Wayne Kenneth Camp
President

Douglas Everett Wyatt Jr., Past President
Edith Newton Wilson, President-Elect
Robert James Coskey, Vice President
David Barnes, Secretary Treasurer

Division of Professional Affairs (DPA)



Mark Joseph Gallagher
President

James Michael Hill, Past President
John E. Jordan Jr., President-Elect
Meredith Faber, Vice President
Margaret (Peggy) Williams, Secretary
Douglas Vincent Davis Jr., Treasurer

Petroleum Structure and Geomechanics Division (PSGD)



Greg Schoenborn
President

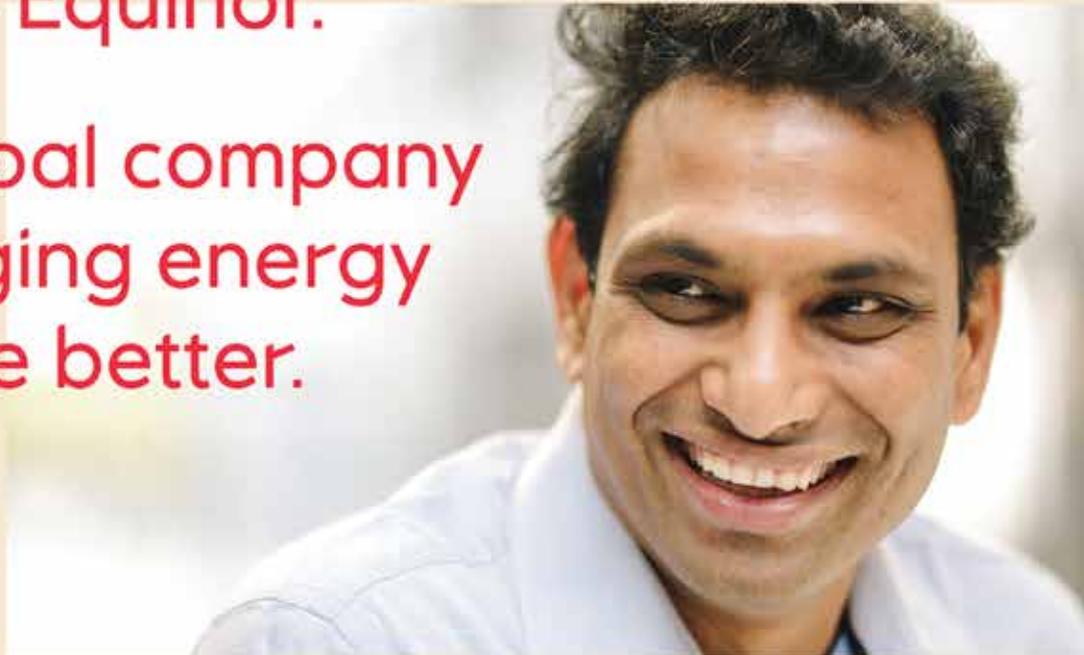
David A. Ferrill, Past President
Peter Hill Hennings, Past President
David Elias Haddad, Communications Director
Gary Douglas Couples, Committee Member
Robert D. Hatcher, Jr., Committee Member
Robert W. Krantz, Committee Member
Orlando J. Ortega, Committee Member
William Sassi, Committee Member
Susan Nash, Staff Liaison



equinor

Nice to meet you.
We're Equinor.

A global company
changing energy
for the better.



Equinor is an international energy company with a proud history. Formerly Statoil, we are 20,000 committed colleagues developing oil, gas, wind and solar energy in more than 30 countries worldwide. We're the largest operator in Norway, among the world's largest offshore operators, and a growing force in renewables.

Driven by our Nordic urge to explore beyond the horizon, and our dedication to safety, equality and sustainability, we're building a global business on our values and the energy needs of the future.

[Learn more at equinor.com](https://www.equinor.com)



ORGANIZING COMMITTEE



Lorena Moscardelli
General Co-Chair
Equinor



Edward Valek
General Co-Chair
EOG Resources



Thomas E. Ewing
General Vice Co-Chair
*Frontera Exploration
Consultants*



Dallas B. Dunlap
General Vice Co-Chair
*Bureau of Economic Geology,
Jackson School of Geosciences,
The University of Texas at Austin*



Peter Hennings
Technical Program Chair
*Bureau of Economic Geology,
Jackson School of Geosciences,
The University of Texas at Austin*



Chris Zahm
Technical Program Vice Chair
*Bureau of Economic Geology,
Jackson School of Geosciences,
The University of Texas at Austin*



Matthew Boyce
Sponsorship Chair
Epoch Consulting LLC



Andrea Fildani
SEPM Vice Chair
Equinor



Jacob Covault
SEPM Vice Chair
*Bureau of Economic Geology,
Jackson School of Geosciences,
The University of Texas at Austin*



Kiara Gomez
SEPM Vice Chair
*Jackson School of Geosciences,
The University of Texas
at Austin*



Caleb Pollock
PSGD Vice Chair
Pioneer Natural Resources



Mary Barrett
DEG Vice Chair
Centenary



Ursula Hammes
EMD Vice Chair
*Hammes Energy & Consultants and
Texas A&M University, Department
of Geosciences*



Mark Norville
DPA Vice Chair
BlackBrush Oil & Gas, L.P.



Xavier Janson
Field Trip Chair - SEPM Field Trip
Chair - Short Course Chair
*Bureau of Economic Geology,
Jackson School of Geosciences,
The University of Texas at Austin*



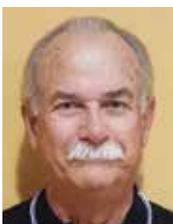
Jonathan Funk
AAPG Field Trip Co-Chair
EOG Resources



J. Alexandra (Ali) Sloan
AAPG Field Trip Co-Chair
Parsley Energy



Zoltan Sylvester
SEPM Short Course Chair
*Bureau of Economic Geology,
Jackson School of Geosciences,
The University of Texas at Austin*



Howard Harper
SEPM Liaison
Society for Sedimentary Geology



Cher Hawkins
Guest Program Chair



Rachelle Kernen
Student Volunteer Chair
University of Texas at El Paso

Join today!



SOCIETY OF EXPLORATION
— G E O P H Y S I C I S T S —

Connecting the world of applied geophysics

Поринь у світ прикладної геофізики

応用地球物理学の世界を結ぶ

Conectando o Mundo da Geofísica Aplicada

Die Welt der angewandten Geophysik verbinden

探索应用地球物理学的世界

Connectons le Monde de la Géophysique appliquée

Соединяя мир прикладной геофізики

Conectando el Mundo de la Geofísica Aplicada

ربط عالم الجيوفيزياء التطبيقية

seg.org/join



COMMITTED TO SMART IDEAS

Leading in the deep offshore
through successful innovation



#MakeThingsBetter
total.com



TOTAL

Committed to Better Energy

ACE Service Center – Presenters, Judges, and Student Volunteers

Location: Room 212

Hours:

Sunday	10:00 am–6:30 pm
Monday	7:00 am–5:30 pm
Tuesday	7:00 am–5:30 pm
Wednesday	7:00 am–5:30 pm

Check-in and assistance for presenters, judges, and student volunteers can be found at the ACE Service Center.

- Oral presenters should visit the Service Center the day prior to their presentation to upload their slides and ensure they appear correctly. Technical support will be available.
- Student volunteers who signed up during the registration process should check in at the Service Center at least fifteen minutes before their scheduled shift begins.
- Judges for both oral and poster sessions can visit the Service Center at any time to pick up scorecards for their assigned sessions. If you haven't yet signed up to judge, it's not too late – we are always looking for more judges! Stop by the Service Center to choose your session.

Code of Conduct

The American Association of Petroleum Geologists Annual Convention and Exhibition (ACE) is conducted for the benefit of its members and interested parties to advance the science of geology, promote technology, and facilitate networking and collaboration between professionals within the world's geosciences community.

AAPG values the participation of its members and guests and wants all ACE attendees to have an enjoyable and fulfilling experience. Accordingly, AAPG is dedicated to providing a harassment-free convention experience for everyone, regardless of gender, sexual orientation, disability, physical appearance, body size, race, or religion. We do not tolerate harassment of convention participants in any form. All attendees are expected to show respect and courtesy to other attendees throughout the convention and at all convention events, whether officially sponsored by AAPG or not.

If a participant engages in behavior that violates this code of conduct, AAPG reserves the right to take any action deemed appropriate, including warning the offender(s) or expelling the offender(s) from the convention with no refund.

AAPG's complete ACE anti-harassment policy can be found at ACE.AAPG.org.

If you have any questions or concerns, please notify a badged AAPG Show Management staff member or call 1 800 898 2274.

Business Center

Days and Times:

Monday–Friday	8:00 am–6:30 pm
Saturday	9:00 am–5:00 pm

Location: Near Main Lobby Entrance

The UPS Store
 200 E. Market Street, Suite 101
 Phone: +1 210 258 8950
 Fax: +1 210 258 8951
 Email: store4180@theupsstore.com
 Website: www.theupsstorelocal.com/4180

Wi-Fi Hot Spot

Location: Exhibit Hall, Booth #1319
 For your convenience the ConocoPhillips Wi-Fi Hot Spot is available in the Exhibit Hall during open hours. Come relax, check your email and stay connected at ACE. Login: ACE19 Password: CONOCOPHILLIPS

Luggage Check

Day: Wednesday
Hours: 7:30 am–5:30 pm
Location: Main Lobby

A luggage check is available at a cost of \$2.00 per item checked.

Lost and Found

Location: Registration (Main Lobby)
 Items found during the convention should be turned in to Main Registration. If you lose an item, check with Registration. If your item has not been turned in, you may leave information on how to contact you should the item be found.

No Smoking Policy

Smoking is prohibited at the Henry B. Gonzalez Convention Center.

How to Get Around

VIA Metropolitan Transit is San Antonio's public transportation agency offering service throughout the city including streetcar service within the downtown area.

Once in the downtown area, VIA's streetcar service offers stops to or near most hotels, restaurants, the convention center and many visitors' hot spots. For added convenience, VIA offers a \$4 Day Pass for purchase online and in advance of your trip. A Day Pass is good for unlimited rides on all regular bus and streetcar services for the one day indicated on the pass. The Day Pass will be activated the first time boarding the bus or streetcar. For more details, visit www.viainfo.net.

Convention Center Parking

The Henry B. Gonzalez Convention Center offers several convenient near-by parking options. Rates, locations, and additional information can be found at ACE.AAPG.org.

1. Grand Hyatt Parking Garage
2. Convention Center Garage
3. Convention Center South Parking
4. Riverbend Garage
5. Tower of the Americas Parking
6. Shops at the River Center – Commerce
7. Shops at River Center – Crockett

Safety and Security

First Aid

Location: Room H3-02 (Exhibit Hall 3/under Southwest Escalators)

Hours:

Saturday	8:00 am–8:00 pm
Sunday	7:00 am–8:00 pm
Monday	7:00 am–8:00 pm
Tuesday	7:00 am–8:00 pm
Wednesday	7:00 am–5:00 pm

Security and Emergencies

Report any security or emergency issues to one of the following:

- Security Personnel located at the Exhibit Hall Entrance
- AAPG Show Management at Main Registration
- Kendra McColloch at +1 918 284 5451

Badge Reminder

Badges must be worn at all times while attending the convention inside the Henry B. Gonzalez Convention Center and the Grand Hyatt San Antonio.

Hotel Listing

Grand Hyatt San Antonio (AAPG Headquarters)
 600 E. Market St. San Antonio, Texas 78205 | +1 210 224 1234

San Antonio Marriott Riverwalk (SEPM Headquarters)
 889 E. Market St. San Antonio, Texas 78205 | +1 210 224 4555

Hilton Palacio del Rio
 200 S. Alamo St. San Antonio, Texas 78205 | +1 210 222 1400

SCHEDULE AT A GLANCE (Download the AAPG Events App for the latest updates)

All events take place at the Henry B. Gonzalez Convention Center unless otherwise noted.

Friday

9:00 am–6:00 pm Satellite Registration (Grand Hyatt San Antonio)
1:00 pm–5:00 pm Registration

Saturday

8:00 am–5:00 pm Registration
8:00 am–6:00 pm Satellite Registration (Grand Hyatt San Antonio)
6:00 pm–7:30 pm AAPG HoD/PROWESS/DEG Networking Reception (Grand Hyatt San Antonio)

Sunday

7:00 am–6:00 pm Satellite Registration (Grand Hyatt San Antonio)
8:00 am–7:00 pm Registration
11:35 am–2:40 pm Step Changes in Petroleum Geology: Historical Challenges and Technological Breakthroughs
2:00 pm–3:00 pm Young Professionals Meet & Greet
3:00 pm–3:30 pm AAPG/AAPG Foundation Imperial Barrel Award (IBA) Ceremony
4:00 pm–5:00 pm Opening Session and Awards Ceremony
5:00 pm–7:30 pm Exhibition and Icebreaker Reception

Monday

7:00 am–1:00 pm Satellite Registration (Grand Hyatt San Antonio)
7:00 am–5:30 pm Registration
8:00 am–3:00 pm Guest Hospitality Suite (Grand Hyatt San Antonio)
8:00 am–1:50 pm Oral Sessions (Morning)
9:00 am–12:00 pm Poster Sessions (Morning)
8:30 am–5:00 pm Career Center
9:00 am–6:00 pm Exhibition
9:00 am–6:00 pm Student and Faculty Lounge
9:15 am–10:15 am Refreshment Break
10:00 am–2:30 pm Guest Tour: Grand Historic City Tour
10:00 am–5:00 pm Guest Tour: Texas Hill Country
11:30 am–1:15 pm All-Convention Luncheon
1:15 pm–5:05 pm Oral Sessions (Afternoon)
1:15 pm–5:05 pm Discovery Thinking Forum
1:30 pm–5:00 pm International Pavilion Theatre
1:30 pm–5:00 pm Poster Sessions (Afternoon)
2:30 pm–3:30 pm Refreshment Break
4:00 pm–6:00 pm Student Career Seminar (Grand Hyatt San Antonio)
5:00 pm–6:00 pm End-of-Day Reception
5:00 pm–6:00 pm International Pavilion Open House Reception
5:10 pm–6:00 pm Michel T. Halbouty Lecture
5:30 pm–7:30 pm All-Alumni Reception (Grand Hyatt San Antonio)
6:00 pm–8:00 pm AAPG/SEPM Student Reception (Grand Hyatt San Antonio)
7:00 pm–10:00 pm SEPM Research Group Meetings and Reception (Marriott Riverwalk)

Tuesday

7:30 am–5:30 pm Registration
8:00 am–11:50 am SEPM Research Symposium
8:00 am–3:00 pm Guest Hospitality Suite (Grand Hyatt San Antonio)
8:00 am–11:50 am Oral Sessions (Morning)
9:00 am–12:00 pm Poster Sessions (Morning)
8:30 am–5:00 pm Career Center
9:00 am–2:00 pm Guest Tour: Historic Pearl Brewery
9:00 am–3:00 pm Guest Tour: Gruene Historic District
9:00 am–6:00 pm Exhibition
9:00 am–6:00 pm Student and Faculty Lounge
9:15 am–10:15 am Refreshment Break
9:30 am–5:00 pm International Pavilion Theatre
11:30 am–1:00 pm DPA Luncheon: Re-Inventing Yourself to Stay Relevant in an Ever-Changing Geoscience Technical Climate
12:00 pm–1:00 pm SEPM Business Meeting Luncheon: Seismic Geomorphology – From the Earth's Ocean Depths to the Distal Planets, A Revolution in Reconstructing Landscape Form and Processes
1:15 pm–2:40 pm The Big Crew Change: Passing the Baton and Challenges Awaiting Mid-Career Geoscientists
1:15 pm–5:05 pm SEPM Research Symposium
11:15 am–5:05 pm Oral Sessions (Afternoon)
1:30 pm–5:00 pm Poster Sessions (Afternoon)
2:30 pm–3:30 pm Refreshment Break
3:20 pm–5:05 pm DEG Special Session: Environmental Impact and Sustainability
5:00 pm–6:00 pm End-of-Day Reception
6:00 pm–9:30 pm Social Activity: San Antonio Charreada
7:00 pm–9:00 pm SEPM President's Reception and Awards Ceremony (Marriott Riverwalk)

Wednesday

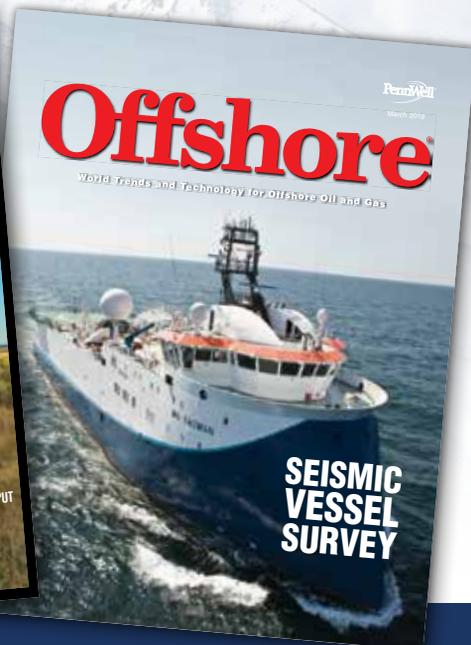
7:30 am–1:00 pm Registration
8:00 am–12:00 pm Guest Hospitality Suite (Grand Hyatt San Antonio)
8:00 am–11:50 am Applied Ichnology Session
8:00 am–11:50 am Oral Sessions (Morning)
9:00 am–12:00 pm Poster Sessions (Morning)
8:30 am–12:00 pm Guest Tour: San Antonio Shoe Factory
8:30 am–2:00 pm Career Center
9:00 am–1:00 pm Guest Tour: Spanish Missions
9:00 am–2:00 pm Exhibition
9:00 am–2:00 pm Student and Faculty Lounge
9:15 am–10:15 am Refreshment Break
9:30 am–11:30 am International Pavilion Theatre
11:30 am–1:00 pm DEG/EMD Luncheon: Global Energy Transition—An Uncertain Outcome Driven by Developments in Policy, Technology, and Behavior
1:15 pm–5:05 pm Oral Sessions (Afternoon)

Short Course and Field Trip information can be found on pages 36 and 38.

TAKING B2B MEDIA TO NEW HEIGHTS

Oil & Gas Journal and Offshore magazine
are now part of Endeavor Business Media

Learn more at EndeavorBusinessMedia.com



**OIL & GAS
JOURNAL**

Offshore





Highlights

Step Changes in Petroleum Geology:
Historical Challenges and Technological
Breakthroughs

AAPG/AAPG Foundation Imperial
Barrel Award (IBA) Ceremony

Opening Session and
Awards Ceremony

Discovery Thinking Forum

Michel T. Halbouty Lecture

SEPM Research Symposium

The Big Crew Change: Passing the
Baton and Challenges Awaiting
Mid-Career Geoscientists

DEG Special Session

Applied Ichnology Session

Special Session on Salt Tectonics

Data Science Revolution –
A Sign of the Times

Business and Finance: Where the
Subsurface and the Commercial
Combine to Create Value!

Step Changes in Petroleum Geology: Historical Challenges and Technological Breakthroughs

Day: Sunday
Time: 11:35 am–2:40 pm
Location: Room 217 D
Fee: Included with registration
Co-Chairs: A. Haddad and M. Silverman

The History of Petroleum Geology Committee will again hold its annual forum in a special session of high-quality papers. We will explore technological advances that have been integral to discovering and developing conventional and unconventional fields.

Alan Burnham will lead off the session with a discussion of politics and geology in Livermore, California. He'll be followed by Kenneth Peters, speaking on the transformation the industry experienced at the advent of computerized petroleum systems models.

Frances Hein will review the contributions of the Alberta Geological Survey. Next up, Ray Sorenson will speak on the beginnings of unconventional shale plays. Kim Senger's paper will give a history perspective on exploration in Norway. Then, Drielli Peyerl will tell the stories of two key geologists in Brazil.

Paul Markwick will present the impact paleogeographic maps have had on exploration. Paul's talk will be followed by Douglas Carlson who will review the major trends in the AAPG over the last 100 years. Finally, Jean-Sebastian Marcil will take us through the unique exploration history of the Gaspé basin.

This promises to be a memorable session full of fine examples of challenges petroleum geology has faced by making step changes in technology.

The purpose of the History of Petroleum Geology Committee is to preserve and promote the history and heritage of the evolution of geological concepts and technologies used in the search for oil and gas worldwide and honor the memory of the men and women who moved history forward.

AAPG/AAPG Foundation Imperial Barrel Award (IBA) Ceremony

Day: Sunday
Time: 3:00 pm–3:30 pm
Location: Hemisfair Ballroom 2/3
Fee: Included with registration

Join the excitement and make sure to attend as the winners of this year's global AAPG/AAPG Foundation Imperial Barrel Award competition will be announced in a thrilling awards ceremony that is open for all to attend – giving you the chance to experience it in person. It's also a great way to start your ACE 2019 experience, as the awards presentation will take place just prior to the convention's Opening Session and Awards Ceremony. Come a bit early and be part of the excitement.

The AAPG/AAPG Foundation IBA program is an annual competition in evaluating prospective basins, featuring teams of the top geoscience graduate students from around the world – all of whom have qualified for the finals by first winning IBA Region and

Section competitions. The fast-moving presentation will include an introduction of the IBA program and all the teams who made it to the finals and recognition of the many generous sponsors who make the program possible. It all leads to the grand finale – the announcement of this year's winning teams. Come help us celebrate the accomplishments of these hard-working students – and see which teams win scholarship funds for their geosciences departments and applaud the school that leaves San Antonio with the title of IBA champion.

Opening Session and Awards Ceremony

Day: Sunday
Time: 4:00 pm–5:00 pm
Location: Hemisfair Ballroom 2/3
Fee: Included with registration

One of the grand traditions of the AAPG Annual Convention and Exhibition, the Opening Session and Awards Ceremony is a highlight of every ACE. This year, General Co-Chairs Lorena Moscardelli from Equinor's Research Center in Austin and Eddie Valek from EOG Resources in San Antonio will be opening the meeting with an overview of the exciting additions to the technical program and the many attractions that San Antonio has to offer to ACE attendees. Both Lorena and Eddie are enthusiastic supporters of AAPG in the region and well-known members of the Geoscience community in Texas and beyond.

Following Lorena and Eddie, AAPG President Denise Cox will deliver her presidential address to the membership focusing on the theme of the convention "A Sustainable Future." David Cook, AAPG Vice President-Regions, will be at the podium to honor the best of AAPG during the fast-moving, colorful, and entertaining annual awards ceremony.

Discovery Thinking Forum – "Pioneering Discoveries" Driving Prosperity

Day: Monday
Time: 1:15 pm–5:05 pm
Location: Hemisfair Ballroom 1
Fee: Included with registration
Chair: C. Sternbach

The "Discovery Thinking" Forum will be the twenty-first presentation of the AAPG 100th Anniversary Committee's program recognizing "100 Who Made a Difference." These Forums, co-sponsored by AAPG's Division of Professional Affairs (DPA), will feature invited speakers who will describe major and significant discoveries. We are pleased to announce this Forum will continue at San Antonio ACE 2019 with four very notable discovery presentations.

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

“art of exploration.” As always, the audience is fortunate to hear the speakers share abundant technical data and insights derived from costly and hard-won experience.

AAPG offers many technical sessions. “Discovery Thinking” forums fill an important gap in how technical and professional skills combine to turn prospects into discoveries. 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. As a resource to fellow explorers, many previous Discovery Thinking presentations can be found on the AAPG Search and Discovery website under the Special Collection tab.

This year, AAPG is pleased to present “Pioneering Discoveries.” San Antonio is a center of pioneering spirit and well-positioned to feature significant exploration discoveries of the western hemisphere.

- **ExxonMobil Guyana Exploration and Discovery:** Maria C. Guedez, Guyana Exploration Manager, ExxonMobil Exploration Company
- **Discovery of Oil in Belize After Fifty Dry Holes: Geological Insights and Exploration Timeline:** Susan Morrice, Cofounder and Chairperson, Belize Natural Energy Ltd
- **Permian Basin Wolfberry and Wolfbone: Discovery of World-Class Resources in a Mature Basin and New Insights:** Bill Fairhurst, Texas Bureau of Economic Geology and President, Riverford Exploration, LLC
- **Discovery of the Unconventional Vaca Muerta Shale Play in the Neuquén Basin, Argentina:** Carlos E. Macellari, Director of Exploration and Development, Tecpetrol

Michel T. Halbouty Lecture: The Future of Oil and Gas Exploration



Day: Monday
Time: 5:10 pm–6:00 pm
Location: Hemisfair Ballroom 1
Fee: Included with registration
Speaker: **Stephen M. Greenlee**, President, ExxonMobil Exploration Company

The Michel T. Halbouty lecture series – funded by the AAPG Foundation – is an ongoing special event at the AAPG Annual Convention and Exhibition. Lecture topics are designed to focus either on wildcat exploration in any part of the world where major discoveries might contribute significantly to petroleum reserves, or space exploration where astrogeological knowledge would further mankind’s ability to develop resources on Earth and in the Solar System.

Oil and gas exploration has long enabled societal benefits from affordable, abundant and reliable energy supplies while providing resource owners, companies and investors long lived revenues and profits. Recently, however, exploration investment has come under increasing scrutiny from stakeholders with concerns regarding future oil and gas demand predictions, climate change, investment returns relative to alternatives, and skepticism regarding the existence of large undiscovered resources. Many companies have reduced focus

on conventional exploration. Many others have abandoned it in favor of North American unconventional and corporate and asset acquisitions.

With an unprecedented range of opportunities for reserve replacement facing executives today, most oil and gas companies do not view exploration as their sole vehicle to sustain and grow reserves, but rather as one of many tools to enhance portfolio value. As a result, sustainable and valued exploration programs must deliver resources with the quality to displace other opportunities and justify near-term development investment.

To meet this high threshold, exploration industry performance must improve. Successful future explorers will be led by those that not only integrate and fully comprehend the diversity of technical analysis, but also the commercial and business opportunities presented by the full oil and gas value chain. They will easily access and manipulate all available data and will gain insight through data analytics beyond what their experience allows, while embracing entirely new technologies which will enable both more certain recognition of yet to find resources and lower development costs. Finally, new partnerships with resource holders must be established to ensure that terms recognize the realities of modern exploration and resource development as well as the specific and unique needs of the countries providing access.



SM Energy is a proud supporter of the AAPG 2019 Annual Convention & Exhibition

SM ENERGY

LookBeyond.org

sm-energy.com

Look beyond the obvious to see how our products make up your world

SEPM Research Symposium: A Look Into the Future of Energy and Sustainability Using the Sedimentary Record

Day: Tuesday
Times: 8:00 am–11:50 am & 1:15 pm–5:05 pm
Location: Hemisfair Ballroom 1
Fee: Included with registration
Co-Chairs: A. Fildani, K. Gomez, and J. Covault



The world faces significant challenges in energy resources and sustainability, including securing petroleum resources, accessing clean water for human consumption, and mitigating rising temperatures during the 21st century. Living in a sustainable world requires societal and ecologic balance, one that demands no more of the environment than it can sustain over the long term. Geoscientists are uniquely qualified to address these challenges given their multi-disciplinary training in the study of Earth's systems and processes over a range of time scales.

The 2019 Society for Sedimentary Geology (SEPM) Symposium is bringing together a diverse group of dynamic speakers to present forward-looking research addressing the role of sedimentary geoscience in challenges in energy resources and sustainability. The Symposium includes a traditional oral session of 6 Keynote Speakers representing the “pillars” of sedimentary geosciences and, for the first time at ACE, a Presenting Interactive CContent (PICO) Session. The PICO Session will allow authors to share their work in two-minute oral presentations, followed by presentations on interactive screens and/or traditional posters.

Morning Session – Keynote Speakers:

- **Carbon Sequestration Through Time and Its Role as an Overlooked Driver of Earth's Long-Term Climate History:** Kristin D. Bergmann, Nicholas Boekelheide, Adam B. Jost, Marjorie Cantine, Tyler Mackey
- **Tracking Anoxia in Ancient Oceans: Potential and Limitations of Paleoredox Proxies in Carbonate Rocks:** Kimberly V. Lau, Dalton S. Hardisty, Benjamin C. Gill, Timothy W. Lyons
- **Understanding Muddy Sedimentary Strata on Continental Margins: Significance, Knowledge Gaps, and One Perspective on What We Need for the Future:** Samuel Jackson Bentley
- **Towards a Better Understanding of Architecture and Pore-Space Distribution in Clastic Sediments and Rocks: Studying Sedimentary Systems Using Simple Stratigraphic Forward Models:** Zoltan Sylvester
- **Improving Subduction Zone Hazards Assessments Using the Coastal Stratigraphic Record:** Tina Dura
- **Sedimentology in Fifty Years:** John B. Thurmond

Afternoon Session – PICO Presentations:

- **Understanding Ice-Sheet Vulnerability Using an Integrated Subsurface Sedimentary Geoscience Approach: Preliminary Results from Neogene and Quaternary Records Acquired During IODP Expedition 374 to the Ross Sea, Antarctica:** Brian W. Romans, Laura De Santis, Robert M. McKay, Denise K. Kulhanek, Expedition 374 Scientists

- **Submarine Fans, the Carbon Cycle, and Climate Models:** Angela M. Hessler
- **Opportunities for Incorporating Deep-Time Insight About Landscape Dynamics into Engineering and Decision-Making Models:** Elizabeth Ann Hajek, Vamsi Ganti, Evan Greenberg
- **Using Earth's Sedimentary Record to Inform Studies of Delta Channel Deposits on Mars:** Timothy A. Goudge, David Mohrig, Benjamin T. Cardenas, Cory M. Hughes, Caleb I. Fassett
- **Conservation Paleobiology— Using Ancient Examples of Marine Extinctions to Understand and Mitigate Future Ecosystem Collapse:** Rowan Clare Martindale, William Foster, Anna M. Weiss
- **Exploiting Autogenic Sedimentary Processes to Synchronize Geologic and Modern Timescales of Environmental Change:** Brady Z. Foreman, Kyle M. Straub
- **Predictions for the Width of River Channel Belts From Physical Experiments and the Rock Record:** Ajay B. Limaye, Chris Paola
- **Integrating Observations From Recent Seafloor Surveys With the Deep-Water Stratigraphic Record: Implications for Securing Energy Resources, Geohazard Assessments, and Other Potential Applications:** Stephen M. Hubbard, Rebecca Englert, Matthieu Cartigny, Michael Clare, Joris Eggenhuisen, Zane Richards Jobe, Sophie Hage, Maarten Heijnen, Daniela Vendettuoli
- **Building a Geothermal Future on a Sedimentary Foundation:** John Millard Holbrook
- **Hydrologic Variability and Fluvial Responses to Increased Warming During the Paleocene–Eocene Thermal Maximum, Piceance Creek Basin, Colorado, USA:** Anna K. Lesko, Brady Foreman

The Big Crew Change: Passing the Baton and Challenges Awaiting Mid-Career Geoscientists

Day: Tuesday
Time: 1:15 pm–2:40 pm
Location: Room 213 A/B
Fee: Included with registration
Moderators: **Stephanie Nwoko**, Senior GeoModeler, Premier Oilfield Group and **Dallas Dunlap**, Research Scientist Associate, The University of Texas at Austin

The “big crew change” is upon us and the mid-career geoscientists are left to run the show but are they ready?

This special session will discuss the challenges mid-career geoscientists are currently facing in the oil and gas industry, and the lack of advanced training needed to ensure their continued development. Is there a transition phase, and are they equipped to take over the baton?

Mid-career geoscientists will share their experiences, lessons learned, and suggested solutions that can be implemented. They will touch on the downturn's effects and survival skills. They will also address their waning interest in AAPG and how it can be revived.

Members of AAPG's Executive Committee will be present to address pressing questions and discuss AAPG's view on the generation gap, declining involvement of the mid-career professional, and what can be done to jumpstart this generation's era.

Panelists:

- **Vanessa Kertznus**, Supervisor Gulf of Mexico West, Shell
- **Diana Duran**, Geological Advisor Permian Exploitation Group, Occidental Petroleum
- **Nysha Chaderton**, Technical Team Lead, ExxonMobil
- **Michael Pyrcz**, Associate Professor, The University of Texas at Austin
- **Nancy Slatter**, Managing Partner, Cabral Energy
- **Ika Novianti**, Director Geophysical Operations, ION Geophysical

DEG Special Session on Environmental Impact and Sustainability



Day: Tuesday
Time: 3:20 pm–5:05 pm
Location: Room 213 A/B
Fee: Included with registration
Co-Chairs: M. Barrett and M. Jacobs
Speaker: **Iain Stewart**, Communicating Contested Geoscience to the Public: "Matters of Fact" vs. "Matters of Concern"

Geological issues are increasingly intruding on the everyday lives of ordinary people. Whether it is the onshore extraction of oil and gas, the subsurface injection of waters for geothermal power, or the deep storage of waste products, communities across the world are being confronted with controversial geological interventions beneath their backyards. With a growing recognition that it is social rather than technical factors that stir societal unease and fuel community outrage, geoscientists need new communication strategies to engage dissonant publics, underpinned by a culture change from conveying "matters of fact" to brokering "matters of concern."

Our keynote speaker Iain Stewart is Professor of Geoscience Communication at the University of Plymouth, UK, and Director of its Sustainable Earth Institute. His academic interests are in applying Earth science to pressing societal concerns—climate change, geo-resources, geo-energy, disaster risk reduction—leading to his designation as UNESCO Chair in "Geoscience and Society." His expertise builds on a 15-year partnership with BBC Science, making popular television documentaries about planet Earth and tackling controversial geoscientific issues, such as climate change (Earth: The Climate Wars [2008]) and energy (Fracking—the New Energy Rush [2013] and Planet Oil [2015]). This "popular geoscience" has led to a research interest in how to effectively convey complex and contested Earth science to non-technical (public) audiences, forging novel research alliances with geographers, psychologists, sociologists, and anthropologists. Iain, appointed a Member of the Order of the British Empire (MBE) in 2013, has also been recognized for his services to the Earth sciences by The Royal Geographical Society, the Geological Society of London, the American Geophysical Union, the American Association of Petroleum Geologists, the

American Geosciences Institute, the Royal Society of Edinburgh, the European Federation of Geologists and the Geological Society of America.

This special session will be rounded out by three submitted talks on the intersection between petroleum geoscience and sustainability; a complete list can be found on page 74.

Applied Ichnology Session: In Honor of Dr. S. George Pemberton Ph.D., P.Geol., F.R.S.C.



Day: Wednesday
Time: 8:00 am–11:50 am
Location: Room 217 A
Fee: Included with registration
Co-Chairs: Murray K. Gingras and James A. MacEachern

On 4 August 2018, the geoscience community lost a pioneer in the applications of ichnology — Dr. S. George Pemberton. It is fitting that this session, focused on the use of trace fossils in solving sedimentological, stratigraphic, and reservoir problems, be held in his esteemed honor. At a time when ichnology was regarded to be an esoteric discipline of paleontology to be pursued only in the absence of "real" fossils, George saw an untapped resource that could impart profound insights into paleoenvironmental interpretations of the rock record. It was his aim to make ichnology applicable and accessible to the broader sedimentological community. Importantly, owing to George's insight, ichnology became relevant to subsurface datasets. He set out to train sedimentologists to identify trace fossils and employ them as "biogenic sedimentary structures" in order to characterize and interpret facies and to recognize stratigraphic discontinuities. George later began to employ ichnological datasets to the characterization of reservoir porosity and permeability, which has since expanded into an exciting direction of research. It is a testament to his vision that today the integration of ichnology is considered an essential part of good facies analysis and sequence stratigraphic interpretation.

You are warmly invited to attend the Applied Ichnology session in honor of George Pemberton. Many of the presenters in the session are former graduate students or post-doctoral colleagues of George's. The presentations run the gamut of trace fossil applications to the facies analysis of continental to deep-water deposits, characterization of carbonate and mixed siliciclastic-carbonate successions and their reservoirs, the identification of stratigraphic discontinuities in a sequence stratigraphic framework, and neoichnology. George would have been humbled by such a session in his honour, because regardless of the widespread appreciation of his contributions, George always held point of pride in the successes and contributions of his graduate students, often quoting Henry Adams — *A teacher affects eternity; he can never tell where his influence stops.*

Special Sessions on Salt Tectonics: A Community Tribute to Martin P. A. Jackson



This year's series of special sessions on salt tectonics ("Salt Involved Systems: Deposition to Diapirism to Dissolution") is dedicated to the memory of Martin P.A. Jackson. Martin passed away in May of 2016 after a lengthy battle with cancer. Up until shortly before his death Martin was still working away on the textbook "Salt

Tectonics: Principles and Practice." That textbook was published in 2017, and is widely, and deservedly, praised as the de facto textbook on salt tectonics.

Originally a "hard rock guy," Martin made the switch to work on one of the weakest rocks, rock salt, in the early 1980s shortly after arriving at the Bureau of Economic Geology (BEG) at The University of Texas at Austin. Martin's initial focus was on salt structures in the onshore Gulf of Mexico with other BEG researchers, but he became intrigued with the Great Kavir salt desert in central Iran after seeing an aerial photograph of clustered salt diapirs in this largely uninhabited region. This was followed by stints of centrifuge modeling in the Hans Ramberg Laboratory at Uppsala in Sweden, aerial photograph analyses, and field work with other colleagues in the Great Kavir. The end result of this research was the concept of a salt canopy, with the Great Kavir being a natural depth slice through

such a structure. This had a major impact on our understanding of the salt bodies in the offshore Gulf of Mexico. In 1988 Martin set up the Applied Geodynamics Laboratory (AGL) at the BEG with seed money to focus specifically on salt tectonics. Since 1989 the AGL has been continually funded by industry partners. As with his research on the Great Kavir, Martin enlisted the help of BEG colleagues to work with him on tackling salt-tectonic problems using a multidisciplinary approach that utilized field studies, seismic-based studies, and physical and numerical models.

Under Martin's direction many important concepts came out of this newly-formed research group, along with coworkers from both academia and industry. These include the concept of aforementioned salt canopies and how they are emplaced, the rise and fall of diapirs under extension, salt-related fault families, identification and mechanisms of salt welds and the list goes on. Martin's work on salt tectonics was not confined to the northern Gulf of Mexico and associated coastal zones, but also included field-based studies of salt tectonic systems in the Sverdrup Basin (Arctic Canada), Paradox Basin (Utah), Katangan Copperbelt (central Africa), and Haute Provence (France), as well as seismic-based studies in the western Mediterranean Sea, Bay of Biscay, Red Sea, offshore Angola, offshore Gabon, and onshore Brazil. He did not confine himself to terrestrial studies but also worked on salt-tectonic systems on Titan and Mars.

Martin's publications have been cited more than 6,500 times, but that's just metrics! What made Martin such a great scientist was his intellectual curiosity, his ability to work with people, his congeniality, and his patience. Salt tectonics can be completely baffling when one is introduced to it, especially multi-tiered systems such as those we see in the Gulf of Mexico. Martin enjoyed solving these geological puzzles, but also loved introducing people to salt-tectonic concepts and answering their questions, no matter how elementary those questions were. And then there was that glint in his eye and grin when he would quietly ask "Do you think this type of system can be modeled?" He knew it could, but he was being polite, and gently asking you if you would do it!

In February of 2018, some 60 of us gathered by the shores of the Dead Sea in Israel for the Geological Society of America Penrose Conference "Advances in salt tectonics: observations, applications, and perspectives" held in honor of Martin. It seems fitting now to share the celebration of his life and legacy with the broader AAPG community, considering the impact he made on salt tectonics and the recognition he received from the American Association of Petroleum Geologists in the form of four major awards.

These special sessions are the product of a collective effort by the salt tectonic community and we hope attendees of ACE 2019 have an opportunity to enjoy this celebration. Martin would have loved this!

Re-think
your
Pyrolysis



Booth# 751

Wildcat
Technologies

HAWK Pyrolysis & TOC Instrument
HAWK-PAM Petroleum Assessment
Laboratory and Wellsite

The AAPG Technical Program Formally Welcomes the Data Science Revolution—A Sign of the Times

Data Science in the Geosciences is an interdisciplinary field that uses scientific methods, processes, and algorithms to extract knowledge and insights from a variety of geological and engineering data sets. In the past few years, terms such as Machine Learning, Digitalization, and Artificial Intelligence have received a lot of attention in both large and small oil and gas companies. The ACE 2018 Machine Learning “Unsession” in Salt Lake City provided an initial platform to explore some of these ideas during the Annual Meeting. The ACE 2019 organizing committee has recognized the need to incorporate a new technical theme as part of the ACE program in San Antonio so that we can advance our discussion from conceptual to practical and add a strong hands-on component.

Theme 8: Deep Integration of Data and Disciplines will incorporate both oral and poster sessions that cater to all levels of knowledge and where applications and case studies will showcase a wide range of topics:

- **New Applications of Machine Learning to Subsurface Science: Monday morning oral session and Tuesday morning poster session; see page 48 & 70 for details**
- **Multi-Disciplinary Integration for Subsurface Efforts in the Age of Big Data: Monday afternoon poster session and Tuesday morning oral session; see page 63 & 66 for details**
- **The Digital Transformation in the Geosciences: Tuesday afternoon poster session and Wednesday afternoon oral session; see page 75 & 87 for details**
- **Application of Machine Learning to Imaging: Wednesday morning poster session; see page 84 for details**

Theme 8 comes in a bundle with three exciting short courses that are designed to address the needs of different proficiency levels when it comes to this new chapter on digital transformation of the geosciences. These courses will cover the range from getting an introduction to the basic concepts to a hands-on programming experience using Python.

- Advanced Analytics – Machine Learning 101 (AAPG PROWESS)
- Improving Modeling and Predicting Reservoir Behavior
- Introduction to Data Science and Machine Learning in the Geosciences

We hope that these additions to the technical program will help us to start bridging the gap between the fancy graphics that advertise the advent of the digital era and our actual knowledge of the benefits and challenges of embracing a new “digital revolution.”

NEW! Theme for 2019—Business and Finance: Where the Subsurface and the Commercial Combine to Create Value

We all know that any good upstream venture starts with a rich subsurface endowment where one understands the petroleum system and learns from one well to another. The most prolific of these ventures are described as Super Basins, while others are aspiring to the title, supported by relentless exploration efforts and technological innovation. As geologists or geophysicists our focus is often on unraveling the subsurface, and yet it is equally important to acknowledge that none of these ventures would exist if not for the support of a business-friendly environment, savvy investment decisions and availability of capital. Building on the ACE 2018 session “The Business of Oil and Gas: The Many Pathways to Success,” this year ACE 2019 has an entire theme focused on the business and financial aspects of our industry. Theme 10: Business and Finance intends to open channels of knowledge and collaboration among oil and gas professionals whether they use a rock hammer or Monte Carlo simulation to create value.

The “business and finance” theme has been arranged like a triptych representing one large image split into three. The first panel, or session, is discussing Opportunity Valuation, the second, Deals and Investment Decision, while the third homes in on Financing options.

The individual talks inside the three sessions have been arranged in such a way that more often than not a talk with an unconventional resource plays focus will be followed by a talk highlighting similar aspect in conventional onshore or offshore plays.

The talks cover topics including: Conventional exploration back in the black, the role of luck and serendipity in exploration, adventures in exploration deal-making, the development of an entrepreneur, and building a private equity company. These are just a few of the exciting topics which will be covered by seasoned explorers, entrepreneurs, and investors, demonstrating how combining outstanding subsurface analysis with commercial and economic savvy drives value creation.

This is the first year that we will have a dedicated theme to this ever-important topic, without which none of us would have, not will have, the exciting career of oil and gas explorers and producers. We definitely count on your support to carry this Theme into the future of the AAPG. Please make time to attend one or more of these sessions and continue your journey to be a multi-faceted value creator. We will see you there!

- **Opportunity Valuation:** Tuesday, 1:15 pm–5:05 pm, see page 72 for details
- **Deals and Investment Decisions:** Wednesday, 8:00 am–11:50 am, see page 78 for details
- **Financing:** Wednesday, 1:15 pm–5:05 pm, see page 84 for details

Networking & Events

Luncheons

U-Pitch

Networking Opportunities

Students

Young Professionals

SEPM Annual Meeting

Exhibition Highlights

International Pavilion

Social Activity

Guest Program

Short Courses

Field Trips



All-Convention Luncheon: Driving Sustainability Innovation with Open Data and Cloud Technology for Oil & Gas Applications



Day: Monday
Time: 11:30 am–1:15 pm
Location: Hemisfair Ballroom 2/3
Fee: \$65
Speaker: **Arno van den Haak**, Head, Worldwide Business Development Oil and Gas AWS Business Development

The traditional All-Convention Luncheon will take place on Monday at the Henry B. Gonzalez Convention Center.

Arno has more than 25 years of Oil and Gas experience. He began his career with Royal Dutch Shell in 1990 in the Netherlands after graduating from Eindhoven University of Technology with an M.Sc. in mechanical engineering. He has held various positions in the upstream production and operations space in the Netherlands before taking on a host of global assignments.

Arno has worked and lived on nearly every continent for Royal Dutch Shell (with the exception of Australia). His responsibilities have spanned technical, business, and managerial roles covering the upstream value chain from M&A, Exploration, Field Development, R&D, Wells, Major Projects, Deep-water, and Asset/Production Operations.

Arno has deepened his professional career the last 15 years in the COE for deep water in Houston as the technical authority with responsibility for well and production technology as well for project maturation and project execution with accountability for global projects. He has led international teams supporting deep-water project planning and execution in Brazil, Philippines, Nigeria, Malaysia, Angola, and Norway, both Shell operated as well as partner operated projects.

During this time he broadened his expertise further with assignments as the head for global R&D for deep-water structures with accountability for IP; as the global head of Deep-water Development Planning and as the project manager for the multi-billion dollar Deep-water (GoM) Mars B/Olympus TLP development.

Arno's final assignment in Shell was as the General Manager and Technical Authority for Wells in Brazil for the exploration and development activities in the Libra pre-salt joint venture. He left Shell in 2016 for a short lived opportunity with Philips Healthcare in the San Francisco Bay Area as the senior director for program management delivering Healthcare IT solutions before joining AWS.

His current role is the head of worldwide business development Oil and Gas for Amazon Web Services. He has more than 15 professional publications to his name and holds five patents.

The AAPG Foundation's Teacher of the Year Award will be presented during the All-Convention Luncheon. The annual Teacher of the Year award of \$6,000 is given to a K-12 teacher for excellence in the teaching of natural resources in the earth sciences. The award includes \$3,000 to the recipient's school and \$3,000 for the recipient's personal use. In addition, the recipient receives an expense-paid trip to the Annual Convention and Exhibition (ACE) to receive the award. Nominations for the award are submitted by the AAPG sections and the winner is chosen by AAPG Foundation's Teacher of the Year Judges. Each section winner receives a \$500 cash award.

Division of Professional Affairs (DPA) Luncheon: Re-Inventing Yourself to Stay Relevant in an Ever-Changing Geoscience Technical Climate



Day: Tuesday
Time: 11:30 am–1:00 pm
Location: Room 006 B/C/D
Fee: \$65
Speaker: **Deborah K. Sacrey**, Owner, Auburn Energy

Deborah is a geologist/geophysicist with 42 years of oil and gas exploration experience in the Texas and Louisiana Gulf Coast and Mid-Continent areas of the US. She received her degree in Geology from the University of Oklahoma in 1976 and immediately started working for Gulf Oil in their Oklahoma City offices.

She started her own company, Auburn Energy, in 1990 and built her first geophysical workstation using Kingdom software in 1996. She helped SMT/IHS for 18 years in developing and testing the Kingdom Software. She specializes in 2-D and 3-D interpretation for clients in the US and internationally. For the past eight years she has been part of a team to study and bring the power of multi-attribute neural analysis of seismic data to the geoscience public, guided by Dr. Tom Smith, founder of SMT. She has become an expert in the use of Paradise software and has more than five discoveries for clients using multi-attribute neural analysis.

Deborah has been very active in the geological community. She is past national President of SIPES (Society of Independent Professional Earth Scientists), past President of the Division of Professional Affairs of AAPG (American Association of Petroleum Geologists), Past Treasurer of AAPG, and Past President of the Houston Geological Society. She is currently the President of the Gulf Coast Association of Geological Societies and is one of the GCAGS representatives on the AAPG Advisory Council. Deborah is also a DPA Certified Petroleum Geologist #4014 and DPA Certified Petroleum Geophysicist #2. She belongs to AAPG, SIPES, Houston Geological Society, South Texas Geological Society, and the Oklahoma City Geological Society (OCGS).

SEPM Business Meeting Luncheon: Seismic Geomorphology—From the Earth's Ocean Depths to the Distal Planets, A Revolution in Reconstructing Landscape Form and Processes



Day: Tuesday
Time: 12:00 pm–1:00 pm
Location: Room 007 A/B/C
Fee: \$55
Speaker: **Dr. Lesli Wood**, Weimer Distinguished Chair and Professor in Sedimentary and Petroleum Geology, Department of Geology and Geological Engineering



Dr. Wood joined the faculty at Colorado School of Mines in 2015 as the Robert J. Weimer Distinguished Chair and Professor in Sedimentary and Petroleum Geology, where she is Professor and Director of the Sedimentary Analogs Database and Research Program (SAnD). Prior to joining CSM, Dr. Wood held positions at the University of Texas at Austin, Amoco Production Company and ARCO. Dr. Wood specializes in quantitative seismic geomorphology of clastic basins, tectonics and sedimentary system interactions, submarine and sub-lacustrine mass failures, petroleum geology, shales tectonics and geomorphology of Mars. She has served as SEPM Society for Sedimentary Geology National Secretary-Treasurer, the GCSEPM President and is active in AAPG. Dr. Wood has published widely on the nature of modern and ancient deep- to shallow-water systems around the world and, she and her students have won numerous best paper and poster awards.

When we are asked to account revolutionary concepts from the past 50 years of sedimentology and stratigraphy we are often at a loss to move much beyond “the turbidite.” Some of us can list “sequence stratigraphy,” although Larry Sloss would argue that these ideas have been around but were simply popularized in the past 40 years. However, the development of Seismic Geomorphology and even further, our ability to quantify the earth's historical nature through Quantitative Seismic Geomorphology has truly been an eye-opening revolution in the way we see the historic Earth. The canon fire driving this revolution's forward advance is three-dimensional seismic data, and this advance ride upon the shoulders of the science of geomorphology. In recent years, the development of Digital Geomorphology, has further advanced our recognition of processes that have formed our sister planets. This talk will document, in amazing detail, the advances in planet surface process imagery through seismic geomorphologic and other technologies and detail the revolution that this ability to see into ancient landscapes, has spawned in our understanding of the earth's process history and the formation of our sister planets.

Division of Environmental Geosciences (DEG) and Energy Minerals Division (EMD) Luncheon Global Energy Transition – An Uncertain Outcome Driven By Developments in Policy, Technology, and Behavior



Day: Wednesday
Time: 11:30 am–1:00 pm
Location: Room 006 B/C/D
Fee: \$60
Speaker: **Eirik Wærness**, Senior Vice President and Chief Economist, Equinor

Wærness, a macroeconomics, energy and commodity analyst, is also head of corporate strategy for mid and downstream markets.

Eirik has a broad level of past experiences holding several different leadership positions in government, academics, and private sector companies.

In addition to his current role at Equinor, Wærness leads Corporate Strategy, Corporate Planning and Analysis, Economic Analysis in Upstream Norway, and Energy Market Analysis.

Wærness serves as a non-executive member on the Board of Innovation Norway, the Board of Centre for Applied Research at the Norwegian School of Economics and is also a member of the Global Commission to examine Geopolitics of Energy Transformation which is set up by the International Renewable Energy Agency (IRENA).

Past work experiences include:

- July 2016–February 2018: non-executive member of the Board of the Norwegian Financial Supervisory Authority (Finanstilsynet)
- 2014–2018: participated in different energy initiatives under World Economic Forum, including special advisor for work on energy architecture and member of the global council on the future of energy
- 2010–2013: member of the Executive Board of the Central Bank of Norway
- Additional: work experience from the Centre for Applied Research at the Norwegian School of Economics, Norwegian Ministry of Finance, Total E&P Norway, and Pöyry Management Consulting/ Econ Centre for Economic Analysis



Days: Monday–Wednesday
Times: 9:30 am–4:30 pm (Monday and Tuesday)
 9:30 am–12:00 pm (Wednesday)
Location: Exhibit Hall, Booth #1620

Looking to invest in a new product? Come visit the U-Pitch Theatre and listen to live pitches from innovative geoscientists with potential new products and services.

U-Pitch Schedule

Monday

9:30 am	Ted Kernan, WellLogData
10:00 am	Matt Czerniak, RhoVe T Temp-Based Pore Pressure Method
10:30 am	Don Herman, Cordax
11:00 am	Ray Donelick, BiMBy - Big Mass Battery
11:30 am	Sergio Tuberquia, equipcast inc.
12:00 pm	Parminder Kaur, Agile Data Decisions
12:30 pm	Hector Klie, DeepCast, LLC
1:00 pm	Harold Nikipelo, Lifeview Petroleum Inc. Enhanced Huff n Puff for Shales and Tight Formations
1:30 pm	Martin Perlmutter, SDAS: The Scalable Data Access System (Balex)
2:00 pm	Vitaly Meyer, PetroCubic: Job Sourcing and Pay-As-You-Use Software Licenses
2:30 pm	George Adcock, Resource Evaluations
3:00 pm	Miguel Bosch, Info Geosciences
3:30 pm	Konstandnos Zamfes, DMHE - Direct Methods of Hydrocarbon Exploration from Drilling Cuttings to Petrophysics and Frack Design and Interpretation.
4:00 pm	Sashi Gunturu, Petrabytes: Cloud-Based Analytics (AI, ML) and Tools
4:30 pm	Alec Walker, DelfinSia: Virtual Advisor Assembles Structured Databases From Unstructured Data.
5:00 pm	Alan Gilmer, Drilling Info Disruptive Technologies Investor and Commercialization Partner Presentations and Exhibit Hall Networking Reception
5:15 pm	

Tuesday

9:30 am	Kristoffer Rimaila, Discontinuity Imaging using Machine Learning
10:00 am	David Hodgetts, VRGS - Virtual Reality Geological Studio
10:30 am	Robert Chelak, Biodentify
11:00 am	Jim Seweryn, Geological Wellsite and Remote Geo Steering Services
11:30 am	Bruce Black, Black Exploration LLC
12:00 pm	Carlos Moreno, Lumina Geophysical
12:30 pm	Jacobs Jin, Unconventional Shale EOR Technology
1:00 pm	Sunil Garg, DataVediK Machine Learning Solutions
1:30 pm	Rick Schrynemeeckers, AGI Leak Detection
2:00 pm	Claudia Ruiz-Graham, 3D Gaia: Immersive learning for Oil & Gas Industry
2:30 pm	Sarah Tamilarasan, SOTAOG – IIoT Platform / predictive analytics
3:00 pm	Martin Blouin, Geolearn
3:30 pm	Laura Dafov, Earth AI: Greenfield Mineralization locator
4:00 pm	Geoffrey Thyne, Esal: Wettability alteration
4:30 pm	Ana Krueger, Bluware Interactive Deep Learning Toolkit
5:00 pm	Alan Gilmer, Drilling Info Disruptive Technologies Investor and Commercialization Partner Presentations and Exhibit Hall Networking Reception
5:15 pm	

Wednesday

9:30 am	Speed meetings with investors and commercialization partners
11:30 am	Path Ahead Wrap-Up

For more information please visit: ACE.AAPG.org

THANK YOU SPONSORS



AAPG HoD/PROWESS/DEG Networking Reception

Day: Saturday
Time: 6:00 pm–7:30 pm
Location: Grand Hyatt San Antonio, Lone Star Ballroom B/C
Fee: By invitation only

The AAPG House of Delegates, the Professional Women in Earth Sciences, and the Division of Environmental Geosciences, are holding a special networking reception inspired by the women and men who have encouraged diversity in the geosciences.

Icebreaker Reception

Day: Sunday
Time: 5:00 pm–7:30 pm
Location: Exhibit Hall 3/4A
Fee: Included in registration

Following the Opening Session and Awards Ceremony head over to the Exhibition for drinks and hors d'oeuvres. Connect with old friends and colleagues or cultivate new business relationships while networking with exhibitors.

Refreshment Breaks

Days: Monday–Wednesday
Times: 9:15 am–10:15 am (Monday, Tuesday, and Wednesday)
 2:30 pm–3:30 pm (Monday and Tuesday)
Location: Exhibit Hall 3/4A
Fee: Included in registration

Face-to-face networking is one of the most effective ways to meet vendors, suppliers, and service providers. Grab a cup of coffee or tea and visit with industry experts, innovators and influencers to see the latest technologies and innovations.

End-of-Day Receptions

Days: Monday–Tuesday
Time: 5:00 pm–6:00 pm
Location: Exhibit Hall 3/4A
Fee: Included in registration

End each day by enjoying a drink and appetizer. Meet fellow professionals, product and service providers, and business prospects to exchange ideas and gain competitive intel that will help drive your success.

All-Alumni Reception

Day: Monday
Time: 5:30 pm–7:30 pm
Location: Grand Hyatt San Antonio, Lone Star Ballroom A
Fee: Included with registration

Participating colleges and universities:

- Binghamton University
- Missouri University of Science & Technology
- University of Arkansas
- University of Colorado
- University of Nevada
- University of Tulsa
- Utah State University

Private Alumni Receptions

Day: Monday
Time: 5:30 pm–7:30 pm
Location: Grand Hyatt San Antonio second level unless otherwise noted
Fee: Included in registration

- Colorado School of Mines: **Lone Star Ballroom C**
- Stanford School of Earth, Energy & Environmental Sciences: **Henry B. Gonzalez Convention Center, Park View Registration**
- Texas A&M University: **Henry B. Gonzalez Convention Center, Room 007 D**
- Texas Tech University-College of Arts and Sciences: **Bonham C, 3rd Floor**
- Trinity University: **Crockett A, 4th Floor**
- University of Iowa-Dept. of Earth and Environmental Sciences: **Henry B. Gonzalez Convention Center, Room 215**
- University of Kansas: **Henry B. Gonzalez Convention Center, Tower View Registration**
- University of Louisiana at Lafayette: **Henry B. Gonzalez Convention Center, O'Gorman Terrace**
- University of Michigan Earth and Environmental Sciences: **Bowie C**
- University of Texas at El Paso: **Bonham D, 3rd Floor**
- West Virginia University: **Henry B. Gonzalez Convention Center, Room 008 D**

Private Alumni Functions

All events held at the Grand Hyatt San Antonio unless otherwise noted.

- **University of Oklahoma**
Monday, 5:00 pm–7:00 pm | Grand Hyatt San Antonio, Bonham B, 3rd floor
- **University of Texas at Austin Jackson School of Geosciences**
Monday, 6:00 pm–8:00 pm | Casa Rio | 430 E. Commerce St.
- **University of Illinois at Urbana-Champaign Department of Geology**
Monday, 6:00 pm–8:00 pm | Yard House | 849 E. Commerce St., Suite #409
- **University of Nebraska-Lincoln**
Tuesday, 5:30 pm–7:30 pm | Yard House | 849 E. Commerce St., Suite #409

Career Center – Open to All Job Seekers

Days and Times: Monday, 8:30 am–5:00 pm
 Tuesday, 8:30 am–5:00 pm
 Wednesday, 8:30 am–2:00 pm
Location: Room 006 A

The Career Center in San Antonio is an AAPG benefit for both employers and job seekers. The room is conveniently accessible to the public and meeting registration is not required to utilize this service.

The AAPG Career Center helps job seekers and employers connect in an environment specifically designed for petroleum geosciences professionals, saving them both time and effort.

Job seekers – Bring your résumé to post to the Career Center bulletin board at no charge. AAPG members also have the option of posting their résumés online.

Employers – Post jobs on our bulletin board and contact us to reserve a table to meet with job seekers or share promotional material about your company. Those with paid postings to our online Career Center have access to our online résumé database as well. Companies may reserve half-day, full-day, or all three days at no cost. Table must be staffed by your company representative.

Students

Student Résumé Review

Free résumé reviews will be conducted by industry recruiters and other professionals in the Exhibit Hall at the Association for Women Geoscientists (AWG) booth #1646 during ACE. Bring a paper copy of your résumé and sign up at the booth. If you are a young professional, you are asked to kindly make a \$20 donation or become a member of the AWG.

Student and Faculty Lounge

Days: Monday–Wednesday
Time: Exhibition Hours
Location: Exhibit Hall, Booth #1449
Fee: Included with registration

Sponsored by Chevron, complimentary refreshments are provided each day during exhibition hours. The lounge offers students a place to meet with fellow students and industry professionals to develop career contacts and lifelong friendships.

Student Career Seminar

Day: Monday
Time: 4:00 pm–6:00 pm
Location: Grand Hyatt San Antonio, Lone Star Ballroom B
Fee: \$10
Limit: 96 Students

This workshop, hosted by the AAPG Student Expo Committee, is designed to assist students in their employment search endeavors within the petroleum and environmental industries. Students meet with professionals in round table discussion groups and learn about the day-to-day activities in these industries, and how to network and job search. After a brief introduction each table group will meet with industry managers and technical professionals who will facilitate discussions. Each will meet for 30-minute sessions and then rotate so that students have an opportunity to meet more professionals.

AAPG/SEPM Student Reception

Day: Monday
Time: 6:00 pm–8:00 pm
Location: Grand Hyatt San Antonio, Lone Star Ballroom D/E/F
Fee: Included with registration

All students and faculty attending the convention are invited to the AAPG/SEPM Student Reception. An introduction will be given by an ExxonMobil representative before the top three poster authors from the Shell-sponsored “Selected Academic Research Topics: Student Presentations” session receive awards. The Jim Hartman Service to Students Award will be presented to AAPG member(s) who contributed exceptional service to AAPG’s student programs. The awards program continues with the presentation of the Schlumberger sponsored Outstanding Student Chapter awards, the Student Chapter YouTube Video competition, and recognition of the top Imperial Barrel Award teams. Enjoy hors d’oeuvres and refreshments while mingling with your peers after the presentation.

AAPG/AAPG Foundation Imperial Barrel Award (IBA)

The IBA program is an annual prospective basin evaluation competition for geoscience graduate students from universities around the world. Teams winning IBA Region and Section competitions qualify for an opportunity to compete in the international finals during ACE. Sponsoring company representatives are allowed to watch the team presentation. For more information, please go to iba.aapg.org/sponsorship or contact a Programs Coordinator at iba@aapg.org. The announcement of the winning teams for this year’s IBA competition will be open for all to attend and will take place right before the start of the Opening Session and Awards Ceremony.

Young Professionals Meet & Greet

Day: Sunday
Time: 2:00 pm–3:00 pm
Location: Tower View Registration
Fee: Included with registration

Make plans to participate in the Young Professionals Meet & Greet event. This is a great networking opportunity that serves as a link to connect students and early career professionals with experienced attendees (mentors) at ACE. Attendees are paired up to learn and/or share industry knowledge as well as help guide newcomers through the convention experience. Professionals may be paired with one or more students/young professionals. These paired groups of students/young professionals will be shown around the exhibition hall during the Icebreaker reception and introduced to other AAPG members and colleagues. This program grows in popularity every year with positive reviews from all who participate. Please indicate your interest in this program during the registration process. The Young Professionals Special Interest Group oversees this event.

SEPM President's Reception and Awards Ceremony



Day: Tuesday
Time: 7:00 pm–9:00 pm
Location: Marriott Riverwalk, Alamo Ballroom Salons D/E/F
Fee: Included with registration



SEPM President Lynn Soreghan invites you to an evening of celebration to honor the 2019

award winners of SEPM – Society for Sedimentary Geology – and a great event to network and visit with colleagues old and new. The Twenhofel Medal, the highest award of SEPM given in recognition of a career of outstanding contributions to sedimentary geology, will be presented unfortunately posthumously to **S. George Pemberton**. SEPM Honorary Membership, given for both scientific contributions and service to the society, will be awarded to **David Budd**. The other science award recipients are **Charles Paull**, who will receive the Francis P. Shepard Medal in recognition of excellence in marine geology; **Pamela Hallock-Muller**, the Raymond C. Moore Medal in recognition of excellence in paleontology; **David Mohrig**, the Pettijohn Medal for excellence in sedimentology and stratigraphy; **Emmanuelle Ducassou**, the Wilson Award for excellence in sedimentary geology by an early career geoscientist, and SEPM's newest medal – the William Dickinson Medal for mid-career impact on sedimentary geology going to **Frank Corsetti**.

SEPM will also honor the recipients of the **Outstanding Paper Awards** for both of its journals: Journal of Sedimentary Research and PALAIOS. SEPM will also recognize the Outstanding Student Presentation Awards from the 2019 Annual Meeting, where cash prizes will be presented to the top student presenters from the **SEPM Student Awards Poster Session** scheduled for Monday in San Antonio, sponsored by Nexen. As always, SEPM will recognize the members of the 2019 Annual Meeting Organizing Committee, without whom the meeting could not take place, and SEPM Foundation Student Grant recipients. The reception will begin at 7:00 pm, with cocktails available at cash bars and substantial hors d'oeuvres. The awards ceremony will start at 7:30 pm.

SEPM Research Group Meetings and Reception

Day: Monday
Time: 7:00 pm–10:00 pm
Location: Marriott Riverwalk, various rooms
Fee: Included with registration

The Society for Sedimentary Geology (SEPM) would like to invite anyone who is interested in research group activities to attend the SEPM Research Group Meetings. Individual Research Groups will meet on Monday, 20 May. Specific locations will be announced at a later date. Check the SEPM website for updates at www.sepm.org.

SEPM Research Symposium: A Look Into the Future of Energy and Sustainability Using the Sedimentary Record

Day: Tuesday
Time: 8:00 am–11:50 am
 1:15 pm–5:05 pm

Location: Hemisfair Ballroom 1
Fee: Included with registration

Co-Chairs: Jake Covault, Kiara Gomez, and Andrea Fildani

The world faces significant challenges in energy resources and sustainability, including securing petroleum resources, accessing clean water for human consumption, and mitigating rising temperatures during the 21st century. Living in a sustainable world requires societal and ecologic balance, one that demands no more of the environment than it can sustain over the long term. Geoscientists are uniquely qualified to address these challenges given their multi-disciplinary training in the study of Earth's systems and processes over a range of time scales. The 2019 Society for Sedimentary Geology (SEPM) Symposium is bringing together a diverse group of dynamic speakers to present forward-looking research addressing the role of sedimentary geoscience in challenges in energy resources and sustainability. The Symposium includes a traditional oral session of six Keynote Speakers representing the "pillars" of sedimentary geosciences and, for the first time at ACE, a Presenting Interactive Content (PICO) Session. The PICO Session will allow authors to share their work in a two-minute oral presentation, followed by presentations on interactive screens and/or traditional posters.

SEPM Field Trips and Short Courses

Be sure to check out the great array of trips and courses available for this meeting. Students should be especially aware of the Sequence Stratigraphy for Graduate Students sponsored by Chevron and the other SEPM courses that have some discounted student seats sponsored by multiple companies.

SEPM Best Student Poster Presentation Competition

SEPM will be recognizing the top student presentations from the SEPM Student Awards Poster Session (Monday). The top student presenters will be recognized with cash prizes at the SEPM President's Reception and Awards Ceremony on Tuesday evening. For additional information about SEPM Annual Meeting activities contact Howard Harper (hharper@sepm.org) at SEPM headquarters or visit www.sepm.org.

SEPM Business Meeting Luncheon: Seismic Geomorphology: From the Earth's Ocean Depths to the Distal Planets, A Revolution in Reconstructing Landscape Form and Processes

See page 26 for luncheon information.



Looking to find the latest products/services, learn best practices, and discover new innovations to help deliver results for your business? Visit the exhibition to see all this:

- More than 500 Poster Presentations focusing on all aspects of geosciences
- Suppliers and vendors from more than 40 countries representing world-class Petroleum E&P Companies
- The latest innovations and emerging technologies
- Product and service demonstrations
- Networking opportunities with colleagues and industry professionals
- AAPG Center & Bookstore
- The International Pavilion exhibitors from around the globe
- U-Pitch Presentations

AAPG Center and Bookstore

The AAPG Center will offer information and answers about your membership, events, publications, and more. You'll want to make time to visit and gather information about: EXPLORER, Datapages, Divisions, short courses, Distinguished Lecturer program, GTWs, field seminars, AAPG Foundation, global events, membership benefits, Interpretation, publications, sections/regions, student benefits, and much more. Stop by booth #1629 and learn more.

Plinko Board

Win a prize playing the life-sized plinko board during regular exhibition hours at the AAPG Center.

Photo Booth

Visit the AAPG Center to update your resume or LinkedIn profile with a free professional headshot or have your picture taken and see yourself on the cover of the EXPLORER at the photo booth. The photo booth will be open each day during exhibition hours.

Author Signing

Atlas of Natural and Induced Fractures in Core

Day: Monday

Time: 2:30 pm–3:30 pm

Location: Exhibit Hall, AAPG Center #1629

Authors: Scott Cooper and John Lorenz



Networking in the Exhibition:

Daily Refreshments

Monday 9:15 am–10:15 am & 2:30 pm–3:30 pm

Tuesday 9:15 am–10:15 am & 2:30 pm–3:30 pm

Wednesday 9:15 am–10:15 am

End-of-Day Receptions

Monday 5:00 pm–6:00 pm

Tuesday 5:00 pm–6:00 pm

Exhibition Hours:

Sunday 5:00 pm–7:30 pm (Icebreaker)

Monday 9:00 am–6:00 pm

Tuesday 9:00 am–6:00 pm

Wednesday 9:00 am–2:00 pm

AAPG INTERNATIONAL PAVILION

www.internationalpavilion.com

Looking to explore...plan now to step into the world of exploration opportunities by visiting the AAPG International Pavilion (IP).

The IP provides an opportunity to bring together countries with proven and potential oil and gas resources and opportunities with oil and gas companies looking to explore and produce them.

The IP at ACE enables attendees, investors, and explorers to review global opportunities, learn about the latest discoveries and bid round offerings, and to network directly with representatives from the countries who know the geology and opportunities in detail. Attendees can expect to come away with heightened insight into current and future global activity and the inside track on where the best opportunities can be found.

In addition to the traditional exhibition of countries the IP will be hosting a dedicated IP THEATRE (#133) within the IP area on the AAPG ACE Exhibition floor. The IP THEATRE will commence on Monday afternoon at 1:30 pm

- **Opening Speech and Welcome:** Denise Cox, AAPG President
- **Keynote – Wood Mackenzie:** Exploration's Return to Profitability – Julie Wilson, Research Director, Global Exploration

Country presentations will round out the afternoon on Monday and continue through Tuesday and Wednesday morning. An exact schedule of presentations will be available at the IP THEATRE. Here are just some of the presentations that are scheduled.

Licensing Rounds

- Barbados
- Equatorial Guinea
- Faroe Islands
- Greenland
- Israel
- Lebanon
- Nalcor
- Newfoundland & Labrador
- Philippines
- Poland
- Sierra Leone
- United Kingdom

Open Acreage and Current Activity

- Argentina
- Colombia
- Falkland Islands
- Ireland
- Jamaica
- Morocco
- Tunisia
- Uruguay

Exploration Opportunities

- Envoi
- Ghana
- Liberia
- Mexico
- Mozambique
- Namibia
- Netherlands
- Peru
- Senegal
- Seychelles
- United Kingdom

New Data Availability

- Geopartners
- Nova Scotia



SOCIAL ACTIVITY

San Antonio Charreada – Hosted by the South Texas Geological Society

Sponsored by: Ageron Energy LLC

Day: Tuesday
Time: 6:00 pm–9:30 pm
Fee: \$50
Limit: 400 people
Includes: Transportation, music, dinner, drinks, and entertainment

Before barrels of oil equivalent, South Texas energy and dreams were measured in horses and cattle. Return with us now to those thrilling days of yesteryear to a private event where the Mexican adoration of the horse shines through. Charras in their finest pastel folklorico dresses breathtakingly weave their side-saddled steeds through precision riding maneuvers, re-enacting Mexican Revolution skirmishes, but as delicate as a lace fan. Charros apply nuanced skills, not brute force, to tame and work their animals.

Chartered buses will carry you rapidly from the Grand Hyatt San Antonio in 10 minutes to the San Antonio Charro Association arena where you will be greeted by Los Soberanos mariachi band, recently returned from a command performance at the Czar's Winter Palace, while you proceed to enjoy classic Mexican fajitas with side-dishes and practically unlimited beverages, including up to three cervezas or sangrias! Plan to arrive on time at 6:00 pm to witness the opening Charreada promenade reminiscent of Roman legions paying tribute, not to Caesar, but to you.

If you need to break from the action, buses will be shuttling between the arena and the Grand Hyatt San Antonio until we bid you Adios at 9:30 pm. The first bus leaves from the Grand Hyatt San Antonio at 5:45 pm and the last bus leaves the arena at 10:00 pm.

This is a lifetime opportunity for you to enjoy a celebration of skills and life that the San Antonio Charro Association has practiced for 72 years in this arena. Do not miss it!



Join us in Mexico City September 2020



Plan now to attend **Energy Opportunities 2020**, an executive level conference highlighting activity and investment opportunities in the Latin America and Caribbean region's traditional and alternative energy sectors.

Engage with decision makers from the government, energy, legal, finance, technology, consulting, and services sectors for two powerful days designed to provide both the information and the connections you need to meet your business objectives.

Attend plenaries featuring **world-renowned speakers**, prospect forums featuring investment opportunities, and focused workshops covering the latest advances in finance, technology, and science.

Meet with current and future partners at the business-to-business session and **explore new opportunities** at the exhibition and networking sessions.

For more information and sponsorship options, please visit:

➔ EnergyOpportunities.info

GUEST PROGRAM AND TOURS

Registered guests of AAPG members or non-members are invited to enjoy the comforts of the Guest Hospitality Suite in the Grand Hyatt San Antonio connected to the Henry B. Gonzalez Convention Center. This is the perfect place to visit with friends, relax, and enjoy refreshments.

Volunteers from the Guest Program Committee will be on hand to answer your questions about the tours and about the San Antonio area. Let us help you get acquainted with our city and the surrounding area.

Whatever your interest, San Antonio has something for everyone! Don't forget to come by the Guest Hospitality Suite.

Guest Hospitality Suite Hours:

Location: Grand Hyatt San Antonio, Bowie B

Monday 8:00 am–3:00 pm

Tuesday 8:00 am–3:00 pm

Wednesday 8:00 am–12:00 pm

All Guest Tours will depart from the lobby at the Grand Hyatt San Antonio. Participants should plan to arrive in the lobby 20 minutes prior to the published departure times and check in with the Guest Tour Host. Participants need to wear comfortable walking shoes and appropriate clothing for both indoor and outdoor conditions.

Grand Historic City Tour **SOLD OUT**

Day: Monday

Time: 10:00 am–2:30 pm

Fee: \$85

Includes: Transportation, tour guide, museum entry, and lunch

Experience 300 years of history, architecture, and the confluence of cultures! Explore the Briscoe Western Art Museum to learn about vaqueros, cowboys, and the cattle drives of South Texas. Have lunch at Guenther House; then explore this Art Nouveau and Victorian style house and museum of the founder of Pioneer Flower Mills. Learn about Southtown, Blue Star Arts Complex, and the King William Districts.

Texas Hill Country Tour **SOLD OUT**

Day: Monday

Time: 10:00 am–5:00 pm

Fee: \$114

Includes: Transportation, tour guide, and wine tasting fees at Grape Creek Vineyard.

(wine tasting at Wedding Oak Winery and lunch in Fredericksburg not included)

Experience the famous Texas Hill Country with this exciting full day tour. Try some award-winning wine at Grape Creek Vineyard. Stroll the historic German town of Fredericksburg with time on your own for lunch and shopping. Explore WildSeed Farms—the largest working wild flower farm in the nation—where you will have time on your own to shop the nursery and boutique, enjoy some peach ice cream at the Brewbonnet Biergarten, or try some wine at Wedding Oak Winery. Must be at least 21 years old.

Continuous innovation, from pore to pipeline.

In 1927, Conrad and Marcel Schlumberger used their new electrical well logging technique to identify formations in the Pechelbronn oil field in the Alsace region of France—a first in the oil and gas industry. Today, Schlumberger continues to innovate by introducing pioneering technologies delivered with technical expertise gained from decades of experience. From reservoir characterization and drilling to production and processing, we integrate multidisciplinary products and services to optimize hydrocarbon recovery and maximize production for our customers.

slb.com

Schlumberger



Historic Pearl Brewery Tour **SOLD OUT**

Day: Tuesday
Time: 9:00 am–2:00 pm
Fee: \$60
Includes: Transportation, tour guide, and private river barge ticket. *(lunch not included)*

Take a private and narrated motor coach from downtown San Antonio to the Historic Pearl Brewery. The Pearl, located north of downtown San Antonio, provides a unique experience as a top culinary and cultural destination; it features retail, dining, and picturesque green spaces, paseos, a riverside amphitheater, and the third campus of The Culinary Institute of America.

Gruene Historic District Tour **SOLD OUT**

Day: Tuesday
Time: 9:00 am–3:00 pm
Fee: \$60
Includes: Transportation and tour guide *(lunch not included)*

Explore the Gruene Historic District in New Braunfels, Texas. Shop at the many antique, artisan, and specialty shops. Have lunch at one of the many river front restaurants. Check out Gruene Hall—the oldest dance hall in Texas. Take a walking tour, on your own, using the historic markers throughout this historic German town.

San Antonio Shoe Factory Tour **SOLD OUT**

Day: Wednesday
Time: 8:30 am–12:00 pm
Fee: \$45
Includes: Transportation and tour guide *(breakfast not included)*

See first-hand how SAS shoes are made during this factory tour! Experience the journey each pair of shoes takes with a tour of one of the few remaining shoe factories in the U.S. Each pair of shoes can go through up to 100 different steps, performed by approximately 80 different pairs of skilled hands, before they are declared SAS quality. After the factory tour, you will have time to shop the general store or purchase your own pair of SAS shoes. **No sandals, guests must wear closed toe shoes.**

Spanish Missions Tour **SOLD OUT**

Day: Wednesday
Time: 9:00 am–1:00 pm
Fee: \$55
Includes: Transportation and tour guide *(lunch not included)*

Find out what makes San Antonio an important part of American history while taking in San Antonio's Spanish influences! See the original frescos at Mission Concepcion. Experience mission life at Mission San Jose, the Queen of the Missions. Learn about the hunters and gathers at Mission San Juan. Explore the grounds at Mission Espada. Follow the San Antonio River and discover the UNESCO World Heritage Site—the San Antonio Missions.



Scan me

Free trial subscription • Free trial subscription • Free trial subscription • Free trial subscription



A wise investment

Give yourself an advantage. Give yourself Upstream.

Upstream offers exclusive and comprehensive news and analysis every week through Upstream's newspaper and continuously on UpstreamOnline.com.

You get unlimited access to the archive and the Upstream App, and you get the complete overview of the global upstream industry through monthly in-depth features.

Finally, you get peace of mind, knowing that you are on top what is going on in your business.

Make your investment today.

Just scan the QR-code, go to www.upstreamonline.com/subscribe or send an e-mail to subscribe@upstreamonline.com for a free trial today!

"Some 84% of Upstream subscribers have identified new business leads or opportunities from reading Upstream"

TNS GALLUP

upstream
THE GLOBAL OIL & GAS NEWS SOURCE

PRE-CONVENTION	TITLE	INSTRUCTOR(S)
1	Deep-Water Depositional Environments: Processes and Products (SEPM) SOLD OUT	Zoltan Sylvester, David Mohrig, Wonsuck Kim (University of Texas, Austin, Texas), Julian Clark (Equinor, Houston, Texas)
2	Advances in Representing Geologic Heterogeneity in Reservoir Models (SEPM) SOLD OUT	Jake Covault, Michael Pyrcz (UT-Austin, Austin, Texas) and Richard Sech (Anadarko, The Woodland, Texas)
3	Petrography of Mudrock Hydrocarbon Reservoirs (RMAG)	Lyn Canter (Luween LLC, Denver, Colorado), David Hull (Devon Energy, Oklahoma City, Oklahoma), Joe Macquaker (ExxonMobil, Houston, Texas), Kitty Milliken (BEG, Austin, Texas) and Terri Olson (Digital Rock Petrophysics, Denver, Colorado)
4	Advanced Analytics - Machine Learning 101 (PROWESS)	Sarah Coffman (ConocoPhillips, Houston, Texas)
6	Sequence Stratigraphy for Graduate Students (SEPM) SOLD OUT	Morgan Sullivan (Chevron, Houston, Texas) and Art Donovan (Texas A&M, Houston, Texas)
7	Essentials of Unconventional Play Based Exploration (EMD)	P. Jeffrey Brown (Rose and Associates, Santa Barbara, California) and Creties Jenkins (Rose and Associates, Santa Barbara, California)
11	Implement an End-to-End Upstream E&P Workflow Solution Using Machine Learning / Beginner's Guide to Unstructured Data and Machine Learning in Oil and Gas (AAPG)	Sunil Garg (dataVedik, Houston, Texas) and Alec Walker (DelfinSia, Houston, Texas)
13	Essentials for Understanding Unconventional Mudrock Plays (SEPM) SOLD OUT	Robert Loucks, Stephen Ruppel (University of Texas, Austin, Texas), and others
POST-CONVENTION	TITLE	INSTRUCTOR(S)
15	Introduction to Data Science and Machine Learning in the Geosciences (SEPM) SOLD OUT	Didi Ooi (Anadarko, Houston, Texas) and Michael Pyrcz (University of Texas, Austin, Texas)

Cancelled:

- 5. Integrated Geologic, Seismic and Reservoir Engineering Characterization for Dual-Media Simulation in Conventional and Unconventional Fractured Reservoirs (AAPG/PSGD)
- 8. Exploration Seismology from Regional Analysis to Initial Field Development using a Case Study (AAPG)
- 9. Deltas: Processes, Stratigraphy, and Reservoirs – Core Workshop (SEPM)
- 10. Applications of Organic Petrography in the North American Shale Petroleum Systems (EMD)
- 12. Integrated Approaches in Provenance – Tools and Recent Advancements Applied to Exploration (SEPM)
- 14. Advanced Geochemical Methods (SEPM)



DATE(S) / TIME(S)	FEES	LOCATION
Friday-Saturday, 17-18 May 8:00 am-5:00 pm	Professionals \$640 Students \$150	University of Texas - J.J. Pickle Campus, North Austin, Texas
Saturday, 18 May 8:00 am-5:00 pm	Professionals \$400 Students \$100	San Antonio Marriott Riverwalk, Alamo Ballroom Salon B
Saturday, 18 May 8:00 am-5:00 pm	Professionals \$375 Students \$200	Henry B. Gonzalez Convention Center Room 006 C
Saturday, 18 May 1:00 pm-5:00 pm	Professionals \$100 Students \$50	Grand Hyatt San Antonio, Room Bowie B
Saturday-Sunday, 18-19 May 8:00 am-5:00 pm	Students Only \$50	San Antonio Marriott Riverwalk, Alamo Ballroom Salon A
Saturday-Sunday, 18-19 May 8:00 am-5:00 pm	Professionals \$995 Students \$200	Henry B. Gonzalez Convention Center, Room 006 D
Sunday, 19 May 8:00 am-5:00 pm	Professionals \$395 Students \$150	Henry B. Gonzalez Convention Center, Room 006 C
Sunday, 19 May 8:00 am-5:00 pm	Professionals \$250 Students \$100	San Antonio Marriott Riverwalk, Alamo Ballroom Salon F

DATE(S) / TIME(S)	FEES	LOCATION
Thursday, 23 May 8:00 am-5:00 pm	Professionals \$400 Students \$100	San Antonio Marriott Riverwalk, Bowie



Stay informed

Keep up to date
with us to hear the
latest in upstream
oil and gas news



www.oilfieldtechnology.com



FIELD TRIPS

PRE-CONVENTION	TITLE	LEADER(S)	DATE(S) / TIME(S)
1	Slope and Deep-Water Mixed Carbonate-Siliciclastic Architectural Elements of the Delaware Basin: A Core and Field Workshop (SEPM) SOLD OUT	Xavier Janson (Bureau of Economic Geology, The University of Texas at Austin); Greg Hurd (Chevron); Zane Jobe (Colorado School of Mines CoRE)	Wednesday, 15 May, 9:00 am–Saturday, 18 May, 7:00 pm *Trip starts in Midland, Texas and ends in El Paso, Texas
3	Mechanical Stratigraphy, Faulting, and Fracturing in Carbonates and Shale (AAPG/PSGD)	David A. Ferrill and Kevin Smart (Southwest Research Institute)	Thursday, 16 May, 8:00 am–Friday, 17 May 7:00 pm
4	Fluvial and Coastal Clastic Sedimentology and Ichnology in Modern Environments and Core (SEPM) SOLD OUT	Anton Wroblewski (ConocoPhillips and University of Utah); Stephen Hasiotis (University of Kansas); Peter Flaig (Bureau of Economic Geology, The University of Texas at Austin)	Friday, 17 May, 7:30 am–Saturday, 18 May, 6:30 pm
5	Late Cretaceous Submarine Volcanism in Central and South Texas: Loci of Carbonate Sedimentation and Hydrocarbon Accumulation (AGS/STGS) SOLD OUT	S. Christopher Caran (Christopher Caran Consulting); Thomas E. Ewing (Frontera Exploration)	Friday, 17 May, 8:00 am–Saturday, 18 May, 5:00 pm
6	Oceanic Anoxic Events 1A&B in Central Texas (SEPM) SOLD OUT	Charles Kerans and Esben Pedersen (University of Texas); Rob Forkner (Equinor); Toti Larson and Xun Sun (Bureau of Economic Geology, The University of Texas at Austin)	Saturday, 18 May, 8:00 am–7:00 pm *Trip starts and ends in Austin, Texas
7	Effects of the K-Pg Impact in Outcrops and Cores: Brazil River and IODP Core Repository (SEPM) SOLD OUT	Sean Gulick, Chris Lowery, and Daniel Stockli (The University of Texas at Austin); Richard Denne (Texas)	Saturday, 18 May, 8:00 am–7:00 pm
8	Cave and Karst Geology at The Cave Without a Name (AAPG Young Professionals) SOLD OUT	Tyler Quade (Windridge Oil & Gas); Lauren Redmond (EOG); Ali Sloan (Parsley Energy); and John Casiano (Abraxas Petroleum Corporation)	Saturday, 18 May, 10:00 am–5:00 pm
9	Following the Water: Recharge, Springs, and Historic Missions (STGS/AAPG) SOLD OUT	Thomas E. Ewing (Frontera Exploration)	Sunday, 19 May, 8:00 am–4:00 pm

POST-CONVENTION	TITLE	LEADER(S)	DATE(S) / TIME(S)
10	Geologic Controls on Production From the Upper Cretaceous Eagle Ford and Austin Chalk Formations, South Texas (SEPM) SOLD OUT	Bruce Hart (Equinor); Alexis Godet (The University of Texas at San Antonio); Mike Pope (Texas A&M)	Thursday, 23 May, 8:00 am–Friday, 24 May, 7:00 p.m
11	Geology, Frontier History, and Oenology of the Texas Hill Country (AGS/STGS)	Peter R. Rose (Rose & Associates); Thomas E. Ewing (Frontera Exploration)	Thursday, 23 May, 8:00 am–6:00 pm
13	Exploring the Origins of the Austin Chalk Cavernous Porosity: Implications for 3-D Reservoir Architecture Within Naturally Fractured Carbonate Reservoir Systems (STGS/AAPG)	Dr. George Veni (National Cave & Karst Research Institute); John Cooper (Britanco, LLC)	Thursday, 23 May, 8:30 am–6:00 pm

Cancelled:

- 2. Carboniferous Strata and Reservoir Analogs of the Sacramento Mountains, New Mexico (SEPM)
- 12. Modern Texas Coastal Geology as Reservoir Analogs (SEPM)

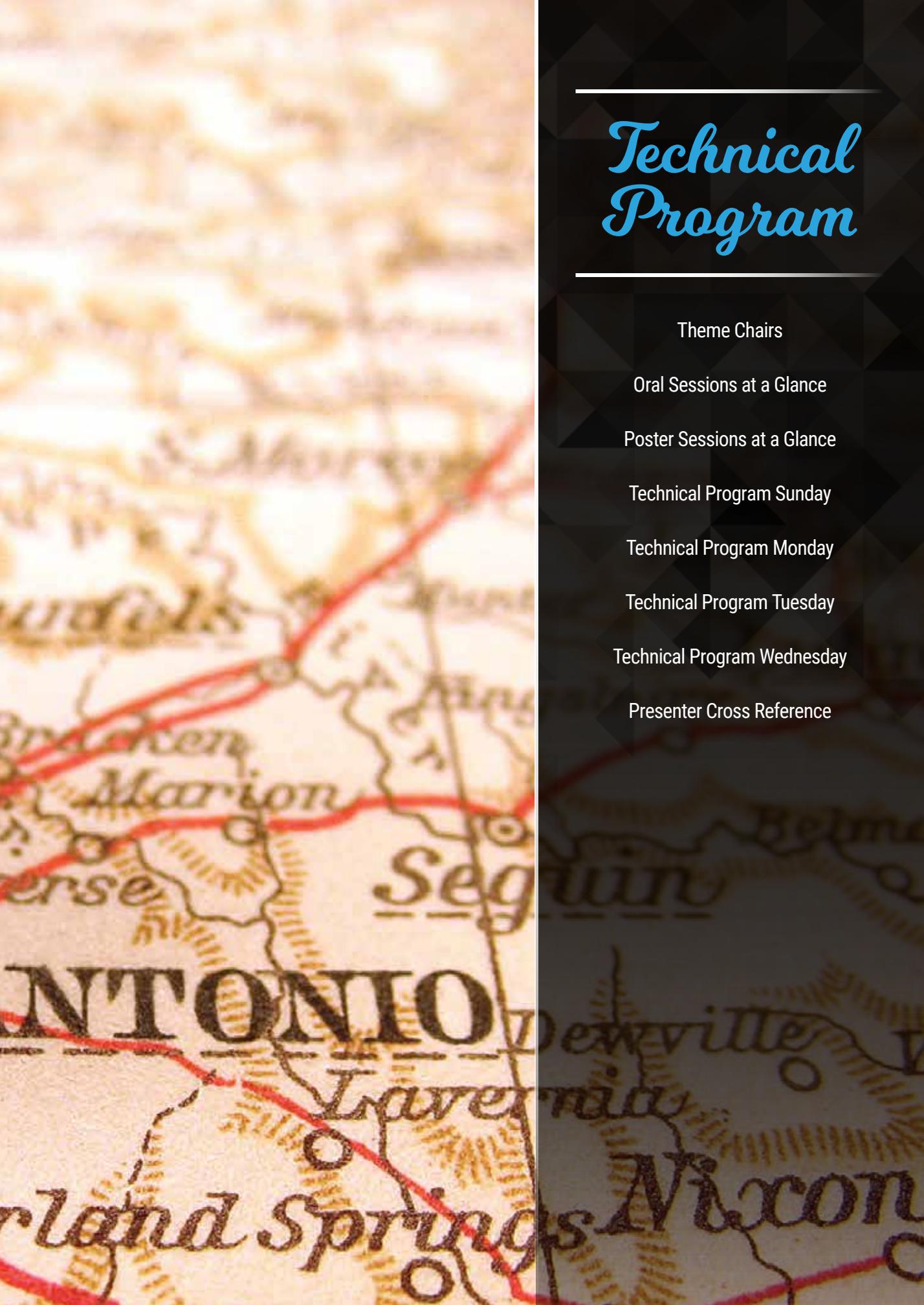
FEES
Professionals \$1200 / Students \$500 (limited) (single occupancy)
Professionals \$400 / Students \$100 (limited) *price does not include hotel accommodations
Professionals \$645 / Students \$365 (limited) (single occupancy)
Professionals / Students \$300
Professionals \$315 / Students \$100 (limited)
Professionals \$215 / Students \$100 (limited)
Young Professionals \$50
Professionals \$150 / Students \$50 (limited)



FEES
Professionals \$715 / Students \$350 (limited) (single occupancy)
Professionals and Students \$280
Professionals \$140 / Students \$50 (limited)





An antique map with a yellowish, aged appearance. The map shows various geographical features, including rivers and roads. A prominent red line, likely a major road or river, runs diagonally across the map. Several place names are visible, including 'Marion', 'Seguin', 'ANTONIO', 'Laver', 'Viccon', and 'Spring'. The text is in a classic, serif font, and the overall style is that of a historical cartographic document.

Technical Program

Theme Chairs

Oral Sessions at a Glance

Poster Sessions at a Glance

Technical Program Sunday

Technical Program Monday

Technical Program Tuesday

Technical Program Wednesday

Presenter Cross Reference

ACE 2019 TECHNICAL PROGRAM THEME CHAIRS

Theme 1: Siliciclastic Systems

Vanessa Kertzus, Shell
Ian Kane, Manchester
Theresa Schwartz, CSM



Theme 2: Carbonates, Evaporites, and Mixed Systems

Laura Zahm, Equinor
Kristin Bergman, MIT
Fiona Whitaker, University of Bristol



Theme 3: Geochemistry, Basin Modeling, and Petroleum Systems

Norelis Rodriguez, Chevron
Eric Michael, CoP
Catherine Donohue, Marathon



Theme 4: Structure, Tectonics, and Geomechanics

Caleb Pollock, Pioneer
Ronald McGinnis, SwRI
Jim Granath, Consulting Structural Geologist



Theme 5: Unconventional Resources

Harris Cander, Marathon
Pat Welch, Concho
Ned Frost, Matadores Resources



Theme 6: Energy Sustainability and the Environment

Hal Macartney, Pioneer
Vanessa Nuñez, BEG
Mike Jacobs, Pioneer
Jens-Eric Lund Snee, Stanford University
Mary Barrett, Centenary



Theme 7: Geophysics – What's New and Innovative?

Nicola Tisato, GGS/UT
Reinaldo Michelena, ireservoir
Tiziana Vanorio, Stanford University



Theme 8: Deep Integration of Data and Disciplines

Sebastian Bayer, BHP
Brendon Hall, Enthought
Ashley Russell, Equinor



Theme 9: Exploration Frontiers, Energy Minerals, and Planetary Geology

Bill Ambrose, BEG

Harry Mueller

Doug Cook, Pikes Peak Community College



Theme 13: AAPG and SEPM Student Research

Alex Janevski, Shell

Beth Strickland, Shell

Howard Harper, SEPM

Rick Sarg, School of Mines



Theme 10: Business, Finance, and Regulatory Framework

Daniel Zweidler, Consultant

Humberto Manueco, Shell

Lee Billingsley, WindRidgeGeo

Allison Sandlin, Equinor



Theme 11: SEPM Research Symposium – A Look Into the Future of Energy and Sustainability Using the Sedimentary Record

Andrea Fildani, Equinor

Jake Covault, BEG

Kiara Gomez, University of Texas at Austin



Theme 12: History of Petroleum Geology

Matt Silverman, Bayless

Amanda Haddad, BHP Billiton



ORAL AND POSTER SESSIONS AT A GLANCE

ORAL SESSIONS AT A GLANCE

	Hemisfair Ballroom 1	Room 217 B/C	Room 217 D	Room 214 B/C	Room 217 A
Sunday 11:35 am–2:40 pm			Step Changes in Petroleum Geology		
Monday 8:00 am–11:50 am	Theme 2: Characterizing Fracture and Karst Porosity and Permeability	Theme 5: Advances in Unconventional Reservoir Characterization I: The Rocks	Theme 8: New Applications of Machine Learning to Subsurface Science	Theme 4: Global Studies of Extensional and Passive Margins	Theme 1: Deep-Water Systems Architecture: From Controls to Characterization
Monday 1:15 pm–5:05 pm	Discovery Thinking	Theme 2: Permian Basin Source to Sink Sedimentology and Stratigraphy	Theme 5: Unconventional Plays: Appalachians, Rockies, and Midcontinent	Theme 4: Special Session on Salt Tectonics in Memory of Martin Jackson I	Theme 1: Deep-Water Process Stratigraphy
Monday 5:10 pm–6:00 pm	Halbouty Lecture				
Tuesday 8:00 am–11:50 am	SEPM Research Symposium I: A Look Into the Future of Energy and Sustainability Using the Sedimentary Record	Theme 5: Permian Basin Unconventionals	Theme 2: Depositional Models for Carbonate and Evaporite Systems	Theme 4: Compressional Environments: Trap to Basin	Theme 1: Source to Sink
Tuesday 1:15 pm–5:05 pm	SEPM Research Symposium II: A Look Into the Future of Energy and Sustainability Using the Sedimentary Record (PICO Session)	Theme 5: Advances in Unconventional Characterization II: From Kerogen to Produced Petroleum	Theme 2: Microbial Carbonates – Modern and Ancient Analogs for Pre-salt Deposits	Theme 4: Special Session on Salt Tectonics in Memory of Martin Jackson II	Theme 10: Opportunity Valuation
Wednesday 8:00 am–11:50 am	Theme 10: Deals and Investment Decisions	Theme 5: Eagle Ford and Austin Chalk Unconventional Plays	Theme 1: Aeolian System Dynamics: What Have We Learned in the Last 50 Years?	Theme 4: Modeling of Structural and Geomechanical Processes	Theme 1: Applied Ichnology: In Honor of George Pemberton
Wednesday 1:15 pm–5:05 pm	Theme 10: Financing	Theme 5: Advances in Unconventional Reservoir Characterization III: Predictive Technologies	Theme 1: Innovation and Technology in Biostratigraphy for Challenging Times	Theme 4: Characterizing Brittle Deformation and Its Impact on Reservoirs	Theme 9: New Global Exploration and Play Concepts

POSTER SESSIONS AT A GLANCE

	Exhibit Hall				
Monday 8:30 am–12:00 pm	AAPG Student Poster Session I	SEPM Student Poster Session I	Theme 4: Special Session on Salt Tectonics in Memory of Martin Jackson I	Theme 2: Carbonate Mixed Systems	Theme 6: Evolution of Organic and Inorganic Matrix
Monday 1:30 pm–5:00 pm	Theme 5: Analytical Techniques for Unconventional Reservoirs	Theme 9: New Global Exploration Play Concepts	Theme 7: Integration of Geology and Geophysics	Theme 1: Circum-Gulf of Mexico Clastic Systems	Theme 1: Paralic and Shallow Marine Systems I: Process Variability and Impact on Reservoir Distribution and Architecture
Tuesday 8:30 am–12:00 pm	Theme 2: Carbonates – Fractures and Karst	Theme 2: Carbonates – Depositional Models I	Theme 3: Biomarker Applications in Petroleum Systems Analysis	Theme 4: Special Session on Salt Tectonics in Memory of Martin Jackson II	Theme 4: Special Session on Salt Tectonics in Memory of Martin Jackson III
Tuesday 1:30 pm–5:00 pm	Theme 7: Geophysics: Beyond Seismic Methods	Theme 2: Carbonates – Permian Basin	Theme 2: Carbonates – Depositional Models II	Theme 8: The Digital Transformation in the Geosciences	Theme 4: Structure and Geomechanics of Unconventional Plays
Wednesday 8:30 am–12:00 pm	Theme 6: Sustainability and Carbon	Theme 5: International Unconventional Plays	Theme 3: Hydrocarbon Migration and Charge Risk Assessment	Theme 1: New Advances in Mature Basins	Theme 1: Innovation and Technology in Biostratigraphy for Challenging Times

Room 214 D	Room 214 A	Room 213 A/B
Theme 3: Geochemistry Applications in Petroleum Systems Characterization	Theme 9: Planetary Geology and Energy Frontiers	Theme 7: Integration of Geology and Geophysics
Theme 2: Linked Systems of the Cretaceous Gulf of Mexico	Theme 1: Fluvial and Deltaic Depositional Environments: Reservoir Characterization and Prediction From Multiple Scale Analysis	Theme 6: Induced Seismicity and Water Management
Theme 3: Hydrocarbon Migration and Charge Risk Assessment	Theme 8: Multi-Disciplinary Integration for Subsurface Efforts in the Age of Big Data	Theme 6: Sustainability and Carbon
Theme 3: Integrated Workflows in Petroleum Systems Modeling	Theme 1: Paralic and Shallow Marine Systems: Process Variability and Impact on Reservoir Distribution and Architecture	The Big Crew Change: Passing the Baton and Challenges Awaiting Mid-Career Geoscientists
		DEG Special Session: Environmental Impact and Sustainability
Theme 3: From Pores to Production: Unraveling Fluid Dynamics on Their Journey to the Surface	Theme 2: Carbonate Rock Properties and Reservoir Performance Prediction	Theme 7: Remote Sensing, Monitoring, and Regional Studies
Theme 8: The Digital Transformation in the Geosciences	Theme 1: Diagenesis and Rock Property Trends in Siliciclastics	Theme 7: Near the Well and Beyond: Petrophysics, Rock Physics, and Hydraulic Fractures

Theme 1: Interaction Between Sedimentation and Tectonics I and II	Theme 1: Continental Depositional Environments: Reservoir Prediction From Multiple Scale Analysis	Theme 4: Characterizing Brittle Deformation and its Impact on Reservoirs	Theme 5: Permian Basin Unconventionals	Theme 6: Carbon Storage
Theme 1: Paralic and Shallow Marine Systems II: Process Variability and Impact on Reservoir Distribution and Architecture	Theme 3: Source Rock Depositional Environments	Theme 4: Global Perspectives on Extensional Deformation	Theme 8: Multi-Disciplinary Integration for Subsurface Efforts in the Age of Big Data	Theme 1: Reserve Quality and Rock Property
Theme 1: Deep-water Sedimentology	Theme 1: Deep-water Systems: Currents and Resulting Fine(r)-grained Deposits	Theme 6: Induced Seismicity and Water Management	Theme 5: Unconventional Reservoir Technology	Theme 8: New Applications of Machine Learning to Subsurface Science
Theme 4: Modeling of Structural and Geomechanical Processes	Theme 1: Source to Sink I	Theme 1: Source to Sink II	Theme 5: Unconventional Reservoir Characterization I	Theme 5: Unconventional Reservoir Characterization II
Theme 4: Global Perspectives on Compressional Deformation	AAPG Student Poster Session II	SEPM Student Poster Session II	Theme 8: Application of Machine Learning to Imaging	Theme 5: Unconventional Plays: Appalachians, Rockies, and Midcontinent

Judges Needed!

Judges provide a valuable service to the convention and help us honor our presenters with various Best Poster Presentation and Best Oral Presentation awards. Additionally, these awards help future conferences and local societies discover and identify speakers and content that they would like to include in their events or publications. As a judge, you will help ideas and information from ACE 2019 flow out of the Texas energy sector.

Any geologist attending ACE can serve as a judge – no special qualifications are required. Visit the ACE Service Center in Room 212 Henry B. Gonzalez Convention Center to sign up!

SUNDAY AFTERNOON ORAL SESSION

Step Changes in Petroleum Geology: Historical Challenges and Technological Breakthroughs

Room 217 D

Co-Chairs: *M. R. Silverman and A. G. Haddad*

- 11:35** **Introductory Remarks**
- 11:40** **Major Trends Within American Association of Petroleum Geologists at Its Centennial:** D. A. Carlson
- 12:00** **Shales That Burn:** R. P. Sorenson
- 12:20** **Historical Transformation of the Petroleum System Methodology to Computerized Petroleum System Models and Linked Technologies:** K. E. Peters, L. B. Magoon, B. Wygrala
- 12:40** **A History of Paleogeography in Exploration: Lessons From the Past for the Next Generation of Explorers:** P. J. Markwick
- 1:00** **Petroleum Exploration Onshore Svalbard: A Historical Perspective on the Start of the Norwegian Oil Adventure:** K. Senger, P. Brugmans, S. Grundvåg, M. Jochmann, A. Nøttvedt, S. Olaussen, A. Skotte, A. Smyrak-Sikora
- 1:20** **The Contribution of Geologists Arville Irving Levorsen and Walter Karl Link to the Development of Brazilian Oil Industry:** D. Peyerl, E. M. Moretto, S. F. Figueirôa
- 1:40** **History of the Alberta Geological Survey and Its Contribution to the Petroleum Industry in Canada:** F. J. Hein, A. Beaton
- 2:00** **The Astonishing Oil History of the Gaspé Basin and Its Long March Towards a First Commercial Success:** J. Marcil
- 2:20** **History, Geology, and Politics of Livermore Oil:** A. K. Burnham



MONDAY MORNING ORAL SESSIONS

Theme 2: Characterizing Fracture and Karst Porosity and Permeability

Hemisfair Ballroom I

Co-Chairs: P. J. Moore and F. Fernandez-Ibanez

8:00 **Introductory Remarks**

8:05 **Utilizing Well Bore Data to Characterize Non-Matrix Pore Types in Carbonates:** P. J. Moore, F. Fernandez-Ibanez, H. Al-Qassab, T. Buono, E. Bunge, S. M. Fullmer, S. L. LeBlanc, A. Nolting, J. Gulley

8:25 **Mapping and Distribution of Karst Features on San Salvador Island, Bahamas Using a Morphometric Pattern Recognition Technique to Identify Depressions:**

E. M. Bunge, T. Buono, J. Gulley, K. Galvez, S. L. LeBlanc, F. Fernandez-Ibanez, S. M. Fullmer, A. Nolting, P. J. Moore, L. Nachtegaele

8:45 **The Preservation of Near-Surface, Meteoric Caves at Depth: Observations From Subsurface Data and Numerical Modeling:** A. Nolting, P. J. Moore, J. Homburg, F. Fernandez-Ibanez, T. Buono

9:05 **Fracture Development in the Interior of a Stable Carbonate Platform: New Evidence From the Distribution of Karst Features on Andros Island, Great Bahama Bank:** F. F. Whitaker, H. Mills, D. Leslie

9:25 **Refreshment Break**

10:10 **Quantitative Assessment of Karst Pore Volume in Carbonate Reservoirs Using Discrete Karst Networks:** F. Fernandez-Ibanez, P. J. Moore, G. D. Jones

10:30 **The Tidal Capillary Fringe as a Hot Spot for Dissolution in Eogenetic Carbonate Platforms:** J. Gulley, D. Breecker, M. Covington, P. J. Moore, J. Banner, C. Breithaupt, J. Martin

10:50 **Calculating Regional Diffusivity of Bahamian Carbonates by Analysis of Tidal Oscillations in Wells, Boreholes, and Karst Features:** C. I. Breithaupt, J. Gulley, P. J. Moore, T. Buono, S. M. Fullmer, A. Nolting, E. Bunge, F. Fernandez-Ibanez, Kerans

11:10 **Carbonate Shelf Margin Morphometrics: Insights From Multibeam and Airborne Lidar Bathymetry of the Caicos Platform:** C. K. Zahm, C. Kerans, D. Duncan, M. Davis

11:30 **Reservoir Implications of Facies and Diagenetic Variability in an Oolitic Grainstone – Pleistocene Miami Oolite:** P. M. Harris, S. Purkis

Tradequip
International

display@tradequip.com
800-251-6776



Reach Your Next O&G Customers

Since 1978, Tradequip International is the preeminent Energy Marketplace. Recognized and utilized globally, our print and online platforms are the O&G industry's leading resources to help you buy and sell all types of oilfield equipment, products, and services.

Our full-range of digital marketing services promote your business. Consulting, branding, website UX, content, SEO, SEM, social media, video, analytics, metrics, email, print. All of these help you own the conversation—and dominate the competition.

See what
YOUR
Business
can
BECOME

Call us at:
800-251-6776

Email us at:
display@tradequip.com

Visit us at:
tradequip.com

Theme 5: Advances in Unconventional Reservoir Characterization I: The Rocks

Room 217 B/C

Co-Chairs: *J. P. Bhattacharya, A. F. Cadena, and R.D. Wilson*

- 8:00 **Introductory Remarks**
- 8:05 **Using Noble Gases to Identify Hydraulic Fracturing “Sweet Spots” in Organic Rich Shales:** B. A. Lary, W. Eymold, C. J. Whyte, J. Harrington, J. Moortgat, T. Darrah
- 8:25 **Numerical and Empirical Evaluation of Noble Gas Diffusivity to Reconstruct Paleo Fluid Flow in the Appalachian Basin:** W. K. Eymold, B. A. Lary, J. A. Harrington, C. J. Whyte, J. Moortgat, T. H. Darrah
- 8:45 **Petrographic Evidence of the Origin of Differential Compaction in the Chert and Siliceous Shale Beds in the Woodford Shale of Oklahoma:** C. D. Hall
- 9:05 **Niobrara Surface Seismic Data—Resolution Enhancement and Reservoir Characterization Through Wavefield Re-Datuming and Inversion:** J. Behura
- 9:25 **Refreshment Break**
- 10:10 **Subseismic Scale Reservoir Complexity in a Multilayered Tight Reservoir: Combining New and Established Well Log Characterization Techniques With Seismic Attribute Analysis Sheds New Light on Reservoir Heterogeneity:** S. C. Iwuoha, D. Harazim, G. Austermann, P. K. Pedersen, C. R. Clarkson

- 10:30 **Inner Shelf Mudstones in the Cretaceous Seaway – Processes and Products:** J. P. Bhattacharya, M. Wiercigroch, M. Leung, C. Genovese
- 10:50 **Where is the Water? – A Physical Analysis of Hydraulic Fracturing Processes:** G. D. Couples
- 11:10 **Applications of High-Resolution X-Ray Fluorescence (XRF) Elemental Data in Mineral Modeling, Brittleness Indices, and Chemostratigraphic Correlation in the STACK Play of Central Oklahoma:** N. R. Hart, M. C. Dix, H. D. Rowe, A. Morrell, G. Torrez
- 11:30 **Diagenesis of Mudstones: What Can We Learn From Magnetic Studies?:** M. Anson Sanchez, G. Heij, R. Elmore

Theme 8: New Applications of Machine Learning to Subsurface Science

Room 217 D

Co-Chairs: *C. Xu, C. Pellan, and S. Bhattacharya*

- 8:00 **Introductory Remarks**
- 8:05 **Deep Learning Applied to Fault Interpretation and Attribute Computation:** D. P. Griffith, S. Zamanian, J. Vila, R. Potter, A. Vial-Aussavy, F. Menapace
- 8:25 **Applying Conditional Generative Adversarial Networks for Seismic Data Reconstruction:** R. S. Ferreira, D. A. Oliveira, E. V. Brazil

MONDAY

Get a More Complete Picture of the Permian

Explore the Delaware Basin More Accurately

From geoscience to engineering, TGS has the most complete data libraries to help E&Ps make smarter investment decisions.

We provide:

- **3D Seismic:** advanced high-resolution imaging
- **ARLAS:** using AI to make every wireline log a quad combo
- **BTM:** stratigraphic basin temperature model
- **TOC Cube:** petrophysically calibrated 3D volume of Total Organic Content

The right data at the right time.

See the energy at [TGS.com](https://www.tgs.com)



Come see us at booth
BOOTH #737



- 8:45 **Spatial Sampling Bias in Learning Tree Machine Learning Methods for Unconventional Resources:** W. Liu, M. Pyrcz, S. Ikonnikova S. Hamlin, L. Sivila
- 9:05 **A Supervised Machine-Learning Approach to Stratigraphic Surface Picking in Well Logs From the Mannville Group of Alberta, Canada:** J. C. Gosses, L. Zhang
- 9:25 **Refreshment Break**
- 10:10 **AI to Improve the Reliability and Reproducibility of Descriptive Data: A Case Study Using Convolutional Neural Networks to Recognize Carbonate Facies in Cores:** C. M. J. S. Kanagandran
- 10:30 **Conditioning Stratigraphic, Rule-Based Models With Generative Adversarial Networks: A Deep-Water Lobe Example:** H. Jo, S. E. Santos, M. J. Pyrcz
- 10:50 **Leveraging Probabilistic MVCA of Well Logs for Defining and Quantifying Sweet Spots in Heterogeneous Reservoirs:** E. V. Eslinger, F. Boyle, A. A. Curtis
- 11:10 **Representation Learning in Seismic Interpretation:** S. Purves, D. Oikonomou, B. Alaei, E. Larsen
- 11:30 **Comparison of Deep Learning Fault Interpretation From Seismic Data With Traditional and Attribute Based Techniques:** J. Lowell, W. Thorley

Theme 4: Global Studies of Extensional and Passive Margins

Room 214 B/C

Co-Chairs: *S. J. Wilkins and C. Donohue*

- 8:00 **Introductory Remarks**
- 8:05 **The Concertina Coast: A 300-Million-Year History of Extension Punctuated by Inversion and Reactivation Along Australia's Northern Margin:** M. Keep
- 8:25 **Lithospheric Evolution Along a Slowly Rifted Passive Margin: Otway Basin, Southeast Australia – A Pragmatic Approach for Petroleum Systems Modeling:** D. B. Palmowski, A. Kleine, B. Bosbach
- 8:45 **Segmentation and Mechanism of Differential Extension in the Continental Marginal Basins of the Northern South China Sea:** Y. Zhang, J. Qi, J. Wu, B. Wang, L. Li
- 9:05 **Restoring Seismic Images Based on Structural Forward Models to Reveal the Interplay Between Faulting, Erosion, and Fluvial Processes at a Basin-Bounding Growth Fault in the Bohai Bay, China:** N. Eichelberger, A. Nunns, N. D. Perez, S. Ball, D. He
- 9:25 **Refreshment Break**
- 10:10 **Integrated Analysis of Seismic Data and Potential Fields in Southeastern Gulf of Mexico With Implications to Pre-Salt Sediments and Crustal Architecture:** I. Filina, L. Hartford
- 10:25 **Reconstruction and Forward Modeling of Deep-Water Basins on the Hyperextended Atlantic Margins:** R. Whittaker, B. Ady
- 10:50 **Plates to Prospects: Interplay Between Crustal Structure and the Development of the Deep-Water Fold-and-Thrust Belts Offshore Northeast Mexico:** P. A. Marshall, D. Carruthers, C. Watkins, P. Marshall, A. Juhasz, A. Palombo, S. Roy

- 11:10 **Restoring the Late Jurassic Conjugate Margins of the Gulf of Mexico: Recent Progress and Remaining Problems:** P. Mann, A. Steier, P. Lin
- 11:30 **Spanning the End-Member Break-Up Models: Towards a Full Tectonostratigraphic Model for the South Atlantic From Conjugate Margin Data:** K. McDermott, S. Patruno, N. Hurst, L. Fullarton, P. Bellingham

Theme 1: Deep-Water Systems Architecture: From Controls to Characterization

Room 217 A

Co-Chairs: *Z. Sylvester and S. Barker*

- 8:00 **Introductory Remarks**
- 8:05 **Controls on Shelf-Margin Architecture and Deep-Water System Development in Contrasted Tectonic and Climatic Settings: Insights From Quantitative 3-D Seismic Stratigraphy:** V. Paumard, S. Lang, J. Bourget, A. Gartrell, T. Nguyen
- 8:25 **Initiation and Growth of a Giant Paleogene Slope Fan Over Stacked Mass Transport Complexes, Offshore Newfoundland, Canada:** L. C. Henry, R. D. Faerber, D. Steinhoff, M. Bolivar, E. Browning
- 8:45 **Submarine Canyon Formation During Sea-Level Rise:** J. A. Covault, Z. Sylvester, D. B. Dunlap
- 9:05 **Westward-Ho: Why Do Most Turbidite Reservoirs Offshore Ghana Stack to the West, and What Impact Does This Have on Reservoir Heterogeneity, Modeling, Connected Volume, Well Placement, and on Exploration?:** B. T. Cronin

We're Energized



Noble Energy is committed to delivering the world's growing energy needs and supporting the communities where we operate. For over 87 years our strength and discipline has fueled our success and continues to inspire our innovation.



*Energizing the World,
Bettering People's Lives®*

- 9:25 Refreshment Break**
- 10:10 Controls on Deep-Water Cutoff Styles and Their Impact on Stratigraphic Architecture:** P. D. Morris, J. A. Covault, Z. Sylvester
- 10:30 The Cape Freels Fan: 3-D Seismic Observations That Challenge the Turbidite Fan Paradigm:** R. T. Beaubouef, R. O. Bracht, S. M. Donnelly, R. J. Fitzsimmons
- 10:50 What Lies Beneath? The Sub-Seismic Character of The Perfect Fan:** A. S. Pontén, A. Groth, I. Kane, I. Netland, S. Lund Jensen
- 11:10 Heterogeneity in Unconfined Deep-Water Fans: Insights From a Quantitative Evaluation of Outcrop, Subsurface, and Computational Stratigraphy:** F. J. Laugier, T. Sun, M. D. Sullivan, A. D. Harris, A. S. Madof
- 11:30 Stratigraphic and Facies Architecture of the Delaware Mountain Group, Delaware Basin: Implications for Disposal of Hydraulic Fracturing Wastewater:** K. M. Smye, D.A. Banerji, H.S. Hamlin, R. L. Eastwood, C. R. Lemons, G. McDaid, P. H. Hennings

Theme 3: Geochemistry Applications in Petroleum Systems Characterization

Room 214 D

Co-Chairs: *K. E. Peters, D. Schumacher, and I. Arango*

- 8:00 Introductory Remarks**
- 8:05 Geochemical and Biomarker Evidence of Microbial Community Changes During Lower Cretaceous OAE 1b: Comanche Shelf, Glen Rose Formation, Central Texas:** X. Sun, R. Forkner
- 8:25 Oil to Source Rock Correlation of the Lower Cretaceous in the East Texas Basin:** J. Zumberge, S. Brown, J. Kast, H. Illich, J. Curtis*
- 8:45 Trace Metal Variability in the Lower Bakken Formation – Implications for Late Devonian Global Ocean Redox:** S. Sahoo, K. S. Hlava, B. S. Hart
- 9:05 Sedimentation Rate Variations and Trace Metal Elements as Paleoenvironmental Proxies: What Are We Doing Wrong?:** V. Crombez, S. Rohais, E. Hernandez Bilbao, L. Riquier, T. Euzen, F. Baudin
- 9:25 Refreshment Break**
- 10:10 The Confusion About Thermal Maturity With Respect to Vitrinite Reflectance, Tmax, and Other Proxies:** B. J. Katz, F. Lin
- 10:30 Biomarker Geochemistry of Early Cretaceous Sediments From West Africa:** X. Cui, B. D. Wignall, K. H. Freeman, R. E. Summons*
- 10:50 Chemometric Identification and 1-D Modeling of Geochemically Distinct Oil Tribes, an Integrated Approach to Petroleum System Analysis in the Middle Magdalena Valley, Colombia:** W. Thompson-Butler, K. E. Peters, L. B. Magoon, J. Moldowan, A. Hosford Scheirer, V. O. Blanco Velandia, S. A. Graham

- 11:10 A Regional Framework With New Insights Into the Petroleum Systems of the Carson-Bonnyton-Salar Basins, Offshore Newfoundland and Labrador, Canada:** D. Norris, E. Gillis, L. Stead, V. Mitchell
- 11:30 Top Down Petroleum System Analysis: Exploiting Geospatial Patterns in the Properties of Hydrocarbon Fluids:** Z. He, A. Murray

Theme 9: Planetary Geology and Energy Frontiers

Room 214 A

Co-Chairs: *W. A. Ambrose and D. J. Cook*

- 8:00 Introductory Remarks**
- 8:05 Effects of the Chicxulub Impact Found in the Subsurface of Northern Louisiana:** G. L. Kinsland
- 8:25 The Next Generation Planetary Exploration Geophysical System:** M. A. Brzostowski, D. Feustel
- 8:45 Energy and Minerals Drive Commercial Space Exploration:** B. L. Cutright, W. A. Ambrose
- 9:05 Return to the Moon: Risks and Rewards:** W. A. Ambrose
- 9:25 Refreshment Break**
- 10:10 Mars In Situ Resources and Utilization for Human Settlement:** D. J. Cook
- 10:30 Using Potash Identification (PID) Plot to Distinguish Commercial Potash Mineralization:** D. G. Hill
- 10:50 Geoscience Perspectives on Technology Development in Energy Storage and Implications for Strategic Mineral Exploration:** E. N. Wilson, J. R. Edmondson
- 11:10 Geothermal Resource Characterization of the Middle Devonian Slave Point Formation at Clarke Lake Field, Fort Nelson, British Columbia, Canada:** E. Renaud, N. B. Harris, J. Banks, J. A. Weissenberger
- 11:30 Electricity Generation Potential of Co-Produced Water From Active Oil Wells in Eagleville Field, Eagle Ford Shale, Karnes, and Gonzales County, Texas:** G. J. Thomas

Theme 7: Integration of Geology and Geophysics

Room 213 A/B

Chair: *Y. Li*

- 8:00 Introductory Remarks**
- 8:05 Process-Like Modeling in Turbiditic Channel Environments Constrained by Well Data, 3-D and 4-D Seismic Attributes Application to Offshore West Africa Data:** A. Barnola, S. Chokr
- 8:25 Predrill Lithoclassification in the Wolfcamp, Permian Basin, and Other Clay-Rich Plays: The Necessity of Prestack Seismic Inversion:** S. Dasgupta, C. Sayers, D. Paddock*
- 8:45 Geology and Geophysics Integrated Quantitative Characterizations of Complex Carbonate Fractured-Vuggy Reservoirs of Central Uplift in Tarim Basin:** F. Tian, X. Luo, H. Yang, S. Li, Z. Wang, C. Shen, W. Zhang, S. Yin, R. Pei, B. Zhang

- 9:05 **Prospect De-Risking Using Seismic Forward Modeling of Frequency RGB Blends:** R. M. Williams, R. Moore
- 9:25 **Refreshment Break**
- 10:10 **Feasibility Study of Improved Reservoir Mapping Using Joint Inversion of Extra-Deep Azimuthal Resistivity and Deep Shear Wave Imaging:** Z. Wei, L. Wang
- 10:30 **Workflow for Zoeppritz AVO Inversion to Estimate Seismic Anisotropy and Geomechanical Properties of Shale: Case Study of Avalon Shale, Delaware Basin:** U. Lim, N. Kabir, R. Gibson
- 10:50 **3-D Seismic Characterization of Paleokarst Collapse Features in the Arkoma Basin, Oklahoma:** O. Aboaba, C. Liner
- 11:10 **Fine Lithology and Sedimentary Facies Prediction of Carbonate Based on the Amplitude Attribute of Converted Shear Wave:** H. Wang, J. Gao, X. Guan, S. Li, J. Gui, X. Guo
- 11:30 **Acquisition Modeling for Full Waveform Inversion Model Building in the Gulf of Mexico:** H. H. Roende, D. Bate, J. Sheng, J. Kegel, T. Jhonson

MONDAY MORNING POSTER SESSIONS

AAPG Student Research Poster Session I

Exhibit Hall 9:00 am–12:00 pm
(Presenters will be in their booths 9:30am–11:00 am)

Co-Chairs: *B. Strickland and A. Uvwo*

- P1 **Evolution of Submarine Channel-Lobe Systems on a Salt-Influenced Passive Margin, Offshore Angola:** D. Howlett, R. L. Gawthorpe, A. Rotevatn, Z. Ge, C. A. Jackson
- P2 **A New Modeling Approach for Turbidite Stratigraphic Trap and Reservoir Distribution Prediction: Examples Using Deep-Water Systems of the East Coast Basin, New Zealand:** A. Crisostomo Figueroa, A. D. McArthur, L. Amy, R. Dorrell, W. McCaffrey
- P3 **Seismic Geomorphology of Deep-Water Rift Basins – Depositional Architectures in a Late Jurassic Syn-Rift Turbidite Province Offshore Norway:** F. Tillmans, R. L. Gawthorpe, A. Rotevatn, C. A. Jackson, G. A. Henstra, W. S. Helland-Hansen
- P4 **Deep Oil Cracking, TSR, Gas Invasion and Formation Mechanisms of Large Multi-Phase Reservoirs:** Z. Zhang, G. Zhu
- P5 **Climatically Influenced Progradation of a Deep-Water Turbidite Fan, Late Pliocene Syn-Rift Succession,**

"Complex stories in simple words"

GEOEXPRO

- News & articles from around the world explaining and clarifying geoscience & technology
- Suitable for **everyone** involved in the exploration, production and development of O&G resources
- Available in a format that fits into your lifestyle; **in print, online and across social media.**

FREE Weekly Digital Geoscience Bulletin

Scan the QR Code to Subscribe

Or visit www.geoexp.com/signup

Subscribe in Print & Online

- P6** **Corinth Rift, Greece:** G. Eliassen, R. L. Gawthorpe, M. Muravchik, G. A. Henstra, H. Kranis, E. Skourtsos
Selective Charging of Neogene Sand Bodies in Meandering Fluvial Systems in the Bohai Bay Basin, China: K. Zhao, Y. Jiang, H. Hu
- P7** **Top Seal Evaluation of Miocene Deep-Water Reservoirs, Southern Gulf of Mexico:** F. A. Apango, J. W. Snedden
- P8** **Understanding Fluvial to Shallow Marine Clastic Reservoir Heterogeneity From Modern Analogs Resolved by Core, GPR, and Drone Photogrammetry:** P. D. Duff
- P9** **Bed-Scale Modeling of Deep-Water Architectural-Elements: What Heterogeneities Matter to Flow?:** D. Bell, A. S. Pontén, I. A. Kane, K. Nair, A. Obradors Latre, C. Thrana, D. M. Hodgson
- P10** **Controls of Cenozoic Mass Transport Deposits on Hydrocarbon Prospectivity of the Mexican Ridges Fold-Belt, Western Gulf of Mexico:** J. Kenning, P. Mann
- P11** **Flow and Substrate Interactions of MTDs With Submarine Channels: 3-D Seismic Examples From Taranaki Basin, Offshore New Zealand:** J. C. Nwoko, I. Kane, M. Huuse
- P12** **Characterization of Stacked Meander-Belt Deposits and Implications for Steam Assisted Gravity Drainage, McMurray Formation, Alberta, Canada:** J. Curkan, S. Nejadi, P. Durkin, S. M. Hubbard
- P13** **Allogenic Versus Autogenic Controls on Sedimentation in the Fluvial-to-Marine Transition Zone: A Subsurface Study From the Dhurma Formation, Rub' Alkhalbi, Saudi Arabia:** B. H. Alshammari, N. P. Mountney, L. Colombera
- P14** **Identifying Compartmentalized Sections of Lower Vicksburg Reservoirs and the Potential for Directional Drilling in McAllen Ranch Field, Hidalgo County, Texas:** M. A. McAllen, D. Van Nieuwenhuise
- P15** **The Variability of Reservoir Quality in Submarine Slope Channel Complexes: Insights From an Outcrop Analog, Tres Pasos Formation, Chilean Patagonia:** A. Fuhrmann, B. Daniels, S. M. Hubbard, I. Kane, R. Brunt

SEPM Student Research Poster Session I

Co-Chairs: *H. E. Harper and J. F. Sarg*

- P16** **The Diversity of Bottom-Current Influenced Submarine Slope Channel Complexes: Insights From Offshore Tanzania:** A. Fuhrmann, I. Kane, R. Ferguson, E. R. Schomacker, S. Barker, R. Brunt
- P17** **Syn-Depositional Tectonics Control Three-Dimensional Channel Organization at Multiple Scales: The Arro Turbidite System, Ainsa Basin, Spanish Pyrenees:** D. E. Tek, M. Poyatos-Moré, M. Patacci, L. Colombera, A. D. McArthur, W. D. McCaffrey



Say It in Your Own Words

E&P's IndustryVoice® programs reach geologists, geophysicists, engineers and operations executives across all our media platforms – online, mobile and in print.

To increase awareness and produce a stream of qualified sales leads, use IndustryVoice® programs to gain multi-platform advantages over competitors.



Visit us in Booth #531

Contact **Darrin West** today -
dwest@hartenergy.com

HARTENERGY
IndustryVoice®
IndustryVoice.com

- P18** **Evaluating the Relationship Between Stoichiometry and Cation Ordering in Ancient Dolomites:** C. J. Manche, S. E. Kaczmarek
- P19** **Interpreting Amalgamation Processes of a Fluvial Sandstone of the Nacimiento Formation in the San Juan Basin, New Mexico:** K. E. Miltenberger, G. S. Weissmann
- P20** **From River to Delta: Down-Dip Changes in Amalgamated Sheet Sandstones Along an Exhumed Transect:** A. E. van Yperen, M. Poyatos-Moré, J. M. Holbrook, I. Midtkandal
- P21** **Modeling Heterogeneities: A Quantitative Analysis of Two Slope Channel Systems: Laguna Amarga, Cerro Toro Formation, Chile and Canyon San Fernando, Rosario Formation, Mexico:** D. I. Mendez Fermin, B. Kneller
- P22** **Unraveling the Complex Tectonostratigraphic Evolution of the Ventura Basin, California, Using Detrital Zircon Mixture Modeling:** J.C. Gilbert, Z. R. Jobe, G. R. Sharman, S. A. Johnstone
- P23** **Refining the Depositional Environments of Epeiric Sea Carbonates Through Applying Ichnologic Toolbox: A Case Study of the Upper Ordovician Stony Mountain Formation in the Williston Basin, Canada:** C. Zheng, M. Mángano, L. Buatois
- P24** **Ichnological Expressions of Low Oxygen Settings: An Ichnological Analysis of the Canol Formation, Northwest Territories, Canada:** S. K. Biddle, M. T. LaGrange Rao, B. Harris, K. M. Fiess, V. Terlaky, M. Gingras
- P25** **Depositional Controls on the Origin of Clay Minerals in the Mancos Shale (Turonian Age), Henry Mountains Region, South-Central Utah:** Z. Li, J. Schieber, D. Bish
- P26** **Paleodrainage Reconstruction of the Cretaceous Gallup Sandstone Formation, New Mexico: Insights From U-Pb Detrital Zircon Geochronology:** C. Ferron, J. Bhattacharya
- P27** **Quantitative Analysis of the Green River Formation, Piceance Basin, Colorado: A Useful Tool to Elucidate the Depositional Process of the Paleolake:** T. Wu, J. Boak
- P32** **Barrier vs. Conduit Behavior of Faults Near Salt: Examples From the Gypsum Valley Salt Wall, Paradox Basin, Colorado:** L. Lueck, M. Fischer
- P33** **Sequential Structural Restoration of the Lisbon Valley Anticline, Paradox Basin, Utah:** S. H. Lingrey
- P34** **Controls on Compartmentalization Within Supra-Salt Crestal Fault Systems: A Case Study From the Salt Valley Salt Wall, Paradox Basin, Utah:** T. Randles, S. M. Clarke
- P35** **Along-Strike Variation of Halokinesis and Structural Inheritance Along the West African Salt Basin, South Atlantic:** E. V. Legeay, J. Ringenbach, J. Callot, J. Ballard
- P36** **Evidence for Permo-Triassic Salt Tectonics in the Eagle Basin, Colorado, USA:** R. W. Pearigen, B. D. Trudgill, T. E. Hearon, M. Carr
- P37** **Role of Side-Burden Strength in the Shaping of Active Salt Diapirs:** R. Goteti
- P38** **Mesozoic Breakup of Southwest Gondwana and Basin Formation Along the Argentinean Atlantic Margin:** J. P. Lovecchio, S. Rohais, V. Ramos, P. Joseph, N. D. Bolatti

Theme 2: Carbonate Mixed Systems

Co-Chairs: *X. Janson and J. Gomes*

- P39** **Climatic Signals in Lacustrine Deposits of the Upper Yacoraite Formation, Western Argentina: Evidence From Clay Minerals, Dolomite, and Radial Fibrous Calcite:** J. Borges Gomes, R. Bunevich, S. Tonietto, D. B. Alves, J. F. Santos, F. F. Whitaker
- P40** **Stratigraphic Architecture of the Desmoinesian Bug Scuffle Limestone, Sacramento Mountains, New Mexico:** B. Rendall, G. P. Wahlman, C. Kerans
- P41** **Mixed Carbonate and Clastic Mass Failures in a Sub-Lacustrine Settings: Implications for Unconventional Hydrocarbon Systems, a Study of the Green River and Uinta Formations (Eocene), Uinta and Piceance Basins, Utah and Colorado:** F. McFarlin, L. J. Wood, J. F. Sarg, M. Pommer
- P42** **A 3-D Seismic Study of Upper Palaeozoic Carbonate and Spiculites Deposition on the Eastern Finnmark Platform (Norway):** X. Huang
- P43** **Stratigraphic Architecture and Sediment Partitioning in the Mixed Carbonate-Siliciclastic Bone Spring Formation, Delaware Basin, Texas:** W. Walker, Z. R. Jobe
- P44** **Growth Anatomy of a Modern Rift Basin Carbonate Platform (Al Wahj, Red Sea): Interplay of Rift Faulting, Salt Tectonics, Eustacy, and Climate:** P. Khanna, V. C. Vahrenkamp, B. Yalcin, A. Ramdani
- P45** **The Late Jurassic Great Barrier Reef of the North American Atlantic Continental Margin: Initial Findings From Basin Analysis-Seismic Stratigraphy:** R. Zhai, J. D. Pigott, K. L. Pigott

Theme 4: Special Session on Salt Tectonics in Memory of Martin Jackson

Co-Chairs: *M. Nikolinaou and O. Duffy*

- P28** **Shortening of Diapir Provinces: Translation, Tilting, and Rotation of Minibasins in Isolated Minibasins Systems:** T. P. Dooley, M. R. Hudec, O. Duffy, N. Fernandez
- P29** **The Messinian Salt Layer Squeezed by Active Plate Convergence in the Western Mediterranean Margins:** J. I. Soto, J. Déverchère, M. Medaouri, P. Leffondré
- P30** **Radial Fractures and Ring Faults in Sediments Overlying Layered Evaporite Sequences During Active Salt Diapirism: Insights From Geomechanical Forward Modeling:** P. Nso, A. Eckert
- P31** **Deep-Water Reservoir Distribution in a Syn-Depositionally Active Salt-Confined Mini Basin-Fill:** Z. A. Cumberpatch, I. A. Kane, C. A. Jackson, D. M. Hodgson, E. L. Soutter, B. Kilhams, A. Martinez-Doñate Gomez, D. Lee, M. Huuse, M. Finch, L. Pichel

P46 Carbonate Reservoir Distribution in a Complex, Mixed Depositional System: A New Stratigraphic Model for the Relationships Between the Paleocene – Eocene Sinjar, Khurmala, and Kolosh Formations in the Kurdistan Region of Iraq: R. Dvoretzky, N. Raterman, B. Hasan, D. Goff

Theme 5: Evolution of the Organic and Inorganic Matrix

Chair: P. Welch

P47 Critical Factors Controlling Shale Gas Adsorption Mechanisms on Organic/Inorganic Minerals Investigated Using GCMC Simulations: G. Chen, S. Lu, K. Liu, Q. Xue, C. Xu

P48 Integration of Microfacies Analysis, Inorganic Geochemical Data and Hyperspectral Imaging to Unravel Mudstone Depositional and Diagenetic Processes in Two Cores From the Triassic Shublik Formation, Northern Alaska: K. J. Whidden, J. E. Birdwell, J. A. Dumoulin, L. C. Fonteau, B. A. Martini

Theme 1: Interaction Between Sedimentation and Tectonics I

Co-Chairs: J. C. Pickens, T. Schwartz, and I. R. Clark

P49 Tectonic Evolution and Distributions of Triassic Sandstone at Bird Head Area: Implication of New Hydrocarbon Plays in West Papua, Indonesia: B. Sapiie, I. Gunawan, S. Damayanti, A. Shirly, W. Kurniawan

P50 Using Landscape Evolution Modeling to Evaluate Potential for Buried Mega-Landslide Reservoir Units Within the Basin and Range, Western USA: N. T. Ferry, D. M. Sturmer, D. J. Ward

P51 Along-Strike Prediction of Syn-Rift Fan Delta Architecture With Field, Subsurface, and Numerical Modeling Investigations: B. J. Barrett, D. M. Hodgson, R. E. Collier, R. L. Gawthorpe, R. Dorrell, T. M. Cullen

P52 Fluvial Architectures in Active Rift Settings: D. J. Somerville, N. P. Mountney, L. Colombera, R. E. Collier

P53 High-Resolution Seismic Imaging and Modeling of Structural and Stratigraphical Features in the Southwest Barents Sea: T. Faleide, A. Braathen, S. Planke, I. Midtkandal, R. Corseri, J. Faleide

P54 Synsedimentary Faulting Controls on Sandstone Distribution in an Incipient Slope System, Tres Pasos Formation, Southern Chile: S. Kaempfe, B. Romans, S. M. Hubbard, L. E. Stright, R. Englert, B. Daniels, D. Niquet



Print

It's Classy. Organized.
Vibrant and Inspirational.

When it's in AOGR,
it is also

Trusted.

- P55** **Sediment Routing and Provenance of Deep Marine Sandstones in the Late Paleozoic Oquirrh Basin, Utah:** A. Jones, D. Sturmer
- P56** **Probabilistic Assessment of Sand Presence in Continental Rift Settings:** A. D. Harris, P. J. Lovely, S. Baumgardner, K. Ghayour, T. Engelder, T. Sun, R. P. Lyons, D. Granjeon
- P57** **Controls on Submarine Channel Type and Distribution in Complex Tectonic Settings: Examples From the Hikurangi Subduction Margin, New Zealand:** A. D. McArthur, A. Wunderlich, D. E. Tek, A. Karvelas, W. D. McCaffrey
- P58** **Structural Controls on Sequence Stratigraphic Architecture During Rift Basin Development: An Example From the Northern Carnarvon Basin, North West Shelf, Australia:** A. Gartrell, J. Torres, M. Dixon, M. Keep
- Theme 1: Interaction Between Sedimentation and Tectonics II**
Co-Chairs: *J. C. Pickens, I. R. Clark, and T. Schwartz*
- P59** **Variable Inversion of Polyphase Rift Basins Impacts the Triassic Sequence Architecture of the North West Shelf, Australia:** A. Gartrell, M. Keep, C. van der Riet, L. Paterniti, S. Ban
- P60** **Mobile Shale's Evolution and Deformational Patterns in a Neogene Gravity-Driven System, Offshore Western Niger Delta:** K. I. Chima, N. M. Hoggmascall, M. Mora-Glukstad, E. Leroux, D. Do-Couto, N. Landry, D. Granjeon, M. Rabineau, O. U. Onwuka, C. Gorini
- P61** **Exploring in Mixed Axial and Transverse Post-Rift Deep-Water Systems: The Cretaceous Lysing Formation, Offshore Norway:** L. Hansen, D. M. Hodgson*, A. S. Pontén, C. Thrana, A. Obradors Latre, S. S. Flint
- P62** **Stratigraphy and Sedimentology of the Upper Bakken, Cottonwood Canyon and Lower Banff Section: Complexities Associated With Fine-Grained Depositional Systems in a Tectonically Active, Low-Accommodation Setting, and Their Implications on the Bakken Petroleum System:** J. C. Hohman, J. Guthrie, N. Hogancamp
- P63** **Evolution of the Miocene Manantiales Basin, South-Central Andes: Evidence for Strongly Coupled Rapid Basin Subsidence and Exhumation:** J. Mahoney, M. A. Mazzitelli, J. Suriano, D. L. Kimbrough, J. Metcalf, J. Metcalf, A. Lossada, L. B. Giambiagi, J. F. Mescua
- P64** **Tectonically-Controlled Submarine Canyon Initiation, Fill and Abandonment Constrained by Detrital Zircon Geochronology: Cretaceous Punta Baja Formation., Baja California, Mexico:** I. Kane, D. M. Hodgson, S. M. Hubbard, A. D. McArthur, M. Poyatos-Moré, W. A. Matthews, S. S. Flint
- P65** **Study on the Simulation Experiment of the Sedimentary Process and Sedimentary Architecture of the Alluvial Fan Under the Control of Normal Faults:** S. Wei, Z. Liu, X. Wang
- P66** **Deep-Water Channels "Swept" Downstream After Bend Cutoff in Salt Basins:** J. A. Covault, Z. Sylvester, M. R. Hudec, C. Ceyhan, D. B. Dunlap
- P67** **A New Model for the Mesozoic Tectonostratigraphic Evolution of the Gulf of Mexico Basin: New Plate Tectonic and Sediment Routing Reconstructions:** J. W. Snedden, I. Norton, Institute for Geophysics
- P68** **Three-Dimensional Forward Stratigraphic Modeling of the Sedimentary Architecture of Meandering-River Successions in Half-Grabens:** N. Yan, L. Colombero, N. P. Mountney
- Theme 1: Continental Depositional Environments: Reservoir Prediction From Multiple Scale Analysis**
Co-Chairs: *T. Payenberg, B. Vakarelov, and C. Wu*
- P69** **Modeling 3-D Facies Architecture and Heterogeneity of Fluvial Point-Bar Elements Recording Meander-Bend Rotation: Implications for Reservoir Compartmentalization:** N. Yan, L. Colombero, N. P. Mountney
- P70** **Three-Dimensional Eolian Bounding Surface Architecture of the Entrada Sandstone, Utah: Expanding Our Understanding of Reservoir Heterogeneity in Wet Eolian Systems:** E. Gross, M. Carr, Z. Jobe
- P71** **Quantitative Prediction of Sandbody Connectivity Within Distributive Fluvial Systems Using Process-Based Numerical Modeling:** S. Worms, C. M. Griffiths, A. Owen, J. A. Howell, A. J. Hartley
- P72** **Quantitative Fluvial Facies Models as Guides to Subsurface Interpretations:** L. Colombero, N. P. Mountney
- P73** **Stratigraphic Architecture of Exhumed Fluvial Channel-Belts: Anatomy of an Avulsion:** C. M. Speed, Z. Sylvester, P. P. Flaig, P. Durkin, B. T. Cardenas, T. A. Gouge
- P74** **Lessons From an Extensive Fluvial Channel and Channel Belt Parameter Database Based on Modern Data: Key Learnings and Practical Applications for the Subsurface:** B. K. Vakarelov, N. Paneva, O. K. Vakarelov, T. Payenberg
- P75** **Basinward Trends in Fluvial Architecture, Connectivity, and Reservoir Characterization of the Trail Member, Ericson Sandstone, Mesaverde Group in Wyoming, Utah, and Colorado, USA:** C. A. Jolley, S. M. Hudson
- P76** **The Interactions of Volcanism and Clastic Sedimentary Systems in Rift Basins: An Example From the Paleogene Bohai-Bay Basin, China:** H. Chen, X. Zhu, R. L. Gawthorpe, L. J. Wood, Q. Liu
- P77** **Sedimentary Characteristics of Hyperpycnites of the Lower Cretaceous Xiguayuan Formation in Luanping Basin, Northeast China: Implication for Lithological Reservoir Exploration in Ramp Margin of Rift Lacustrine Basins:** L. Dou, J. Hou, Y. Liu, L. Zhang, S. Song
- P78** **Reconstructing Fluvial Meander-Belt Morphodynamics in a UAV Structure-From-Motion Digital Outcrop:** P. R. Durkin, P. R. Nesbit, S. M. Hubbard, T. Lyons

Theme 4: Characterizing Brittle Deformation and Its Impact on Reservoirs

Co-Chairs: *J. F. Gale and R. A. Nelson*

- P80** **Fault Zone Oil Migration Pathways in Austin Chalk, Southwest Texas:** D. A. Ferrill, M. A. Evans, R. N. McGinnis, A. P. Morris, K. J. Smart, D. Lehmann, K. D. Gulliver, Z. T. Sickmann
- P81** **Fracture Patterns and Petrophysical Properties in the Kuqa Depression, Tarim Basin, and Their Relationship With Regional Folding:** Z. Wang, X. Lv
- P82** **Uncertainty Analysis in Capillary Controls Across Faults:** R. K. Davies, D. Povey, P. Wilson, S. Harris
- P83** **Structural Analysis and 3-D Modeling of a Naturally Fractured Field in the South-East Gulf of Mexico:** L. B. Sanchez, S. Mitra, R. H. Peterson, K. J. Marfurt
- P84** **Reducing Uncertainty in Fracture Modeling: Assessing User Bias in Interpretations from Satellite Imagery:** J. J. Long, R. R. Jones, S. E. Daniels, S. R. Gilment, D. M. Oxlade, M. W. Wilkinson
- P85** **Quantified Fracture (Joint) Clustering in Archean Basement, Wyoming: Application of Normalized Correlation Count Method:** Q. Wang, S. E. Laubach, J. F. Gale, M. Ramos
- P86** **Host Rock Controls on the Petrophysical Properties of Carbonate-Hosted Fault Rocks: A Case Study From Malta:** A. Cooke, Q. J. Fisher, E. A. Michie, G. Yielding
- P87** **Analogous Juxtaposition of Mixed Lithologies Against a Siliciclastic Hydrocarbon Reservoir and Proposed CO₂ Storage Formation in the Norwegian North Sea:** J. L. Osmond, M. J. Mulrooney, E. Skurtveit, A. Braathen

Theme 5: Permian Basin Unconventionals

Chair: *P. Welch*

- P88** **The Geology and Geochemistry of Helium CO₂ and Low-BTU Hydrocarbon Reservoirs in the Permian Basin:** T. Darrah, J. Harrington, C. J. Whyte, E. L. Frost, R. Poreda
- P89** **Production Profiles and Geologic Characteristics of the Wolfcamp Play:** O. H. Popova, G. Long, J. Little, S. Grape, E. Panarelli, E. Geary, A. Patel
- P90** **Grain Assemblages and Diagenesis in Organic-Rich Mudrocks, Late Pennsylvanian Cline Shale (Wolfcamp D), Midland Basin, Texas:** J. Peng, K. L. Milliken, Q. Fu, X. Janson, S. Hamlin
- P91** **3-D Basin Modeling of the Permian Delaware Basin: Tectonic Evolution Assessment to Improve Definition of Boundary Conditions:** M. R. Becker, A. Miceli Romero, A. Yu
- P92** **XRF and Lidar Survey of Bone Canyon, West Texas: A High-Resolution Sequence Stratigraphic Framework Providing Insight Into Updip Deep-Water Lithofacies:** A. Brown, J. D. Pigott
- P93** **Geochemical Characterization of Drill Cuttings to Improve Facies Classification Schemes, Refine Depositional Models, and Serve as a Predictive Tool of**

Rock Properties in the Delaware Basin: M. Nieto, H. Rowe, M. Hemenway, A. Morrell, R. Krumm, E. Matheny, H. Garza

- P94** **Refining XRF Lithofacies With SEM Analysis for the Permian Wolfcamp Shale From the Delaware Basin, Texas:** R. M. Reed, R. W. Baumgardner, S. C. Ruppel, E. Tibocho, I. Deighton, A. Birch-Hawkins
- P95** **The Evolution of the Delaware North West Shelf:** R. Ball, S. Kimiagar*

Theme 6: Carbon Storage

Chair: *K. Carter*

- P96** **CO₂ Storage Potential of the Neogene Stratigraphy in the North Viking Graben:** C. Lloyd, M. Huuse
- P97** **New Approaches and Contents for a Brazilian Atlas of Carbon Capture and Storage:** M. Ciotta, D. Peyerl*, L. V. Barrozo, L. G. Sant Anna, E. Moutinho dos Santos, C. Bermann, C. Grohmann, E. M. Moretto, C. Tassinari
- P98** **Increasing Geological Complexity of a Basin-Scale Model of the Mt. Simon Sandstone for the Simulation of Carbon Sequestration:** J. R. Damico, C. C. Monson, N. Grigsby, E. Mehnert, F. Yang
- P99** **Fault and Seal Analysis in the DeSoto Canyon Salt Basin: Implications for Offshore CO₂ Storage:** J. Meng, J. C. Pashin, R. Nygaard, A. Chandra
- P100** **Water Alternative Gas Process Optimizing for CO₂-EOR and Carbon Storage:** Z. Zhong, T. R. Carr
- P101** **Application of Geostatistical 3-D Earth Model for CO₂ Storage Capacity Estimation in Jacksonburg-Stringtown Oil Field, West Virginia, USA:** Z. Zhong, T. R. Carr
- P102** **Texas Basement Synthesis Project: Understanding Geological Risk Factors of Basement-Involved Seismicity:** O. A. Callahan, P. Eichhubl, P. H. Hennings, K. M. Smye, E. A. Horne, C. Breton, R. D. Dommissie, A. Savvaidis, C. R. Lemons

MONDAY AFTERNOON ORAL SESSIONS

Discovery Thinking Forum – “Pioneering Discoveries Driving Prosperity”

Hemisfair Ballroom I

Chair: *C. Sternbach*

See page 18 for more information on this special session.

- 1:15** **Introductory Remarks**
- 1:20** **ExxonMobil Guyana Exploration and Discovery:** M.C. Guedez
- 2:00** **Discovery of Oil in Belize After Fifty Dry Holes: Geological Insights and Exploration Timeline:** S. Morrice
- 3:25** **Permian Basin Wolfberry and Wolfbone: Discovery of World-Class Resources in a Mature Basin and New Insights:** B. Fairhurst
- 4:05** **Discovery of the Unconventional Vaca Muerta Shale Play in the Neuquén Basin, Argentina:** C. Macellari

Michel T. Halbouty Lecture (AAPG): The Future of Oil and Gas Exploration

Hemisfair Ballroom I

Chair: J. Gibbs

See page 19 for more details on this special presentation

Speaker:

5:10 **Stephen M. Greenlee**, President, ExxonMobil Exploration Company

Theme 2: Permian Basin Source to Sink Sedimentology and Stratigraphy

Room 217 B/C

Co-Chairs: *C. Kerans and L. Frost*

- 1:15 **Introductory Remarks**
- 1:20 **Anatomy of a Paleozoic Super Basin – The Permian Basin, USA: Geology, Depositional History, Basin Evolution, and Reservoir Development:** S. C. Ruppel, S. Nance, S. Hamlin, R. R. Harrington, R. G. Loucks, C. Kerans, Q. Fu, W. R. Wright
- 1:40 **Contrasting Guadalupian Infill Histories of the Midland and Delaware Basins:** C. Kerans, R. D. Dommissé, J. Rush, L. E. Waite
- 2:00 **Sequence Stratigraphic Model and Depositional Setting of The Permian Wolfcamp Tight Oil Play: Linking the Delaware and Midland Basins Through a Unified Stratigraphic Framework:** R. D. Wilson, T. Perkes, G. Hurd, M. D. Sullivan, S. J. Prochnow
- 2:20 **The San Andres (G9) – Grayburg (G10) Forced Regressive Turnaround, Brokeoff Mountains, New Mexico, USA:** J. Rush
- 2:40 **Refreshment Break**
- 3:25 **Basement-Rooted Fault Systems of the Midland and Delaware Basins and Their Influence on Early Permian Facies Distributions:** C. K. Zahm, C. Kerans, X. Janson, R. D. Dommissé, B. J. Price
- 3:45 **Controls on Wolfcampian and Leonardian Slope Morphology and Implications for Basinal Sedimentation Patterns and Stratigraphy, Delaware Basin, Southeast New Mexico and West Texas:** B. J. Price, X. Janson, C. Kerans
- 4:05 **Facies Variability Within a Single, Deep-Water Basin-Floor, Mixed Carbonate-Siliciclastic Fan (Upper Wolfcamp Formation, Permian, Delaware Basin, New Mexico):** E. P. Kvale, C. M. Bowie, C. Mace, B. Price, J. Borell
- 4:25 **Detrital Zircon U-Pb Data From the Permian Basin – Implications for Pangea Assembly, Southern Provenance and Sediment Routing:** D. F. Stockli, G. M. Soto-Kerans, L. Liu, N. Hu, X. Janson, J. A. Covault
- 4:45 **Contrasting the Stratigraphic Architecture of Carbonate Platform Across a Foreland Basin: Permian Carbonate Shelves of the Delaware Basin:** X. Janson, A. R. Hairabian, G. S. Hurd

Theme 5: Unconventional Plays: Appalachians, Rockies, and Midcontinent

Room 217 D

Co-Chairs: *D. R. Blood and L. Ko*

- 1:15 **Introductory Remarks**
- 1:20 **Methods to Assess Thermal Maturity of the Deep Utica/Point Pleasant Play in the Appalachian Basin:** T. A. Bardol
- 1:40 **Hunton Limestone: A Highly Fractured, Natural Gas-Driven, Multiple Pay Carbonate Reservoir Within the STACK Play, Central Oklahoma:** S. Pinta
- 2:00 **Facies, Depositional Environments, Chemostratigraphy, and Reservoir Quality of the Middle Devonian Marcellus Formation, Appalachian Basin, Northeastern Pennsylvania:** L. Ko, T. Larson
- 2:20 **Sequence Stratigraphy of the Niobrara Formation, Powder River Basin, Wyoming: A Tool for Reservoir Quality Prediction:** R. A. Taylor, A. Perez, J. Fenton, Z. Li, C. Davies, G. Spence, J. Brenizer, A. S. Otteman
- 2:40 **Refreshment Break**
- 3:25 **Parasequence Expression in Epicontinental Organic-Rich Mudstones: Examples From the Middle-Late Devonian of North America:** R. D. Wilson, M. D. Sullivan, R. V. Macauley, R. Kukulski, A. Springer, J. Schieber
- 3:45 **Tectonic Control on Organic-Rich Mudstone Deposition and Associated Unconformity Development in the Utica, Marcellus and Genesee Shales, Northern Appalachian Basin, USA:** L. B. Smith, R. Wilson
- 4:05 **Carbonate Concretions in the Middle and Upper Devonian Shales of the Appalachian Basin: Insights Into Origin, Formation, and Their Effects on Drilling Efficiency:** D. R. Blood, G. Lash
- 4:25 **Integrating Noble Gas Geochemistry to Better Understand Hydrocarbon Stable Isotope Reversals:** C. J. Whyte, T. Darrach*
- 4:45 **Chemostatistic Allocation of Shale Oil Using Acidic NOS Compounds Determined by Negative-Ion Electrospray Fourier Transform Ion Cyclotron Resonance Mass Spectrometry:** Y. Han, B. Horsfield, N. Mahlstedt, M. Noah, H. L. LaReau, D. J. Curry

Theme 4: Special Session on Salt Tectonics in Memory of Martin Jackson I

Room 214 B/C

Co-Chairs: *R. A. Kernen and J. I. Soto*

- 1:15 **Introductory Remarks**
- 1:20 **Minibasin Obstruction by Base-Salt Welding on a Salt-Detached Slope: An Example From the Northern Gulf of Mexico:** O. B. Duffy, N. Fernandez, F. J. Peel, M. R. Hudec, T. P. Dooley
- 1:40 **Lateral Terminations of Salt Walls and Megaflaps: Structure and Kinematics From Analog Models and the Southeast Termination of the Gypsum Valley Diapir, Paradox Basin:** E. Roca, F. Escosa, M. G. Rowan, O. Ferrer, K. A. Giles
- 2:00 **A Reversal in the Roles of Salt and Sediment in the Northern Gulf of Mexico: The Rare Effect of Allochthonous Salt Advancement and Inflation on Over-Pressured Sediment:** J. C. Fiduk
- 2:20 **Evolution of Pressure and Stress in Salt-Suture Mudrocks:** M. A. Nikolinakou, M. Heidari, M. R. Hudec, P. B. Flemings
- 2:40 **Refreshment Break**
- 3:25 **Evolution of the Salina del Bravo Region, Mexico: The Bravo Trough, Sigsbee Canopy, and Perdido Fold Belt:** M. R. Hudec, T. P. Dooley, F. Peel
- 3:45 **Salt Allochthons in the Deep-Water North-Central Gulf of Mexico (Southeast Green Canyon): Their Role in Hydrocarbon Trap Development and Minibasin Emplacement:** V. S. Mount
- 4:05 **Timing of Late Pre-Salt Faulting and Salt Mobilization in the Santos Basin, Brazil:** H. D. Lebit, J. Tilton, P. Ollagnon, S. Arasanipalai, B. Virloouvet
- 4:25 **Tectonic Origin of Major Salt Accumulations in the Precaspian Basin:** G. Schoenborn, A. Abulkhassanova, S. F. Hiebert
- 4:45 **Loading-Driven Subsidence of Minibasins Into Salt:** M. G. Rowan

Theme 1: Deep-Water Process Stratigraphy

Room 217 A

Co-Chairs: *D. Hoyal, T. M. Demko, and G. Gaillot*

- 1:15 **Introductory Remarks**
- 1:20 **Innovative Monitoring Captures the Passage and Impact of Submarine Canyon Turbidity Currents:** C. K. Paull, P. Talling, R. Gwiazda, K. Maier, S. Simmons, J. Xu, D. W. Caress, M. Wolfson-Schwehr, N. Nieminski, M. McGann
- 1:40 **Migrating Sediment Waves Formed by Turbidity Currents Along the Indian Northeastern Margin:** R. Ravindranathan, V. Kolla, P. Gupta, M. C. Mathur, N. Sinha, J. Imran
- 2:00 **Inception, Development, and Demise of Supercritical Bedforms in a Channel-Lobe Transition: Green Canyon, Abyssal Gulf of Mexico:** M. Santra, C. Olariu, D. Mohrig, E. Prokocki

- 2:20 **Autogenic Controls on Sediment Delivery to Submarine Lobes Revealed by Novel Time-Lapse Seafloor Surveys of a Highly Active Channel-Lobe System:** M. S. Heijnen, M. A. Clare, M. J. Cartigny, P. J. Talling, D. Lintern, C. Stacey, D. R. Parsons, J. E. Hughes Clarke, S. M. Hubbard, J. T. Eggenhuisen
- 2:40 **Refreshment Break**
- 3:25 **Autocyclic Modulation of Allocyclic Signals in Submarine Fans: An Experimental Study:** R. A. Ferguson, I. Kane, J. Eggenhuisen, F. Pohl, M. Tilston, Y. Spychala, R. Brunt
- 3:45 **Insights From Large-Scale Experiments: A New Depositional Model for Hybrid Beds Within Submarine Lobes:** E. Prokocki, D. Mohrig, J. Buttles, A. S. Pontén
- 4:05 **Characterizing the Roles of Sediment Concentration and Substrate Composition on the Properties of Basal Sandy Layers in Transitional Flow Deposits:** D. Mohrig, W. Koo, J. Buttles, A. Pontén, D. Sturmer
- 4:25 **Experimental Co-Deposition of Sand and Flocculated Mud From Moving Muddy Suspensions – Implications for Shale Sedimentology:** Z. Yawar, J. Schieber
- 4:45 **Recognition and Significance of ‘Scour and Fill’ Structure in Amalgamated Deep-Water Sandstones:** P. W. D. Haughton, A. J. Pulham

Theme 2: Linked Systems of the Cretaceous Gulf of Mexico

Room 214 D

Co-Chairs: *R. M. Forkner and J. E. Dahl*

- 1:15 **Introductory Remarks**
- 1:20 **Impacts of Apto-Albian OAE on the Comanche Shelf, Central Texas:** R. M. Forkner, X. Sun, C. Kerans
- 1:40 **Ocean Chemistry and Hydrodynamics as Controls of Mud Production on Great Bahama Bank:** S. Purkis, A. Oehlert, P. Swart, T. Dobbelaere, E. Hanert, P. Harris
- 2:00 **Shelf-to-Basin Architecture and Facies Variability of a Cretaceous Intraself Basin in the Northwest Gulf of Mexico:** J. Sitgreaves, C. Kerans
- 2:20 **Establishing a High Resolution Integrated Stratigraphic Framework for the Berriasian to Early Barremian of the Morocco Atlantic Margin:** O. T. Bryers, L. G. Bulot, J. Jeremiah, M. A. Casson, D. Rehakova, M. Masrour, M. Ettachfani, M. Nahim, T. L. Luber, J. Redfern
- 2:40 **Refreshment Break**
- 3:25 **New Model for Halokinetically Controlled Patch Reef Systems: A Case Study From the Fairway Field, a Major Aptian Reservoir in the East Texas Basin:** K. E. Hattori, R. G. Loucks, C. Kerans
- 3:45 **Stratigraphic Architecture of Isolated Cretaceous Carbonate Platforms: A Case Study From the El Doctor Platform, Central Mexico:** A. Eljalafi, C. Kerans

- 4:05 **Fault and Fracture Pattern Controls Hydrocarbon Accumulation: An Integrated Structural, Geomechanical, and Microscopic Study in the Northern Slope of the Tazhong Uplift in Tarim Basin, Northwest China:** F. Ning, J. Yun, Z. Zhang
- 4:25 **Carbonate Factory Recovery Following Oceanic Anoxic Events: A Closer Look at the Cow Creek Member of the Pearsall Formation in South Texas:** E. Pedersen, C. Kerans, T. E. Larson
- 4:45 **Sequence Stratigraphy of the Upper Cretaceous Austin Chalk Group in South and Central Texas:** C. M. Griffith, M. C. Pope, A. D. Donovan
- 2:00 **Heterogeneity and Connectivity of Low Sinuosity Single Thread Channel Belts in Distributive Fluvial and Delta Plain Depositional Systems:** S. C. Lang, T. Payenberg, B. Ainsworth, A. S. Madof, H. W. Posamentier
- 2:20 **Automated Workflows for Reservoir Modeling, Can We Get There?:** J. R. Mullins, B. B. Nyberg, C. H. Eide, A. Comunian, P. Renard, J. Straubhaar, J. A. Howell
- 2:40 **Refreshment Break**
- 3:25 **Scenario Testing: Exploring Uncertainty Through Sketch-Based Modeling:** M. E. H. Pataki, C. Jacquemyn, M. D. Jackson, G. J. Hampson, J. D. Machado Silva, C. Coda Marques, F. de Carvalho, M. Costa Sousa, Z. Zhang, S. Geiger
- 3:45 **Evaluating Models for Cretaceous Paleodrainage and Sediment Routing Using Detrital Zircon U-Pb Provenance and Geochronology in the Colorado Front Range:** C. Nazworth, M. Blum
- 4:05 **Fluvial Architecture and Reservoir Modeling Along Strike Direction of the Trail Member of the Ericson Sandstone, Mesaverde Group in Wyoming:** A. A. Treviño, S. M. Hudson
- 4:25 **Drones and Detrital Zircons: A Paleogeographical Reconstruction of a Long-Lived Mega-Valley in the Ferron Sandstone, Utah:** D. Kynaston, J. P. Bhattacharya, W. A. Matthews

Theme 1: Fluvial and Deltaic Depositional Environments: Reservoir Characterization and Prediction From Multiple Scale Analysis

Room 214 A

Co-Chairs: T. Payenberg, B. Vakarelov, and C. Wu

- 1:15 **Introductory Remarks**
- 1:20 **Climatically Controlled Lacustrine Clinoforms: Theoretical and Modeling Results:** J. Zhang, C. Olariu, R. J. Steel, W. Kim
- 1:40 **Is Braided vs. Meandering a Valid Distinction?:** J. M. Holbrook, S. Allen



Journal of Natural Gas Geoscience
publishes papers on natural gas
exploration & exploitation

- Open Access
- More Citations
- Peer-reviewed
- Rapid Publication
- • •



Lanzhou Literature and Information Center, Chinese Academy of Sciences



Langfang Branch of Research Institute of Petroleum Exploration and Development, PetroChina

Theme 6: Induced Seismicity and Water Management

Room 213 A/B

Co-Chairs: *J. Lund Snee and A. S. Phelps*

- 1:15** **Introductory Remarks**
- 1:20** **The Geology of Active Earthquake Sequences in Texas:**
P. Hennings, A. Savvaidis, J. Nicot, P. Eichhubl,
C. R. Lemons, K. M. Smye, E. A. Horne, R. D. Dommissie,
O. Callahan
- 1:40** **Using InSAR Surface Deformation Measurements to Study the Potential Link Between Industry Operations and Earthquakes in the Delaware Basin of West Texas:**
K. Pepin, H. Zebker, W. Ellsworth
- 2:00** **Poroelastic Models for Fault Reactivation in Response to Injection and Production: Application to an Earthquake Sequence Near Venus, Johnson County, Texas:**
M. Haddad, P. Eichhubl, E. A. Horne, P. H. Hennings,
C. R. Lemons
- 2:20** **Seismicity Induced by Hydraulic Fracturing in the Central and Eastern United States:** M. R. Brudzinski, B. S. Currie,
R. J. Skoumal, S. Fasola, R. Ries, T. Langenkamp,
P. Friberg
- 2:40** **Refreshment Break**
- 3:25** **Controlling Fluid-Induced Seismicity During a 6.1-km-deep Geothermal Stimulation in Finland:** G. Kwiatek,
T. Saarno, T. Ader, F. Bluemle, M. Bohnhoff, M.
Chendorain, G. Dresen, P. Heikkinen, I. Kukkonen, P. Leary,
M. Leonhardt, P. Malin*, P. Martínez-Garzón, K. Passmore,
P. Passmore, S. Valenzuela, C. Wollin
- 3:45** **Treatment of Gray Water Using Zeolite:** N. Hammad
- 4:05** **Fractured Bedrock Hydrogeologic Characterization Using Digital Rock Physics:** E. J. Goldfarb, L. Schmidt,
K. Ikeda, O. Alamoudi, D. Rempe, N. Tisato
- 4:25** **Geologic, Geographic, and Temporal Variations in Saltwater Disposal Practices Within the Permian Region, Texas and New Mexico, USA:** C. R. Lemons, G. McDaid,
J. Acevedo, C. L. Breton, P. H. Hennings
- 4:45** **The Importance of Pipelines in Water Management for Onshore Unconventional Development:** M. Dunkel

MONDAY AFTERNOON POSTER SESSIONS

Exhibit Hall 2:00 pm–5:00 pm

(Presenters will be in their booths 2:30 pm–4:00 pm)

Theme 5: Analytical Techniques for Unconventional Reservoirs

Chair: *N. A. Wilke*

- P2** **Uses of Satellite Image, Magnetic, and Gravimetric Analysis for Early Identification of Fault Reactivation Risk – Application to Utica Field, Ohio:** J. Uzio,
A. Bertoncello, F. Brigaud, R. Wagner
- P3** **Modeling Stimulated Rock Volumes Using DPDK Approach Coupled With Rock Mechanics:** J. H. Deng,
Z. Chen
- P4** **Determining the Mineralogy of Sedimentary Rocks From Bulk Geochemical Analysis and Chemofacies Modeling:**
I. McGlynn
- P5** **Controls on Mudrock Pore System Development in the Upper Mississippian Barnett Shale, Fort Worth Basin, Wise County, Texas:** R. M. Reed, R. G. Loucks, H. D. Rowe
- P6** **A Comparison of XRD Mineralogical Variability and Techniques With Proxy Approaches to Defining Mineralogy and Rock Type: Examples From the Wolfcamp-Dean-Spraberry Succession of the Northern Midland Basin:** H. Garza, G. Torrez, T. Moherek, H. Rowe,
P. Mainali
- P7** **Chemostratigraphy of the Woodbine and Eagle Ford Groups, Brazos Basin, Texas:** M. J. Meyer, M. C. Pope,
A. D. Donovan
- P8** **Sweet-n-Sour: Application of the Wellsite Mass Spectrometer in 3-D Unconventional Resource Development:** D. A. Wavrek, S. Field
- P9** **Characterizing the Development of North American Source Rock Reservoirs From the Ordovician-Jurassic: A Proxy-Based Multivariate Geochemical Approach:**
. R. Ritzler, E. A. Sperling
- P10** **Finding Extra Value in Elemental Concentration Data: A Mudrock Mineral Model for the Duvernay Formation Unconventional Reservoir:** L. J. Knapp, T. Nanjo,
T. Hattori, O. Haeri Ardakani, H. Sanei
- P11** **Evidence for Sediment-Hosted Lead-Zinc Deposits Indicating the Extension of the Colorado Mineral Belt, Northern DJ Basin, Colorado:** T. Inks, A. Rowe*, B. Burke
- P12** **Pore Characterization of Bakken Shales (Mississippian-Devonian) in the Williston Basin:** C. Onwumelu,
S. H. Nordeng

Theme 9: New Global Exploration and Play Concepts

Co-Chairs: A. Scardina and R. Levey

- P13** **Seismic Stratigraphy and Hydrocarbon Prospectivity in the Northern Sector of the North Falkland Basin, South Atlantic:** D. Jones
- P14** **Failures and Successes Along With the Emergence of Gas-Rich Deep Bozhong Depression in Cenozoic Lacustrine Rift Bohai Bay Basin:** J. Wang, C. Niu, D. Lv, Q. Wang, F. Wang
- P15** **Stratigraphy and Facies of the Hue Shale in Northern Alaska: Evidence for a Viable Continuous Resource Play in an Emerging Basin:** K. J. Whidden, R. O. Lease, J. A. Dumoulin, P. J. Botterell (Jarboe), C. DeVera, W. A. Rouse
- P16** **Portugal Prospective Petroleum Basins, Offshore Edge of Iberia Peninsula:** R. Fainstein, R. Pena dos Reis, B. Duarte, N. Pimentel
- P18** **Evaluating the Response of Geothermal Reservoirs in the Cheshire Basin: A Parameter Sensitivity Analysis:** C. S. Brown, N. Cassidy, S. Egan, D. Griffiths
- P19** **Geothermal Reservoir Characterization of the South Swan Hills Reef Complex, Swan Hills, Alberta:** C. Noyahr, J. A. Weissenberger, N. B. Harris, J. C. Banks
- P20** **Plays Prospectivity and Exploration Direction of Pre-Salt Section in South Gabon Basin, West Africa:** Y. Rao, H. Yang
- P21** **Real-Time Mapping, In-Situ Analysis, and Sampling of Hydrocarbons With Underwater Vehicles:** J. Gharib, L. Baksmaty, B. King, D. Lavallee, G. Sharman
- P22** **Arkoma: Uncovering Its STACkEd Pay Potential:** D. A. Yee, G. Johnston, S. Ahmed, J. Levesque, J. Wakter
- P23** **Exploration Practice of Subtle Reservoirs in Slope Zone of Shaleitian Uplift in Bohai Bay Basin:** Y. Wei, M. Peng, L. Yanlai, B. Lien, Y. Qian
- P24** **A Viable Alternative of the Energy in the Production of Coalbed Methane in Mozambican Coal Basins:** A. E. A. Macie, D. Peyerl*, E. Moutinho dos Santos, D. D. L. C. Bacci
- P25** **Updated Lithological, Biostratigraphic, and Thermal Alteration Data for the Lower Paleozoic, Offshore Labrador, Canada:** N. Bingham-Koslowski, M. A. Miller, T. McCartney

Theme 7: Integration of Geology and Geophysics

Co-Chairs: J. Behura and R. Michelena

- P26** **Study of Seismic Anomalies in the Frequency Spectrum as a Hydrocarbon Reservoir Characterizer:** A. J. Pelayo Nava, I. Omaña
- P27** **Estimation of 3-D Confidence Index for Consistent Integration of Seismic Data Into Reservoir Models:** P. Nivlet
- P28** **Post-Stack Seismic Characterization of Pore Structure Variations for Predicting Permeability Heterogeneity in Deeply-Buried Carbonate Reservoirs, Puguang Gas Field:** J. Guo, Y. Sun

- P29** **Application of Bayesian Stochastic Inversion Based on Frequency Divisions Reconstruction in Reservoir Prediction:** P. Zhang, H. Chen, B. Ren, F. Li
- P30** **Pre-Messinian Tight Reservoir Characterization – Western Nile Delta, Egypt:** T. Kurniawan, H. Farhana Hasnan*, M. Wahab, W. S. Prasetyotomo, C. Brizer, A. Mannini
- P31** **Inversion Case Studies From the SCOOP and STACK Areas in the Anadarko Basin:** S. Chopra, R. K. Sharma, J. Keay
- P32** **Seismic Azimuthal Anisotropy Analysis Applied to Natural Fracture Intensity and Azimuth Prediction: Barnett Shale Example:** J. Zhang, J. Qi, R. M. Slatt, K. J. Marfurt
- P33** **Integration of Geomechanical Modeling and Seismic Data to Predict Pore Pressure and Stress in Complex Subsurface Settings:** M. Heidari, M. Nikolinakou, P. B. Flemings
- P34** **High Resolution Seismic Sequence Stratigraphy of the NPRA, North Slope, Alaska:** S. Berg

Theme 1: Circum-Gulf of Mexico Clastic Systems

Co-Chairs: C. Pirmez, C. M. Crescini, and O. C. Mata

- P35** **Wilcox Chronostratigraphic Framework: Update 2019:** L. Zarra, R. A. Hackworth, A. C. Kahn
- P36** **Realistic Sequence Stratigraphy in the Deep-Water Gulf of Mexico Using High Resolution Borehole Images:** A. Kumar, J. Herrera, E. Ruiz, W. W. Xu, W. Cantwell
- P37** **Evolution of the Paleogene Wilcox Group Yoakum Canyon and Linking Gulf of Mexico Margin Submarine Canyons to Regional Tectonics:** C. Olariu, C. A. Clayton
- P38** **Abrupt Climate Change Superimposed on Long-Term Tectonic Control on Paleogene Gulf of Mexico Depositional Systems:** J. Zhang, J. Xu, J. A. Covault, A. M. Hessler, G. Sharman, W. A. Ambrose, D. Stockli
- P39** **Tertiary Provenance and Infilling Evolution of the Veracruz Basin, Mexico:** R. Torres, M. Martínez-Medrano, U. Hernandez-Romano
- P40** **Modern and Ancient Sediment Waves in the Deep-Water Campeche Basin, Offshore Southern Mexico: Contourites or Turbidites?:** R. R. Winter
- P41** **Miocene Current-Modified Submarine Fans in Mexican Deep-Water Areas:** L. E. Arce Perez, J. W. Snedden
- P42** **Lessons for Modeling and Production—Integrated Reservoir Characterization of a Deep-Water Channel Levee System at Horn Mountain Field, Gulf of Mexico:** A. Barclay, C. Carvajal, S. Morris, M. Mayo, T. G. Arriola, W. Partridge
- P43** **Mesozoic-Cenozoic Detrital Record of the Circum-Gulf of Mexico: Implications for Clastic Reservoir Quality Assessment:** J. I. Guzman, J. D. Clark, A. Fildani, T. Gerber

Theme 1: Paralic and Shallow Marine Systems I: Process Variability and Impact on Reservoir Distribution and Architecture

Co-Chairs: C. Olariu, J. Zhang, and V. M. Rossi

- P44 Development of High-Energy, Tidally Modulated, Barred Shoreface Deposits: Kimmeridgian-Tithonian Sandstones, Weald Basin, Southern United Kingdom, and Northern France:** L. Angus, G. J. Hampson*, F. Palci, A. J. Fraser
- P45 Time Stratigraphy of River-Dominated Delta Deposits:** B. J. Willis, T. Sun, R. Caldwell
- P46 Predicting Reservoir Connectivity Within Ancient Coastal Plain Systems During Exploration, Appraisal and Development – Pitfalls and Best Practices:** D. Harazim, P. K. Pedersen, A. Zappi, O. Guevara, E. C. Velarde Figueroa, I. Hernandez Rivera, S. M. Chavez Morales, R. Torres Vargas
- P47 Facies Variability in Deltaic Systems of Katjiesberg, Tanqua Karoo:** E. J. Reat, C. L. Johnson
- P48 Coarse, Well-Sorted, and Cross-Bedded Sandbodies Associated With Shelf Transgression, Jurassic Lajas Formation, Neuquén Basin:** E. Jung, R. J. Steel, C. Olariu
- P49 Predicting Reservoir Quality Distributions in Storm-Dominated Shoreface and Delta Environments of a Highstand Systems Tract, Lower Cretaceous Viking Formation, Crossfield Area, Alberta, Canada:** N. Díaz, J. MacEachern, S. Dashtgard
- P50 Quantitative Characterization of the Architecture of Shallow-Marine Clastic Parasequences: Applications to Reservoir Studies:** L. Colombera, N. P. Mountney
- P51 Mixed Tidal-Wave Processes in a Growth-Fault Controlled Outer Shelf Conduit Near the Pliocene Orinoco Shelf-Edge:** S. Chen, R. J. Steel, C. Olariu, J. Zhang, A. Osman
- P52 Comparative Analysis of Internal Characteristics of Delta Front Deposits of the Loyd Sandstone (Campanian) Near Rangely, Colorado, Panther Tongue of the Star Point Formation, Helper, Utah, and Lower Segó Near Floy Canyon: Controls Versus Reservoir Properties:** P. P. Flaig, S. T. Hasiotis, T. Prather
- P53 Local-Scale (<2km), Sedimentary Architecture and Depositional Process Variability of a Mudstone-Dominated Shelf Succession, Book Cliffs, Utah:** R. M. Hamlyn, K. Boulesteix, K. G. Taylor, S. S. Flint, R. Jerret

Theme 1: Paralic and Shallow Marine Systems II: Process Variability and Impact on Reservoir Distribution and Architecture

Co-Chairs: C. Olariu, J. Zhang, and V. M. Rossi

- P54 Sub-Seismic Scale Architectural Characterization of Incised Valley-Fill Successions in the Upper Carboniferous Strata of the United Kingdom Offshore: Insights From the Spireslack Sandstone, Scotland:** J. N. Bilton, A. Mitten*, S. M. Clarke, G. A. Leslie, L. Howell, R. Pettigrew, T. Cain
- P55 Cryptic Sequence Boundaries in an Ancient Offshore Mudstone-Dominated Succession: The Upper Cretaceous Mancos Shale Formation, South-Central Utah:** Z. Li, J. Schieber
- P57 The Continental Shelf as a Sedimentary Conveyor or Filter? The Role of Topset Process Regime in Controlling Sediment Distribution Patterns in Clinotherms:** G. Cosgrove, D. M. Hodgson, M. Poyatos-Moré, N. Mountney, W. McCaffrey
- P58 Building a Predictive Model for Stratigraphic Transitions and Lateral Facies Changes in the Cretaceous Almond Formation, Wyoming:** J. Phillips, S. M. Hudson, B. W. Greenhalgh
- P59 Early Miocene High Island Delta System, Offshore Texas and Louisiana:** M. I. Olariu, M. DeAngelo, D. B. Dunlap, R. H. Trevino
- P60 Lithofacies Features and Organic Geochemistry of Salt Marsh-Shallow-Marine Deposits in the Middle Mandano Formation, a Middle Pleistocene on the Boso Peninsula, Japan:** Y. Shimano, S. Takaoka, M. Ito
- P61 Deltaic Sedimentation and Stratigraphy of the Late Cretaceous Frontier Formation in the Southeast Bighorn Basin, Wyoming:** S. Mullen, D. Elmore
- P62 Sedimentological Signatures of Paleogene in Lishui Sag, East China Sea Shelf Basin:** Z. Sun

Theme 3: Source Rock Depositional Environments I

Co-Chairs: T. E. Larson, J. Knapp, and M. N. Johnston

- P64 Upper Cretaceous Source Rock Distribution, Richness, Thermal Maturity, and Petroleum Generation History, Sirt Basin, Libya:** K. A. Albriki, F. Wang*, L. Meijun, R. El Zarog, E. Ul Haq
- P65 To Deep-Water Sergipe Basin and Beyond: Q&A From Integrated Geoscience Investigations of Oils From Recent Wells:** W. G. Dickson, C. F. Schiefelbein
- P66 Source-Rock Evaluation of the Lower Cretaceous Pebble Shale Unit, Northern Alaska:** D. A. van der Kolk, M. T. Whalen, M. Wartes, R. A. Garrard, K. Bird
- P67 Rapid Characterization of Strata in the Delaware Basin by FTIR Modeling:** J. Grant, C. Xiao, G. Torrez, H. Garza
- P68 Organofacies Variability as a Function of Provenance and Process – Heterogeneity Within the Mowry Shale, Wyoming:** B. J. Steeves, S. M. Hudson

- P69** **Application of Optical Microscope and SEM to the Organic Matter Identification in the Permian Lucaogou Formation of the Jimsar Sag, Junggar Basin, Northwest China: An Implication for the Depositional Environment:** Y. Su, M. Zha, X. Ding, J. Qu
- P71** **Formation Mechanism of High-Quality Lacustrine Source Rocks in the Bozhong Depression:** W. Liu, Z. Wang, L. Ye, X. Wang, S. Liu
- P72** **A Novel Geochemical Concept for Predicting Source Rock Organofacies: Implications for Conventional and Unconventional Resources Initial Assessment:** B. I. Ghassal, R. Littke

Theme 3: Source Rock Depositional Environments II

Co-Chairs: *T. E. Larson, J. Knapp, and M. N. Johnston*

- P73** **Formation and Characteristics of the Cryogenian High-Quality Source Rock, South China:** T. Li
- P74** **Hydrocarbon Generative Potential of Oligocene Oil Shale Deposit at Onshore Penyu Basin, Chenor, Pahang Malaysia:** Y. M. Makeen Ahmed
- P75** **Petrographic and Spectroscopic Characterization of Boquillas Formation Samples Before and After Hydrous Pyrolysis: Implications for Storage Capacity and Expulsion Characteristics:** J. E. Birdwell, A. Jubbe, B. Valentine, A. Boehlke, J. Hatcherian, P. C. Hackley
- P76** **Organic Carbon in Deep-Marine Levees as a Possible Driver of Neoproterozoic Atmospheric and Oceanic Conditions, Windermere Supergroup, British Columbia, Canada:** C. M. Cunningham, B. Arnott
- P77** **Petroleum Properties and Thermal History of Taylor-Navarro Group Constrain Petroleum Migration in Maverick Basin, South Texas:** C. A. Doolan, W. Craddock, M. L. Buursink, M. Merrill, J. Hatcherian
- P78** **A Revolution in Applied Petroleum Geochemistry Fostered by Diamondoids:** J. M. Moldowan, J. E. Dahl
- P79** **Charging of LD29 Oil Field on the Southern Lope Belt of Liaodong Depression From Multiple Lacustrine Source Rock Intervals and Generative Kitchens, Bohai Bay Basin, China:** D. Tian, C. Niu, W. Pan, R. Zhang, K. Wu
- P80** **Re-Os Geochronology and Tracer Studies for Petroleum Exploration-Starting Materials to Construction of Whole Petroleum Systems:** H. J. Stein, J. L. Hannah
- P81** **Biogenic Gas Generation Process: Application to the Bay of Biscay: Data Integration and Basin Modeling:** M. Torelli, I. Kowalewski, R. Traby, M. Roger, S. Dupré, M. Cretu, E. Deville

Theme 4: Global Perspectives on Extensional Deformation

Co-Chairs: *T. E. Hearon and L. Sanchez*

- P82** **Structural and Geodynamic Modeling of the Influence of Granite Bodies During Lithospheric Extension: Application to the Carboniferous Basins of Northern England:** L. P. Howell, S. S. Egan, G. Leslie, S. M. Clarke
- P83** **Crustal Architecture Variability on Passive Margins:** M. Gouiza, P. J. Markwick*, D. A. Paton
- P84** **Reducing Exploratory Risks Using Advanced Basin Modeling in a Complex Structural Setting – A Case Study From Pará-Maranhão Basin – Brazilian Equatorial Margin:** F. Nascimento, A. Thebault, M. Callies, M. Karam, E. D. Mio*
- P85** **New Insights Into Atlantic Opening From the Bay of Biscay:** E. Butler, D. A. Paton*, P. Markwick, N. Hodgson
- P86** **The Role of Tectonic Inheritance in the Tectonic Evolution and Breakup of the Atlantic and Arctic Oceans:** B. Ady, R. Whittaker*
- P87** **Carboniferous Graben Structures, Evaporite Accumulations, and Inversion in the Southeastern Norwegian Barents Sea:** M. Hassaan, J. Faleide, R. Helge Gabrielsen, F. Tsikalas
- P88** **The Control Interaction of Extension and Strike-Slip on the Structure Characteristics in the Liaodong Bay Depression:** W. Li, X. Chen, Z. Wu, D. Zhou, K. Wu, R. Guo
- P89** **Quantitative Subsidence Analysis of the South-East of the Mesopotamian Basin, Southeastern Iraq: Implications for Basin Evolution Since the Middle Jurassic Period:** L. K. Al-Madhachi, S.M. Clarke, S. Egan
- P90** **Structural and Resource Assessment of XX Field, Onshore Niger Delta:** A. Abegunrin

Theme 8: Multi-Disciplinary Integration for Subsurface Efforts in the Age of Big Data

Co-Chairs: *V. K. Sun Chee Fore, K. Bayer, and T. D. Demchuk*

- P91** **An Integrated Approach to Reserve Addition: Success Case Scenarios From a Niger Delta Asset:** B. Matthew, O. C. Ajayi
- P92** **Integration Adds Value to Deep Water Oil Exploration and Development: A Case Study of North Gulf of Mexico From Seismic and Well Log to Simulation:** W. W. Xu, D. Shsn, A. Kumar, L. Chen, J. Canas, R. Hayden, O. Mullins, B. E. Winkelman, T. Wilkinson, J. Meyer
- P93** **Integrating WAZ and Potential Field Data for Salt Interpretation – A Case Study From Southern Gulf of Mexico:** E. Medina, S. Panepinto, S. Re, L. D. Masnaghetti, S. Ratti, L. De Luca
- P94** **Integrated Case Study From Reservoir Characterization to Improved Well Performance Evaluation in Abnormal HPHT Tight Gas Reservoir:** S. Guo, H. Z. Jie, Y. Gao, C. Ming, B. Gao*, C. H. Min, L. Bo, C. J. Chao, L. H. Geng, Z. Wei

- P95** **The Challenges Brought by Oilfield Development Methods to Geological Modeling: Big Data Paradox and Modeling Strategies Based on Horizontal Wells Data:** H. Wensong
- P86** **Quantifying the Impact of Well Spacing on Bakken Production: A Multivariate Study:** P. Rutty
- P97** **Visualizing the Microbiotic Response With Other Subsurface Data to Further Understand the Opening of the Gulf of Mexico and the Resulting Petroleum System:** R. D. Weber, B. Parker, T. D. Demchuk, J. A. Edmunds
- P98** **Hydrocarbon Charge History and Paleo Oil Reservoir Restoration in Anyue Cambrian Gas Field in Sichuan Basin: Detailed Evidence From Fluid Inclusions and Quantitative Grain Fluorescence:** X. Ma, S. Liu, X. Lu, J. Fan, H. Tian, T. Zhang
- P99** **Data-Driven Analysis of Complex Hydrocarbon Accumulations in Fractured-Vuggy Reservoirs: Making Decision Based on Facts Rather Than Previous Experiences:** F. Tian, X. Luo, H. Yang, S. Li, C. Shen, W. Pan, W. Zhang, S. Yin, R. Pei, Z. Wang
- P100** **Architecture of Buried Volcanoes as a Factor in Petroleum Systems Analysis: Cases from New Zealand Basins:** A. P. Bischoff, J. M. Beggs*, A. Nicol

Theme 1: Reservoir Quality and Rock Property Trends

Chair: *C. Oleriu*

- P101** **Stratigraphic Control on Oil Field Performance in Clastic Reservoirs of the Norwegian Continental Shelf:** K. A. S. Aliyuda, J. A. Howell, A. J. Hartley
- P102** **Investigation of Secondary Dissolution Pores and Its Diagenetic Control on the Reservoir Properties of Gas Bearing Neogene Sandstones in the Bengal Basin, Bangladesh:** L. Y. Khondakar, M. B. Imam
- P103** **Origin and Enrichment of Diagenetic Calcite in Upper Triassic Xujiahe Sandstones, Northeastern Sichuan Basin:** L. Zhang, W. Wang, Z. Shu, H. Zou
- P104** **Characteristics and Origin of the Carbonate Cements in Sandstone Reservoir under Multi-episode Oil Entrapment: A Case Study From the Eocene Shahejie Formation, Chexi Sub-sag, Bohai Bay Basin, China:** S. Yin, S. He

TUESDAY MORNING ORAL SESSIONS

SEPM Research Symposium I: A Look Into the Future of Energy and Sustainability Using the Sedimentary Record

Hemisfair Ballroom I

Co-Chairs: *J. A. Covault, A. Fildani, and K. Gomez*

See page 20 for more information on this special session.

- 8:00** **Introductory Remarks**
- 8:05** **Carbon Sequestration Through Time and Its Role as an Overlooked Driver of Earth's Long-Term Climate History:** K. D. Bergmann, N. Boekelheide, A. B. Jost, M. Cantine, T. Mackey
- 8:25** **Tracking Anoxia in Ancient Oceans: Potential and Limitations of Paleoredox Proxies in Carbonate Rocks:** K. V. Lau, D. S. Hardisty, B. C. Gill, T. W. Lyons
- 8:45** **Understanding Muddy Sedimentary Strata on Continental Margins: Significance, Knowledge Gaps, and One Perspective on What We Need for the Future:** S. J. Bentley
- 9:25** **Refreshment Break**
- 10:10** **Towards a Better Understanding of Architecture and Pore-Space Distribution in Clastic Sediments and Rocks: Studying Sedimentary Systems Using Simple Stratigraphic Forward Models:** Z. Sylvester
- 10:30** **Improving Subduction Zone Hazards Assessments Using the Coastal Stratigraphic Record:** T. Dura
- 10:50** **Sedimentology in Fifty Years:** J. B. Thurmond

Theme 5: Permian Basin Unconventionals

Room 217 B/C

Co-Chairs: *P. R. Grossi and J. S. Hnat*

- 8:00** **Introductory Remarks**
- 8:05** **3-D Structural and Kinematic Model of the Delaware Basin and Surrounding Structural Blocks for Application in Understanding Recent Seismicity:** E. A. Horne, P. H. Hennings, C. K. Zahm
- 8:25** **Seismic Geomorphology of Permian Shelf Margin, Slope, and Basin in the Northern Delaware Basin:** X. Janson, B. J. Price, C. K. Zahm, J. A. Covault, R. D. Dommissie, D. B. Dunlap
- 8:45** **Paleo Overpressure in the Delaware Basin Determined From DST, Resistivity, and Mud Logs:** M. L. Van Der Loop
- 9:05** **Quantitative Interpretation Workflow for Unconventional Reservoir Characterization in the Delaware Basin:** Y. Del Moro, V. Anantharamu, A. Mur, L. Vernik, A. Quaglia, E. Carrillo
- 9:25** **Refreshment Break**
- 10:10** **Relating Natural Fractures and Fluid Migration in Permian Basin Horizontal Wells: Ideas for Completion Optimization:** J. Harrington, B. Lary, W. Eymold, C. J. Whyte, J. Moortgat, E. L. Frost, T. Darrah

- 10:30** **Controls of Lithology Stacking Patterns on Variations in Oil Saturation, Wolfcamp A, Delaware and Midland Basins:** T. Zhang, X. Sun, L. T. Ko, P. C. Hackley
- 10:50** **Emerging Permian Plays: Revival on the Rim:** B. Davies, D. Koo
- 11:10** **Continuous, Thin-Bedded Sandy Deep-Water Lobe Deposits – A Case Study From the Lower Permian Dean Formation, Midland Basin, West Texas:** L. Liu, S. Hamlin, W. A. Ambrose
- 11:30** **U.S. Geological Survey Assessment of Undiscovered Petroleum Resources in the Wolfcamp Shale and Bone Spring Formation of the Delaware Basin, Permian Basin Province, Texas and New Mexico:** S. B. Gaswirth

Theme 2: Depositional Models for Carbonate and Evaporite Systems

Room 217 D

Co-Chairs: *F. Whitaker and J. M. Rivers*

- 8:00** **Introductory Remarks**
- 8:05** **Are Carbonate Barrier Islands Mobile?:** J. M. Rivers, R. W. Dalrymple
- 8:25** **From Grain to Flume Tank: Analyzing the Hydrodynamic Behavior of Carbonate Sediments:** J. J. Reijmer, A. Sloopman, M. de Kruijff, R. de Boer, J. Kranenburg
- 8:45** **Influence of Inundated Erosional Landscapes in Localizing Coarse-Grained Heterozoan Carbonate Reservoir Facies:** I. P. Thompson, R. H. Goldstein, E. K. Franseen
- 9:05** **Ooids as Archives of Past Conditions:** P. M. Harris, M. Diaz, G. P. Eberli
- 9:25** **Refreshment Break**
- 10:10** **$^{87}\text{Sr}/^{86}\text{Sr}$ Isotope Ratios as a Tool for Stratigraphic Correlations in Pre-Salt Carbonates, Santos Basin, Offshore Brazil:** M. Obermaier, J. Amthor, A. J. Barnett, E. Manzo, E. W. Adams
- 10:30** **Integrated Digital Outcrop Modeling of a Large-Scale Carbonate Slope System: The Upper Cretaceous-Paleocene Ionian Basin of Albania:** J. Le Goff, J. Reijmer, A. Sloopman, J. Jaballah, E. Dujoncquoy
- 10:50** **The Flooding of a Carbonate Platform: The Eastern Yucatán Platform as a Model for Transgressive Carbonates:** V. P. Wright, N. H. Platt
- 11:10** **Optimizing Subsurface Predictions in a Mississippian Carbonate Field, Central Alberta, Canada – Part 2:** P. Bauman, C. Barton
- 11:30** **Facies, Sedimentary Characteristics, and Seismic Geometry of a Carbonate Delta Drift (Miocene, Maldives, Indian Ocean):** C. Betzler, T. Lüdman, J. Reolid

Theme 4: Compressional Environments: Trap to Basin

Room 214 B/C

Co-Chairs: *D. Quinn and J. F. Flinch*

- 8:00** **Introductory Remarks**
- 8:05** **Evolution and Plays of the Banda Arc:** P. W. Baillie
- 8:25** **Character of the Caribbean Crust Revealed: Initial Observations of New and Reprocessed Seismic Data:** K. R. Reuber, J. L. Pindell, A. Goswami, C. Campbell, A. V. Bliss, B. W. Horn
- 8:45** **Structural Restoration of Cretaceous Inversion Events in the Bjørnøyrenna Fault Complex, Western Barents Shelf:** M. F. Miraj, C. Pascal, J. Faleide, R. Gabrielsen
- 9:05** **Using Quantitative Characterization of Strike-Slip Restraining Bends to Predict Hydrocarbon Accumulation – A Case Study From Liaodong Bay Segment, Tan-Lu Fault Zone, East China:** Y. Liu, X. Huang, K. Wu
- 9:25** **Refreshment Break**
- 10:10** **Transforming the Transform: Insights Into the Tectonostratigraphic Development of the Ghanaian Transform Margin From Newly Acquired Long-Offset Reflection Seismic Data:** K. G. McDermott, N. Hurst, S. Patruno, P. Bellingham
- 10:30** **Structural Evolution of La Florida Anticline and Petroleum System in a Foreland Fold Belt, Eastern Cordillera Foothills, Colombia:** Z. Albeshier, J. N. Kellogg, I. Hafiz, E. M. Saeid
- 10:50** **Structural Characteristics of Ultra-Deeply Buried Structures in the Northern Longmen Shan Fold-Thrust Belt, Sichuan Basin, China:** H. Liang, L. Long, Q. He, Q. Ran, G. Di, X. Chen, Y. Zhang, R. Liu, G. Xu
- 11:10** **Structural Evolution of Kohat Potwar Fold Thrust Belt of Pakistan:** H. Ghani, E. Sobel, G. Zeilinger, J. Glodny, S. Zapata, I. Irum
- 11:30** **Shear-Enhanced Compaction Folds: A New Class of Folds Interpreted From Observations in the Colombian Basin, Caribbean Sea:** S. J. Wilkins, J. R. Jacobs, D. M. Jones, T. D. Waller

Theme 1: Source to Sink

Room 217 A

Co-Chairs: *B. Romans, B. Dixon, and R. J. Steel*

- 8:00** **Introductory Remarks**
- 8:05** **The Conversion of Tectonic and Climatic Forcings Into Stratigraphic Signals of Sediment Supply and Provenance:** G. R. Sharman, Z. Sylvester, J. A. Covault
- 8:25** **From Quantitative 3-D Seismic Stratigraphy to 3-D Sequence Stratigraphy: Insights Into the Vertical and Lateral Variability of Basin-Margin Depositional Systems at Different Stratigraphic Orders:** V. Paumard, J. Bourget, B. Ainsworth, T. Payenberg, A. D. George, S. Lang

- 8:45** **A Big Fan of Signals? Exploring Autogenic and Allogenic Processes in Lobyte3D, a Numerical Stratigraphic Forward Model of Submarine Fan Development:** P. Burgess, I. Masiero, S. Toby, R. Duller
- 9:05** **Sediment Volume Partitioning Into Deep Water and its Implications to Continental Margin Building:** J. Zhang, W. Kim, C. Olariu, R. J. Steel
- 9:25** **Refreshment Break**
- 10:10** **Climate and Bedrock Controls on Sediment Supply to the Paleogene Gulf Coast, Texas, USA:** A. M. Hessler, J. Zhang, J. A. Covault, W. A. Ambrose
- 10:30** **Provenance and Morphology of Extensive Oligocene-Miocene Deep-Water Fan Systems Sourced From Chiapas-Veracruz and Sierra Madre Oriental, Gulf of Mexico:** J. D. Clark, J. A. Ochoa, D. F. Stockli, A. Fildani, T. Gerber, J. A. Covault, J. I. Guzman, J. S. Vinnels, J. Marshall
- 10:50** **Sediment Routing From Shelf to Basin Floor in the Quaternary Golo System of Eastern Corsica:** M. L. Sweet, G. T. Gaillot
- 11:10** **The Berbice Valley and Canyon System of Guyana: A Cross-Shelf Incised Feeder of Giant Cretaceous Age Deep-Water Fans:** L. J. Wood, O. Ugwu-Oju, S. Cardona
- 11:30** **Sediment Storage and Recycling in the Supply of Sand to the Indus Submarine Fan, Arabian Sea:** P. D. Clift, Y. Li, P. Zhou, P. O'Sullivan, D. Stockli
- 10:50** **Integration of Basin Modeling and Geomechanics for Stress and Fracture Prediction – A Case Study From the Lower Magdalena Valley Basin (Colombia):** C. I. Guerra, J. C. Hidalgo, A. Henk
- 11:10** **Naturally Occurring Underpressure – A Global Perspective:** T. C. D. Birchall, R. E. Swarbrick, K. Senger
- 11:30** **Thermal Regime Deep-Water Sergipe and Potiguar Ceara Basins Brazil Related to Fracture Zones, Active Faults, and Volcanic Activity; Observations From Wells and Seismic Data Applied to Petroleum Systems Modeling:** F. Mosca, N. Bruder, H. T. Aasmayr, T. J. Godo, C. Moss, B. LeCompte, H. Upshall

Theme 8: Multi-Disciplinary Integration for Subsurface Efforts in the Age of Big Data

Room 214 A

Co-Chairs: V. K. Sun Chee Fore, K. Bayer, and T. D. Demchuk

- 8:00** **Introductory Remarks**
- 8:05** **Lineage Metadata as a Critical Component of Data Trustworthiness for Subsurface and Analytics Applications:** P. Neri
- 8:25** **A Multidisciplinary Approach to Unlocking the Key Drivers in the Midland Basin:** D. Law
- 8:45** **Integration of Geoscience and Engineering Disciplines: An Example From Permian Basin Legacy Oil Fields:** D. M. Duran, D. Smith, D. Nguyen
- 9:05** **Multidisciplinary Characterization of the PETM Hyperthermal Event in Central Texas: Palynology, Isotope Chemistry, and Sedimentology:** T. D. Demchuk, C. Denison, K. Gardner, M. Stephenson, J. O'Keefe
- 9:25** **Refreshment Break**
- 10:10** **Accurate Age Control in Clastic Deep-Water Depositional Systems From Multidisciplinary Chronostratigraphic Analysis:** E. Szymanski, R. Hackworth, J. Hearon, A. Kahn, L. A. Febo, A. C. Gary
- 10:30** **Inter-Disciplinary Data Integration for Completions Optimization:** A. Popescu, I. Kuvaev
- 10:50** **Recovery Factor Geo-Cellular Tool: A Simple Digital Testing Workflow:** O. Dada, S. Bayer, V. Muralidharan, J. Stewart, E. Rosen
- 11:10** **A Multi-Disciplinary Workflow to Achieve the Largest, Seamless, High-Quality Presalt Image in Santos Basin, Brazil:** S. Arasanipalai, P. Ollagnon, H. D. Lebit, J. Tilton, B. Virlovet
- 11:30** **Assessment of Geomechanical Impacts on Breccia Pipes in Underground Potash Mining With Brine Injection Operations:** R. Alcalde, B. Nemeth, B. Shrestha, E. Araujo

Theme 3: Hydrocarbon Migration and Charge Risk Assessment

Room 214 D

Co-Chairs: D. Herrera, D. B. Palmowski, and J. E. Little

- 8:00** **Introductory Remarks**
- 8:05** **Scaling Petroleum Migration Using Oil Tracers: Models and Experiments to Assess the Oil Migration Timing and Distance:** C. Sandu, I. Al Atwah, K. R. Aroui
- 8:25** **Suppression of Vitrinite Reflectance by Bitumen Generated From Liptinite During Hydrous Pyrolysis of Artificial Source Rock:** K. E. Peters, P. C. Hackley, J. J. Thomas, A. Pomerantz
- 8:45** **A Geochemical Appraisal of the Potential Source(s) of Oils in the STACK and SCOOP Plays in the Anadarko Basin, Oklahoma:** P. Philp, C. Symcox
- 9:05** **Petroleum Systems Analysis in the Santos Basin: New Risks in the Extension of the Pre-Salt Play?:** M. Lawson, J. Sitgreaves, J. Stewart, S. E. Gelman, S. P. Becker, P. H. Figueredo, C. A. Johnson, G. D. Karner, A. Muhammad, J. D. Shoffner
- 9:25** **Refreshment Break**
- 10:10** **Estimating Hydrocarbon Column Heights Based on Seal Capacity:** R. E. Swarbrick, R. W. Lahann, S. O'Connor
- 10:30** **Using Stochastic Charge Modeling Techniques to Understand Oil and Gas Column Uncertainties:** O. Sylta, A. Tommeras, M. Daszinnies, N. Manoharan

Theme 6: Sustainability and Carbon

Room 213 A/B

Co-Chairs: V. Nuñez and K. Carter

- 8:00** **Introductory Remarks**
- 8:05** **Midwest Regional Carbon Sequestration Partnership: Findings From the Michigan Basin Phase III Injection Test Monitoring Program:** M. Kelley, L. Cumming*, A. Conner, N. Gupta
- 8:25** **Opportunities for Offshore CCS in the Gulf of Mexico:** T. A. Meckel, R. H. Trevino, S. D. Hovorka
- 8:45** **High-Resolution Subsurface Mapping of Depositional Cycles Within the Lower Part of the Huron Member of the Ohio Shale: Detailed Snapshots of Basin Development in Central and Eastern Ohio:** C. Waid
- 9:05** **Regional Characterization of an Oil-Bearing Reef Complex for Factors Affecting Assessment of Associated CO₂ Storage:** A. Haagsma
- 9:25** **Refreshment Break**
- 10:10** **Evaluation of Offshore Reservoirs for Potential Carbon Sequestration Through an Integrated Basin Analysis – Seismic Stratigraphic Approach: Example-Mid Atlantic USA:** J. D. Pigott, R. Zhai, K. Pigott, M. Rossi, C. Schlosser, A. Parent, N. Ripepi
- 10:30** **Geologic Framework of an Anthropogenic Carbon Capture and Sequestration System at the Kemper County Energy Facility, East-Central Mississippi:** C. L. Wethington
- 10:50** **What Have We Learned After 20 Years of Carbon Capture and Storage Research in the Illinois Basin?:** H. E. Leetaru, C. Korose
- 11:10** **Time-Dependent Supercritical-CO₂ Relative Permeability and Its Impact on Large-Scale CO₂ Storage in Carbonate Reservoirs:** H. Wang, V. Alvarado, J. Kaszuba, Z. Jiao, J. F. McLaughlin
- 11:30** **Applying Exploration Common Process to Site Selection for Geologic Carbon Storage Complexes:** C. D. Walker, T. Espie, J. C. Evenick, J. Hodgkinson, S. Shoulders, A. Ross

TUESDAY MORNING POSTER SESSIONS

Exhibit Hall 9:00 am–12:00 pm

(Presenters will be in their booths 9:30 am–11:00 am)

Theme 2: Carbonates: Fractures and Karst

Co-Chairs: A. Nolting and J. Harms

- P1** **Timing and Mechanism of Calcites in Fractures of Middle Ordovician of Northern Tarim Basin, North West China:** Z. Qiao, S. Zhang, A. Shen, A. Hu, J. Zhao
- P2** **Multiphysics Numerical Modeling of a Naturally Fractured Carbonate Reservoir Analog:** I. Gomes, T. Miranda, R. Santos, J. P. Silva, J. A. Barbosa, A. I. Paz, J. P. Fernandes, R. da Silva, P. R. Bernardes

- P3** **Modeling the Structure, Porosity, and Permeability of the Arbuckle Group in South-Central Kansas:** A. Hollenbach, T. S. Bidgoli, E. Ansari
- P4** **Karst Heterogeneities: Static Modeling and Impact on Field Flow Behavior:** P. Henriquel, J. Franco, M. Lepphaille
- P5** **Oomolds in a Marine Realm? A Case Study From the Permian Basin's Happy Spraberry Field:** A. Albader, J. Laya, B. Miller, S. E. Kaczmarek
- P6** **Integrating Cores, CT, NMR, HPMT Data, and Well Logs to Characterize the Pore Structure of Carbonates – A Case Study From the Mishrif Formation in Southeast Iraq:** H. Liu, B. Liu, Z. Tian, R. Guo
- P7** **Dolostone-Limestone Transitions in the Hydrothermal Dolomitization System: Origin, Controls, and Evolution:** A. I. Koeshidayatullah, C. E. Hollis, J. Stacey, H. J. Corlett, A. Boyce, N. Al-Sinawi, J. Redfern
- P8** **Geometric Quantification of Dolomitized Clinoforms Using Digital Outcrop Models and Surface-Based Modeling: Insights for Geobody Connectivity From Outcrop Analogs:** C. Teoh, C. Jacquemyn, J. Laya, F. J. Hasiuk, S. E. Kaczmarek, F. F. Whitaker
- P9** **Integrated Seismic-Log-Core-Test Fracture Characterization and Modeling, Barra Velha Formation, Pre-Salt of Santos Basin:** R. S. Correa, C. E. Pereira, F. A. Cruz, S. N. Lisboa, M. P. Junior, V. H. Souza, C. H. Rocha, F. G. Araujo, R. R. Melo de Carvalho
- P10** **Karst Breccias and Pseudobreccias in the Ordovician Carbonates in the Halahatang Area, Tarim Basin, Northwestern China:** Q. Fu

Theme 2: Carbonates: Depositional Models I

Co-Chairs: M. C. Pope and A. Godet

- P11** **Late Ordovician-Early Silurian Sequence Framework and C-Isotope Stratigraphy of the Williston Basin:** A. Husinec
- P12** **Pleistocene to Holocene Transgressive System (TST) of the Western Arabian Gulf, Saudi Arabia:** L. A. Gonzalez
- P13** **Paleokarst Reservoirs in the Lower Carboniferous (Mississippian) Madison Group and the Jura-Cretaceous Success Formation of West-Central Saskatchewan:** D. J. Kohlruss
- P14** **Sediment Drift Types in Carbonate Platform Settings:** T. Luedmann, M. Paulat, C. Betzler
- P15** **Tectonic and Climate Control on the Seismic Architecture of Palaeocene-Eocene Isolated Carbonate Banks of the Offshore Indus Basin, Pakistan:** K. Shahzad, C. Betzler
- P16** **Depositional Modeling Carbonate Strand Plain Development Using High-Resolution GPR and C-14 Dating:** K. Markert, J. McBride, S. M. Ritter
- P17** **Geology of West Karun Oil Fields Shared Between Iran and Iraq:** Y. Shahin
- P18** **Analytical Solutions for Growth of Linear Carbonate Platforms:** N. Goudemand, P. Singh*, J. L. Payne

- P19** **Depositional and Facies Models in Evaporitic Sediments: A Case Study of the Prairie Evaporite and Lotsberg Formations in South-Central Alberta:** E. Lord, N. Harris
- P20** **Subsurface Facies and Non-Matrix Features Characterization of Sandy Point, San Salvador Island, Bahamas: Impact on Porosity, Permeability, and Fluid Flow:** A. Nolting, S. L. LeBlanc, S. M. Fullmer, P. J. Moore, F. Fernandez-Ibanez, T. Buono, J. Gulley, E. Bunge, H. Al-Qassab, C. Kerans
- P21** **Petrophysical Characteristics of Carbonate Drift Deposits in the Maldives:** E. L. Giddens, G. P. Eberli, R. J. Weger, T. Luedmann, A. Slagle

Theme 3: Biomarker Applications in Petroleum Systems Analysis

Co-Chairs: *A. Bennett, J. A. Curiale, and L. Heister*

- P22** **Aliphatic and Aromatic Biomarkers of the New Albany Shale, Illinois Basin:** C. W. Brazell, S. C. Brassell, A. Schimmelmann, M. Mastalerz
- P23** **Origin Analysis on Anomalies in Enriched 25-Norhopanes in Crude Oil From the Karamay Formation of Santai Oilfield in Junggar Basin, Northwest China:** M. Hou, M. Zha, X. Ding
- P24** **Integration of Fluid and Rock Geochemical Parameters to Constrain Thermal Maturity Indicators in Paleozoic Organic-Rich Source Intervals:** D. C. Willette
- P25** **A Data-Driven Method for Processing and Analysis of Gas Chromatography-Mass Spectrometry (GC-MS) Signals in Differentiation of Oil Samples:** L. Lu, A. N. Bishop, Y. Tang, R. Bisquera
- P26** **Pay Allocation and Reservoir Depletion Analysis Through Geochemical Technologies:** M. N. Slack, D. A. Wavrek
- P27** **Microbial and Thermogenic Petroleum Systems in the Colombian Offshore Caribbean – New Geochemical Insights in an Emerging Basin:** F. Gonzalez-Penagos, A. V. Milkov, E. R. Lopez, L. M. Duarte
- P28** **Evidence for Several Charges of Migrated Gas in Austin Chalk, Eagle Ford, and Buda Reservoirs on the San Marcos Arch:** A. S. Kornacki, K. S. Weissenburger
- P29** **Geochemical Fingerprinting Applications in Petroleum System Assessment:** F. S. Al Najjar, B. I. Ghassal
- P30** **Molecular Fractionation of Organic Matter at Microscales Within Ordovician Kukersites Revealed by Nano-Infrared Spectroscopy:** A. M. Jubb, P. C. Hackley, J. J. Hatcherian, J. Qu, T. O. Nesheim
- P31** **Diamondoids in Oil-Inclusions: A Novel Technique to Unravel Petroleum Mixing in the Anadarko:** Al-Atwah, J. M. Moldowan, J. Dahl
- P32** **Charging of Severely Biodegraded Oils Surrounding the Northern End of Liaodong Uplift from Multiple Lacustrine Source Rock Intervals, Bohai Bay Basin, China:** D. Tian, C. Niu, W. Pan, K. Wu, R. Zhang

Theme 4: Special Session on Salt Tectonics in Memory of Martin Jackson II

Co-Chairs: *C. Rodriguez and G. Schoenborn*

- P33** **Louann Salt Evolution in the Northeastern Gulf of Mexico From Middle Jurassic to Present:** A. Mattson, R. M. Gani, N. D. Gani
- P34** **Sedimentology and Stratigraphy of the Cretaceous Evaporites of the West African Margin, Insight From the Proximal Domain of the South Gabon, Congo, and Cabinda Area:** A. Pichat, V. Delhaye-Prat, A. Pedley, L. Gindre-Chanu
- P35** **Loading a Complex Salt Isopach: Progradation Across a Salt-Filled Rift System** T. P. Dooley, M. R. Hudec,
- P36** **Implications of Variations in Salt Geometry for Exploration in the Brazil Salt Basins:** E. Carlock, J. Stewart, J. R. Sitgreaves
- P37** **A Conceptual Model of Deformation Near Tertiary Salt Welds:** M. P. Fischer, N. J. Williams, Z. Li, D. P. Canova
- P38** **Structural Analysis of Disrupted Carbonate Caprock Underlying a Salt Shoulder, Gypsum Valley Salt Wall, Paradox Basin, Colorado:** H. K. Draper, K. A. Giles
- P39** **Differential Translation of Supra-Canopy Minibasin Domains in the Northern Gulf of Mexico Slope:** N. Fernandez, O. Duffy, F. J. Peel, M. R. Hudec
- P40** **Seismic Characterization of Salt Stratifications: A Santos Basin Overview:** P. Barros, A. Maul, J. Fonseca, L. Teixeira, T. Yamamoto, F. Borges, M. González
- P41** **Coupling Between Sedimentation and Deformation: How Emergence of Mini-Basins Connects to Turbidity-Current Sedimentation:** X. Liu, D. Mohrig, J. Buttles
- P42** **Lean Salt Architecture in the Northern Gulf of Mexico:** W. J. Beck, S. Tierrablanca, T. Buckley, H. D. Lebit
- P43** **Characterization of Counter-Regional Normal Faulting in the South Gabon Basin from 2-D Seismic Interpretation:** D. T. Scott
- P44** **Evaluation of Sealing Performance of Multi – Stage Abutting Faults in The Bohai Bay Basin, China:** J. Ren, K. Su, H. Rui, P. Liu, X. Zhang, Y. Yao

Theme 4: Special Session on Salt Tectonics in Memory of Martin Jackson III

Co-Chairs: *N. Fernandez and R. Goteti*

- P45** **Multiple Stages of Syndepositional Halokinetic (?) Deformation in the Permian Cutler Formation, Northern Margin of the Onion Creek Diapir, Paradox Basin, Utah:** D. F. Lankford-Bravo, K. A. Giles, R. Langford
- P46** **Origin of Supra-Salt Synclines in the “Post Diapiric” Jurassic Morrison Formation, Big Gypsum Valley, Colorado:** A. Soltero, R. Langford, K. A. Giles
- P47** **The Salt Layer as Important Key to the Pernambuco Plateau Petroleum System, Northeast Brazil:** O. J. Filho, B. Buarque, J. A. Barbosa, G. Ramos, J. Oliveira, J. Magalhães, H. Da Silva, M. L. Alencar, A. Araújo, A. Celestino

- P48** **The 3-D Geometry and Distribution of Sub-Seismic Scale Halokinetic Unconformities: Implications for Salt Minibasin Evolution and Associated Reservoir Architecture:** J. Cebers-Korkmaz, S. M. Clarke, S. Jones, T. Randles, R. Pettigrew, T. Dodd
- P49** **Miocene Evaporites of the Carpathian Foredeep Basin and Their Role in Formation of Gas-Bearing Contractural Structures – 250 Years of Geological and Geophysical Studies:** P. Krzywiec, M. G. Rowan, K. Bukowski, N. Oszczytko, J. Przybylo
- P50** **Spatial and Temporal Variation of Fault Activity in the Terrebonne Salt Withdrawal Basin, Southeastern Louisiana: Response to Salt Evacuation and Sediment Loading:** A. O. Akintomide, N. H. Dawers
- P51** **Evidence for Extensional Rollover Subbasins and Salt Withdrawal Minibasins Adjacent to the Aulet and Adons Diapirs, Spanish Pyrenees:** C. Gannaway Dalton, K. A. Giles, J. A. Muñoz, M. G. Rowan
- P52** **Quantifying Deformation of the Permian Halokinetic Cutler Group, Paradox Basin, Utah Using Rock Magnetic Methods: Implications for Salt Tectonics and Salt-Related Petroleum Systems:** J. Stine, J. Geissman, D. Sweet, J. F. Ferguson
- P53** **Origin, Characteristics, and Distribution of Non-Halite Clasts Within Patawarta Diapir, Flinders Ranges, South Australia:** R. A. Kernen, K. A. Giles, M. G. Rowan
- P54** **Syn depositional Folds Developed in Salt Wall Roof Strata, Paradox Basin, Utah and Colorado:** R. Langford, K. A. Giles*, D. F. Lankford-Bravo, R. Ronson, A. Soltero, C. H. Bailey, R. A. Delfin, J. McFarland, E. Heness
- P55** **Structure and Kinematics of the Central Sivas Basin (Turkey): A Mixed Fold- and Salt-and-Thrust Belt:** E. V. Legeay, J-C. Ringenbach, C. Kergaravat, A. Pichat, G. Mohn, K. S. Kavak, J-P. Callot
- Theme 1: Deep-Water Sedimentology**
Co-Chairs: *T. Heard and I. Kane*
- P56** **Sedimentologic and Stratigraphic Evidence for Flow Transformations as Turbidity Currents Encounter Intraslope Minibasins: Implications for Up-Dip Stratigraphic Traps From an Outcrop Analog:** R. G. Englert, S. M. Hubbard, B. Romans, S. Kaempfe, L. E. Stright
- P57** **Quantifying the Relationship Between Structural Deformation and the Morphology of Submarine Channels From Shelf-Edge to Deep Water: Case P58 Studies From the Niger Delta System:** W. H. Mitchell, A. Whittaker, L. Lonergan, M. J. Mayall
- P58** **Studies From the Niger Delta System:** W.H. Mitchell, A. Whittaker, L. Lonergan, M. J. Mayall
- P59** **Depositional Architecture of a Slope Fan Fed by Multiple Channel Systems:** R. S. Healy, L. A. Hansen, D. M. Hodgson, A. S. Pontén, R. J. Wild, I. A. Kane, S. S. Flint
- P60** **Attribute Analysis and Morphologic Evaluation of an Incised Valley System in the Santos Basin, Brazil:** J. Tilton, H. D. Lebit, H. Bedle
- P61** **Late Pleistocene Rio Grande and Bryant Fans: Two Unique Deep-Sea Fan Types in the Northern Gulf of Mexico and Their Implications for Petroleum Systems:** J. E. Damuth, H. Olson, C. Nelson
- P62** **Downslope Variability in Deep-Water Slope Channel Fill and Stacking Patterns: Insights From Outcrop and Shallow Seismic Analogs:** B. G. Daniels, S. M. Hubbard, L. Stright, B. W. Romans
- P63** **Deep-Marine Mudrock Chemostratigraphy in the Windermere Turbidite System, Cariboo Mountains, Canada: Implications on Provenance and Sequence Stratigraphy:** L. Navarro, G. Mitczarek, S. Ludzki, B. Arnott
- P64** **How Do Submarine Canyon-Channel Systems (re)Shape Continental Margins?:** L. A. Pettinga, L. Shumaker, Z. R. Jobe
- P65** **Geometric Modeling of a Turbidite System: Roadmap to Pore Pressure Distribution:** A. J. Welker, A. Eckert*, J. Obrist
- P66** **Architecture of Channel Levee Build Up in Unidirectional Migrating Turbidite Channel Complexes in Plio-Pleistocene Channel Levee System of Indus Offshore Basin, Pakistan:** E. Ul Haq, J. Youliang
- P67** **Influence of Mass Failure Deposit Topography on Post-Emplacement Sediment Gravity Flows and Fills: Offshore Eastern Trinidad:** H. Deng, L. J. Wood, W. Zhou, L. Moscardelli
- Theme 1: Deep-Water Systems: Currents and Resulting Fine(r)-Grained Deposits**
Co-Chairs: *E. Arce-Perez and J. F. Bijkerk*
- P68** **Morphology, Seismic Characteristics, and Origin of Widespread Sediment Waves in a Submarine Canyon System on the Northern South China Sea Margin:** F. Lyu, W. Li, J. Li, L. Li, J. Wu
- P69** **Origin-Based Classification Scheme for Fine-Grained Sediments: A Case Study From the Eocene Green River Formation in Uinta Basin:** C. Zhou, Z. Zhijie, J. Zhang, R. J. Steel, C. Olariu, X. Yuan, D. Cheng
- P70** **New Insights Into the Permeability Barriers Between Submarine Channels and Their Levees, Eocene Brito Formation, Sandino Basin, Nicaragua:** S. P. Cossey
- P71** **Regional Depositional Setting of the West Orphan Basin; The Importance of Contour Current Processes on Stratigraphic Trap Generation in a Hybrid Depositional System:** S. M. Donnelly, R. T. Beaubouef, R. O. Bracht, R. J. Fitzsimmons
- P72** **Origin and Significance of Thin-Bedded Packets Interleaved in Sandy Deep-Sea Fan Successions:** E. A. Morris, P. D. Houghton, P. M. Shannon, C. Pierce, A. J. Pulham, O. J. Martinsen, S. P. Barker
- P73** **Lateral Heterogeneity of Distal Submarine Lobe Deposits, Point Loma Formation, California: Implications for Lateral Facies Prediction in Horizontal Wells:** K. B. Kus, Z. R. Jobe, F. J. Laugier, M. D. Sullivan

- P74** **Sedimentary Model of Fine-Grained Sediments: A Case Study From the Holocene Qinghai Lake:** Z. Zhang, C. Zhou, X. Yuan, W. Kim, P. Li, H. Zhou
- P75** **Spatial and Temporal Evolution of Matrix-Poor to Matrix-Rich Sandstones in the Ordovician Cloridorme Formation, Quebec, Canada: A Detailed Reassessment of Greywackes After Half a Century:** J. Ningthoujam, R. Arnott
- P76** **The Deep-Water Channels Migration and Evolution Under the Inference of Bottom Current in Offshore Mozambique, East Africa:** X. Xu, D. Shao, G. Zuo, Y. Lu, H. Sun, Q. Cao
- P77** **An Integrated Study on the Spatial Distribution and Formation of Contourites:** D. Beelen, L. J. Wood

Theme 6: Induced Seismicity and Water Management

Chair: *T. S. Bidgoli*

- P78** **Geostatistical Analysis of Injection Activity and Seismic Events in the Dallas-Fort Worth Region:** Y. Xiao, M. J. Pyrcz, C. R. Lemons, P. H. Hennings
- P79** **Characteristics of Potentially Seismogenic Faults in the Greater Fort Worth Basin:** E. A. Horne, P. H. Hennings, J. Osmond
- P80** **Quantifying Fault Stability in the Fort Worth Basin, Texas:** A. Morris, P. H. Hennings, H. DeShon, A. Price
- P81** **Basin-Scale Hydrogeological Modeling of the Fort Worth Basin Ellenburger Group for Pore Pressure Characterization:** J. Nicot, R. S. Gao, P. H. Hennings, R. D. Dommissie
- P82** **Impact of Varied Approaches for Fault Slip Potential Analysis in the Fort Worth Basin, Texas:** P. Hennings, J. Lund Snee, J. Nicot, E. A. Horne, M. D. Zoback
- P83** **Development of a Three-Dimensional Vertical Stress Model for the Greater Permian Basin Region:** K. M. Smye, E. A. Horne, P. H. Hennings
- P84** **Geochemical Sourcing of Produced Waters From Soil Dumps and Spills: A Case Study From the Permian Basin:** M. Engle, D. Akob, D. Kent, T. Gregston, I. Cozzarelli, J. Jaeschke, A. Jubb, W. Orem, M. Marvin-DiPasquale
- P85** **Key Technologies for Green Development of the Fuling Shale Gas Field:** Y. Zang, Y. Liu, Z. Wang
- P86** **Upgraded Lighting Practices in the Oil and Gas Industry Help to Protect the Night Skies at McDonald Observatory and Improve Visibility in the Field:** W. Wren

Theme 5: Unconventional Reservoir Technology

Chair: *B. R. Davis*

- P87** **Integrated Monitoring of Steam Chamber Development Using Time-Lapse PP-PS Joint Inversion: A Case Study of Oil Sands Reservoir, Canada:** W. Bo, Q. Nie, L. Hong, C. Wang, X. Zhang

- P88** **Reservoir Quality and Fractures System Assessment of Meramec and Osage Limestone by Using Advanced Log Analysis Method:** X. An, L. Wu
- P89** **Identification of Triggers for Organic Matter Burial of the Middle and Upper Devonian Horn River Shale, Northeastern British Columbia, Canada:** H. Zhou, N. B. Harris
- P90** **Integration of XRF and Shades of Grey Profiles for In-Depth Characterization of Shale Properties:** A. Cheema, J. D. Chatellier*, J. Afzal
- P91** **Estimating Lithologic Facies in Argillaceous and Carbonate-Rich Mudrocks Using X-Ray Fluorescence Measurements and Multivariate Statistics:** T. E. Larson, E. Sivil, K. Hattori, R. G. Loucks, S. C. Ruppel
- P92** **Moisture Equilibration and Permeability of Crushed Shale Samples:** M. Achang
- P93** **Geology of the Turner Sandstone, Finn-Shurley Field, Powder River Basin Wyoming:** S. A. Sonnenberg
- P95** **Optimizing Portable ED-XRF Calibration Routine for Sandstones and Carbonate Reservoirs: Examples From the Delaware Basin and Central Basin Platform:** A. Morrell, H. Rowe, M. C. Dix
- P96** **A Comparison of Kerogen Maturity Analysis in Shales Using Laser Raman Spectroscopy, Vitrinite Reflectance and Rock-Eval Pyrolysis:** D. G. Henry, I. Jarvis, G. Gillmore, M. Stephenson, C. Vane
- P97** **Influence of Mineralogy and Composition on the Geomechanical Properties of the Duvernay Unconventional Liquids Rich Gas Shale Play (Alberta, Canada): A Well Log Perspective:** M. Venieri, P. K. Pedersen, D. W. Eaton

Theme 8: New Applications of Machine Learning to Subsurface Science

Co-Chairs: *C. Xu, C. Pellan, and S. Bhattacharya*

- P98** **Managing Data Traceability in the Data Lifecycle for Deep Learning Applied to Seismic Data:** R. Souza, E. Vital Brazil*, L. Azevedo, R. Ferreira, D. Salles Chevitarese, E. Soares, R. Thiago, M. Nery, V. Torres, R. Cerqueira
- P99** **Semantic Segmentation Pipeline for Seismic Data:** D. Salles Civitarese, D. Szwarcman, E. Vital Brazil
- P100** **Mineralogical Estimation of Organic Rich Mudrocks From Well Logs Using Neural Networks: Overcoming Training Dataset Size Limitation by Integrating X-Ray Fluorescence Elemental Data:** M. A. Al Ibrahim, T. Mukerji, A. Hosford Scheirer
- P101** **Machine Learning Multi-Attribute Analysis for Gas Hydrate Identification:** H. Bedle, J. Chenin
- P102** **Advanced Quantitative Stratigraphic Data Integration of Conventional and Unconventional Plays:** X. Liu, Y. Xiong, T. Vodo, A. Smith, M. A. Lorente

- P103 An Application of Dynamic Time Warping in Rapid Depth Shifting to Improve the Quality of Machine Learning Training Datasets:** M. W. Bauer
- P104 A Bi-Directional Long Short-Term Memory Neural Network for Geologic-Facies Classification:** J. Jiang, S. C. James, S. C. Atchley
- P105 Study on Flow Unit of Turbidite Fan Low Permeability Reservoir Based on Self-Organizing Neural Network Algorithm:** Y. Lu, K. Liu, Y. Wang
- P106 Reservoir Modeling With Deep Learning:** G. H. Graham, Y. Chen
- P107 Applied Insight From Machine Learning Applications Using Analog Data:** J. L. Faroppa

TUESDAY AFTERNOON ORAL SESSIONS

SEPM Research Symposium II: A Look Into the Future of Energy and Sustainability Using the Sedimentary Record PICO Session

Hemisfair Ballroom I

Co-Chairs: A. Fildani, K. Gomez, and J. Covault

See page 20 for more information on this special session.

- 1:15 Introductory Remarks**
- 1:20 Understanding Ice-Sheet Vulnerability Using an Integrated Subsurface Sedimentary Geoscience Approach: Preliminary Results From Neogene and Quaternary Records Acquired During IODP Expedition 374 to the Ross Sea, Antarctica:** B. W. Romans, L. De Santis, R. M. McKay, D. K. Kulhanek, E. Scientists
- 1:25 Submarine Fans, the Carbon Cycle, and Climate Models:** A. M. Hessler
- 1:30 Opportunities for Incorporating Deep-Time Insight About Landscape Dynamics into Engineering and Decision-Making Models:** E. A. Hajek, V. Ganti, E. Greenberg
- 1:35 Using Earth's Sedimentary Record to Inform Studies of Delta Channel Deposits on Mars:** T. A. Goudge, D. Mohrig, B. T. Cardenas, C. M. Hughes, C. I. Fassett
- 1:40 Conservation Paleobiology – Using Ancient Examples of Marine Extinctions to Understand and Mitigate Future Ecosystem Collapse:** R. C. Martindale, W. Foster, A. M. Weiss
- 1:45 Exploiting Autogenic Sedimentary Processes to Synchronize Geologic and Modern Timescales of Environmental Change:** B. Z. Foreman, K. M. Straub
- 1:50 Predictions for the Width of River Channel Belts From Physical Experiments and the Rock Record:** A. B. Limaye, C. Paola
- 1:55 Integrating Observations From Recent Seafloor Surveys With the Deep-Water Stratigraphic Record: Implications for Securing Energy Resources, Geohazard Assessments, and Other Potential Applications:** S. M. Hubbard, R. Englert, M. Cartigny, M. Clare, J. Eggenhuisen, Z. R. Jobe, S. Hage, M. Heijnen, D. Vendettuoli

- 2:00 Building a Geothermal Future on a Sedimentary Foundation:** J. M. Holbrook
- 2:05 Hydrologic Variability and Fluvial Responses to Increased Warming During the Paleocene Eocene Thermal Maximum, Piceance Creek Basin, Colorado, USA:** A. K. Lesko, B. Foreman

Theme 5: Advances in Unconventional Reservoir Characterization II: From Kerogen to Producible Petroleum

Room 217 B/C

Co-Chairs: W. K. Camp and K. L. Canter

- 1:15 Introductory Remarks**
- 1:20 New Techniques and Applications of Organic Petrography and Spectroscopy: Insights for Shale Petroleum Systems:** P. C. Hackley, A. Jubb, B. Valentine, J. J. Hatcherian, R. McAleer
- 1:40 Detailed Characterization of Hydrocarbons in Source Rocks and Mud Rock Reservoirs by Thermal Extraction-Evolved Product GC-MS and GC-MS/MS Analysis:** T. B. Malloy, K. Bissada, M. Mei, L. M. Darnell, J. C. Wright
- 2:00 Delaware Basin GOR and Production Forecasting:** M. Bhatia, J. Lee, T. Blasingame, H. Nasrabadi, B. Hascakir, D. McVay
- 2:20 Dual Pore-Connectivity and Wettability and Fluid-Accessible Pathways of Shale:** Q. Hu
- 2:40 Refreshment Break**
- 3:25 Solid Bitumen in Shales: Facies and Maturity Effects on Microstructures:** D. Misch, D. Gross, B. Horsfield, J. Klaver, R. F. Sachsenhofer, J. Schmatz, J. L. Urai
- 3:45 Implications of Solid Bitumen in Source-Rock Reservoirs:** M. Mastalerz, A. Drobnik
- 4:05 Pore Characteristics in Refractory Kerogen vs. Solid Bitumen and Pore Systems in the Dry-Gas Window Marcellus Formation, Appalachian Basin, Northeastern Pennsylvania:** L. Ko, P. C. Hackley, R. G. Loucks, T. Zhang, C. Wu
- 4:25 Tracer-Guided Characterization of Dominant Pore Networks and Implications for Permeability and Wettability in Shale:** S. Peng, R. M. Reed, X. Xiao
- 4:45 Pyrolysis-Based Model Prediction of API Gravity in the Producible Fluid Saturations of Organic-Rich Unconventional Reservoirs:** A. S. Pepper

Theme 2: Microbial Carbonates: Modern and Ancient Analogs for Pre-salt Deposits

Room 217 D

Co-Chairs: *K. D. Bergmann and J. Sitgreaves*

- 1:15 **Introductory Remarks**
- 1:20 **Unusual Carbonate Facies and Precipitates: Is the Precambrian the Key to the Cretaceous Pre-Salt Carbonates? – Part 1:** J. Amthor, K. Bergmann, R. Camara, K. Juk, Shell Brazil
- 1:40 **Styles of Pre-Salt Carbonate Platforms, Brazil Santos Basin:** T. Simo, J. Sitgreaves, E. Smith, U. Bayram, J. Stewart
- 2:00 **Lacustrine Carbonate Platform Development – A Multi-Scale Approach to Build Predictive Models:** J. Sitgreaves, T. Simo, M. Lawson, J. Stewart, U. Bayram, C. López
- 2:20 **Rapid Modeling of Microbial Carbonates Using a Sketch Based Tool:** C. Jacquemyn, M. D. Jackson, D. W. Hunt, D. Hulme, G. McQueen, I. Shepherd
- 2:40 **Refreshment Break**
- 3:25 **Geochemistry of Unusual Carbonate Facies: Is the Precambrian the Key to the Cretaceous Pre-Salt Carbonates? Part 2:** K. D. Bergmann, J. Amthor, M. Cantine, A. B. Jost
- 3:45 **Fitting the Facies Mosaic Together: Controls on Lateral Heterogeneity of Microbial Reefs:** M. D. Cantine, A. Cummings, K. D. Bergmann
- 4:05 **The Influence of Faults on the Deposition of Large Lacustrine Carbonate Mounds in the Green River Formation of Utah and Wyoming: Implications for Understanding Spatial Distribution and Reservoir Quality:** E. A. Jagniecki, J. J. Scott, J. Janick, M. D. Vanden Berg
- 4:25 **Reservoir Insight From World-Class Microbialite Outcrops – Cambrian of Central Texas:** A. W. Droxler, . M. Harris, P. Khanna, H. H. Hopson, D. Lehrmann
- 4:45 **Lessons From Hamelin Pool and the Maldives for the Coquina Reservoirs in Libra, Santos Basin:** G. P. Eberli, E. Suosaari, E. Karaca, M. Díaz, C. Betzler, T. Lüdmann

Theme 4: Special Session on Salt Tectonics in Memory of Martin Jackson II

Room 214 B/C

Co-Chairs: *Z. Cumberpatch and M. G. Rowan*

- 1:15 **Introductory Remarks**
- 1:20 **Recognition of Passive Salt Diapirism in the Rock Record:** K. A. Giles, M. G. Rowan
- 1:40 **New Frontiers in Salt Research:** P. A. Kukla, J. L. Urai, F. Strozyk
- 2:00 **Minibasin Stratigraphy and Related Trapping Styles in Salina del Istmo Basin, Gulf of Mexico, Mexico: New Insights From 3-D Seismic Stratigraphy and Geomorphology Interpretation:** C. Rodriguez, J. Hernandez, R. A. Ysaccis, S. Villarreal, K. Lyons, F. Snyder, M. Mikhaltrev, M. El-Toukhy, S. A. Centanni, E. Galvan, , S. A.
- 2:20 **Strontium Isotope Dating of Evaporites and the Breakup of the Gulf of Mexico and Proto-Caribbean Seaway:** J. L. Pindell, B. Weber, W-H. Elrich, S. P. Cossey, M. R. Bitter, R. S. Molina, R. H. Graham, R. N. Erlich
- 2:40 **Refreshment Break**
- 3:25 **Polyphase Deformation of Salt Diapirs in the Shallow Water Campeche Basin of Mexico:** T. Heyn, A. S. Afifi, R. Zhang, R. R. Winter, A. R. Hospedales
- 3:45 **Computational Forward Modeling of Salt Tectonics in Varied Tectonic Settings: Computational Challenges, Applications, and Future Directions:** D. Roberts, F. Paw
- 4:05 **Using Seismic and Physical Modeling to Characterize the Origin and Deformation of Sediment Clasts Within Patawarta Diapir, Flinders Ranges, South Australia:** R. A. Kernen, T. P. Dooley, K. A. Giles, M. G. Rowan, F. J. Peel, M. R. Hudec
- 4:25 **Supra-Salt Carapaces in the Western Betic Cordillera, Spain: Characterizing an Outcropping Example of a Key Element in Salt Tectonics:** J. F. Flinch, J. Soto
- 4:45 **The Louann Salt of the Gulf of Mexico: How Long Does it Take to Deposit a Giant Salt Deposit?:** F. J. Peel

Theme 10: Opportunity Valuation

Room 217 A

Co-Chairs: *E. G. Hathon and D. C. Zweidler*

- 1:15 **Introductory Remarks**
- 1:20 **Opportunity Valuation and Investment Decisions – A Tale of Narratives and Numbers:** D. C. Zweidler
- 1:40 **Conventional Exploration: Smaller, Stronger, and Back in the Black:** J. Wilson
- 2:00 **The Role of Serendipity, Randomness, and Luck in Petroleum Exploration:** A. V. Milkov, W. C. Navidi
- 2:20 **Holistic Approach to Business Development – An Integrated Team and Approach to Create Results:** D. M. Hartz
- 2:40 **Refreshment Break**
- 3:25 **Role of the Geologist in Oil and Gas Acquisitions and Divestitures:** J. S. Hamilton

- 3:45 **Production Forecasting: Improved Understanding of Why Sparse Data, Static and Dynamic Reservoir Modeling Limitations, and Human Bias Lead to Optimistic Recovery Forecasts:** W. S. Meddaugh
- 4:05 **Utilizing Multivariate Statistical Modeling to Incorporate Geologic, Operational, and Economic Variables to Develop a Graded Acreage Model in the Eagleford:** S. Mathukutty
- 4:25 **Leveraging Data and Building Analytics-Driven Valuations:** J. Lepore

Theme 3: Integrated Workflows in Petroleum Systems Modeling

Room 214 D

Co-Chairs: *J. Berthelon and R. Tscherny*

- 1:15 **Introductory Remarks**
- 1:20 **Origins of Fluid Compositional Variation in Northern Iraq, Northeast Syria, and Southeast Turkey:** A. S. Pepper
- 1:40 **Geochemical Comparison of Oils From Upper Pennsylvanian Kansas Reservoirs, Northwest Kansas to Woodford Shale Source Rocks: A Case for Long Distance Migration:** B. Tamborello, R. Philp
- 2:00 **Wolfcamp Geochemistry and 3-D Basin Model of the Midland Basin:** I. Yurchenko, S. Hamlin, W. Fairhurst
- 2:20 **Improving Burial and Thermal History Modeling Based on Geochemistry and Progressive Clay Mineralogical Transformation in Devonian Shales – Examples From the Duvernay and Muskwa Formations in Western Canada:** R. A. Wust, S. Tu
- 2:40 **Refreshment Break**
- 3:25 **Scaling Analysis of the Coupled Compaction, Kerogen Conversion, and Petroleum Expulsion During Geological Maturation:** Q. Yuan, Y. Mehmani, A. K. Burnham, A. Lapene, J. Wendebourg, H. Tchelepi
- 3:45 **Understanding the Role of the First Carrier Bed: Simple Rules of Thumb and Workflows That Can Reduce the Dry Hole Rate:** Z. He
- 4:05 **Fully Coupled Geomechanics-Basin Modeling and the Link Between Tectonics and Natural Hydraulic Fracturing: Application to the Neuquen Basin:** T. Cornu, M. Cacas-Stenz, R. Traby, D. Colombo, J. Fey, A. Bouziat, N. Guy
- 4:25 **Interplay Between Depth-Dependent Leakage, Fault Sealing and Pore Pressure Buildup on Selected Areas of the Norwegian Continental Shelf:** C. Hermanrud, G.M.G. Teige, M.O. Osnes, H.M. Nordgård Bolås
- 4:45 **Faulted Column Heights:** B. Freeman, G. Yielding, P. Bretan, D. Quinn

Theme 1: Paralic and Shallow Marine Systems: Process Variability and Impact on Reservoir Distribution and Architecture

Room 214 A

Co-Chairs: *V. M. Rossi, J. Zhang, and C. Olariu*

- 1:15 **Introductory Remarks**
- 1:20 **Dislocations in the Wilcox/Carrizo Sediment-Routing System: Emerging Evidence From Central Texas:** C. Denison, J. M. O'Keefe, T. D. Demchuk
- 1:40 **Stratigraphic Architecture of Hunter River Valley Fill, Southeast Australian Margin:** R. Boyd, N. Bates
- 2:00 **Depositional Facies and High-Resolution Sequence Stratigraphic Analysis of a Mixed-Process Influenced Deltaic System in a Stormy Ramp Setting: The Cretaceous Gallup System, New Mexico, USA:** W. Lin, J. P. Bhattacharya
- 2:20 **Quaternary Transgressive, Tidal- and Wave-Dominated Coastal-Systems in the Northeastern Sardinian Relict Shelf: Spatial and Temporal Variations in Coastal Process Regime:** F. Gamberi
- 2:40 **Refreshment Break**
- 3:25 **Mouth-Bar Element Complexes: Internal Architecture and Effect of Depositional Process on Modern Deltaic Systems:** B. K. Vakarelov, R. B. Ainsworth
- 3:45 **Compensational Stacking and Architecture of Mouth-Bar Deposits in a Mixed-Process Deltaic Environment; Mulichinco Formation, Neuquén Basin, Argentina:** A. R. Sleveland, O. Galland, H. Leanza, I. Midtkandal
- 4:05 **Facies Characterization and Depositional Architecture of the Fruholmen and Stø Formation, Barents Sea, Norway:** J. D. Sanchez Mendoza, H. Dowd Martinez, E. Stueland
- 4:25 **Outcrop and Subsurface Characteristics of Tidally Modified Shelf Edge Delta and Upper Slope Deposits of the Blair Formation, Rock Springs Uplift, Wyoming:** K. L. Belcher, P. P. Flaig, R. J. Steel
- 4:45 **Fluid Mud Transport in the South China Sea – A Case Study of Sediments on the Continental Shelf of Qiongdongnan Basin:** R. Zhao, S. Chen, H. Wang, R. J. Steel

The Big Crew Change: Passing the Baton and Challenges Awaiting Mid-Career Geoscientists

Room 213 A/B

Moderators: *D. Dunlap and S. Nwoko*

See page 20 for more information on this special forum.

Panelists:

Introductory Remarks

- **Vanessa Kertzus**, Supervisor Gulf of Mexico West, Shell
- **Diana Duran**, Geological Advisor Permian Exploitation Group, Occidental Petroleum
- **Nysha Chaderton**, Technical Team Lead, ExxonMobil
- **Michael Pyrcz**, Associate Professor, The University of Texas at Austin
- **Denise M. Cox**, President AAPG
- **David K. Curtiss**, Executive Director, AAPG
- **Jeff Aldrich**, Vice President, Sections, AAPG

DEG Special Session: Environmental Impact and Sustainability

Room 213 A/B

Co-Chairs: *M. Barrett and M. A. Jacobs*

See page 21 for more information on keynote speaker Iain Stewart.

3:25 **Introductory Remarks**

3:30 **Communicating Contested Geoscience to the Public: "Matters of Fact" vs. "Matters of Concern:"** I. Stewart

4:00 **A Comparison of Temperature Trends of Industrial Era and Pre-Industrial Age:** D. A. Carlson

4:20 **Sustainable Development and the UN Sustainable Development Goals: Where Do the Geosciences Fit In?:** M. S. Winsten, D. Domeracki, J. Lima

4:40 **Transitional Role of the Oil and Gas Industry in Addressing Climate Change:** R. Leonard, A. Berman

TUESDAY AFTERNOON POSTER SESSIONS

Exhibit Hall 2:00 pm–5:00 pm

(Presenters will be in their booths 2:30 pm–4:00 pm)

Theme 7: Geophysics: Beyond Seismic Methods

Co-Chairs: *N. Tisato and G. Bozkurt*

- P1 **Application of Stratigraphic Slice Technique Based on Seismic Inversion in Predicting Subsalt Carbonate Reservoir:** L. Dong, W. Hongping
- P2 **Characterization of a Mass Transport Deposit Using Seismic Attributes: Upper Leonard Interval, Midland Basin, West Texas:** P. Bhatnagar, S. Verma
- P3 **Enhancement of Anomalies in Time-Lapse Seismic Data by Means of Principal Component Analysis:** T. S. Ruchiga, R. D. Portugal, M. Xavier

P4 **Lithology Estimation by Full Wave Sonic and 3-D Seismic Data at the Mississippian Pennsylvanian Boundary of Western Osage County, Oklahoma:** C. Falzone, D. C. McCabe, C. Liner

P5 **New Techniques Using High-Density Seismic Array Data Analysis to Determine 3-D Fault and Crustal Structures in the Long Beach Basin:** A. F. Allevato, R. Clayton, D. Weeraratne

P6 **New-Old Potential Field Data in the Alaska OCS:** M. Unger

P7 **LiDAR-XRF Constrained Forward Seismic Model of McKittrick Canyon Shelf Slope: High-Resolution Into Its Sequence Stratigraphy and Insight Into Interpretation of Seismic Profiles of the Permian Subsurface:** C. Xu, Z. Wang*, J. D. Pigot

P8 **Using Stratigraphic Modeling to Ascertain the Sensitivities and Uncertainties in Computing the Gravity Responses of Sedimentary Basins:** V. Crombez, R. Chopping, L. Peeters

P42 **The Study and Application of the Subtle Strike-Slip Fault Identification Technology in the Exploration of Miaoxinan Uplift Area, Bohai Bay Basin, Eastern China:** X. Ma, D. Zhou, C. Niu, H. Zhang, R. Han

Theme 2: Carbonates: Permian Basin

Co-Chairs: *J. Rush and M. T. Reistrotter*

- P9 **Shelf-to-Basin Architecture and Depositional Trends, Missourian-Wolfcampian Strata of the Eastern Shelf of the Southern Midland Basin, West Texas:** T. F. Hentz, W. A. Ambrose, H. Hamlin
- P10 **Preliminary Results on Depositional Facies, Sediment Origin and Diageneses of Late Paleozoic Shale Horizons From the Midland Basin, West Texas:** H. Green, B. Segvic, T. R. Walsh
- P11 **Depositional Processes, Sequence Stratigraphic Framework, and Reservoir Quality of the Wolfcamp a Formation in the Delaware Basin, West Texas:** M. T. Reistrotter, M. Mltsdarffer, M. Grammer, C. M. Bowie, E. P. Kvale
- P12 **Wolfcampian Shelf-to-Basin Stratigraphic Framework of the Central Basin Platform and Midland Basin, Andrews County, Texas:** C. Draper, C. Kerans, G. P. Wahlman
- P13 **The Darwin and Keeler Basins as Outcrop Analogs to the Permian Basin System:** R. Leary, I. Foli, A. Stewart, L. Vaughn, J. W. Van Wijk
- P14 **Geochemical and Petrophysical Characterization of the Mississippian Limestone and Barnett Formation Along the Eastern Margin of the Central Basin Platform, Permian Basin, USA:** M. Hemenway, M. Nieto, H. Rowe, E. Krukowski, R. Krumm
- P15 **Wolfcamp to Third Bone Spring (Permian) Lithofacies From Core: Depositional Styles and Play Concepts, Delaware Basin:** C. Collier, A. D. Parker

- P16** **3-D Integrated Geological Model Construction of Fasken Ranch Area, Midland Basin, Texas:** R. Dommissé, C. Kerans, C. Zahm, F. Male, S. Pollock, R. Bianco

Theme 2: Carbonates: Depositional Models II

Co-Chairs: *Y. Xiao and S. Halli*

- P17** **Complete 3-D Reconstruction of an Early Paleozoic Fore-Reef Succession in Yukon, Canada:** J. Busch, J. V. Strauss, M. H. Saylor
- P18** **Uncertainty Analysis of Reservoir Quality and Pressure Barriers in a Sub-Salt Carbonate Platform Using Forward Stratigraphic Modeling (Serpukhovian Stage, Karachaganak Field, Kazakhstan):** C. John, I. Kussanov, N. Hawie
- P19** **Origins of Carbonate Spherulites in Sedimentary Rocks, Examples From Early Carboniferous Lacustrine Sediments (East Kirkton of Scotland) and Laboratory Experiments:** L. Guo, S. Wu, W. Zhou, S. Passey
- P20** **Seismic Characterization and Origin of Clinoforms in Lacustrine Depositional Environments: A Case Study From the Cretaceous of the South Atlantic:** A. Barnett, L. Fu, T. Rapasi, K. Juk, C. Scotellaro, J. Guha, A. Licia
- P21** **Significance of Microbial Binding in Silurian Forereef Slope Deposits at Pipe Creek Jr. Quarry, Indiana:** A. Santiago Torres, J. Karsten, G. Grammer, D. R. Prezbindowski, J. Havens
- P22** **Paleo-Environment Reconstruction and Source Rock Prediction in Brink Bags: A Case Study in Eastern China:** L. Zhang
- P23** **The Role of Variable Paleotopography and Upwelling on Deposition of Late Oligocene and Miocene Heterozoan-Large Benthic Foraminifera-Coral Sequences, Jamaica:** E. E. Core, E. K. Franseen
- P24** **Sequence Stratigraphic Framework From Base Ahmadi to Top Mishrif Formation of Cretaceous Cenomanian Age in Southern Iraq:** B. Song, Y. Gao, R. Han, C. Tian, Y. Zhu
- P25** **An Updated Semivariogram Atlas for Carbonate Reservoirs:** W. S. Meddaugh
- P26** **Inter-Well Scale Heterogeneity of the Upper Khuff Carbonate Reservoir Units, Outcrop Analog Approach, Central Saudi Arabia:** M. S. Osman
- P27** **The Seagrass Skeletal Assemblage From Modern to Fossil and From Tropical to Temperate:** M. Brandano, L. Tomassetti, G. M. Vicens*, G. Gaglianone
- P28** **Sea Level and Current Dominated Diagenetic Regimes of the Kardiva Platform, Maldives:** K. Prince, J. C. Laya

Theme 8: The Digital Transformation in the Geosciences

Co-Chairs: *J. Deck, A. Hosford Scheirer, and L. E. Stright*

- P29** **Machine Learning Using Natural Language Processing to Access Geoscience Knowledge:** R. R. Jones
- P30** **Svalbox: A Geoscientific Database for High Arctic Teaching and Research:** K. Senger
- P31** **Application of Decision Tree to Determine Failure Modes for Dry Segments in the Deep-Water Taranaki Basin, Offshore New Zealand:** J. M. Samis, A. V. Milkov
- P32** **Artificial Intelligence Application on Seismic Data for Automatic First-Break Arrival Picking:** H. Gupta, D. Peter, J. Akram
- P33** **Facies Classification Based on Well Logs by Using a Convolutional Neural Network:** Z. Zhong, T. R. Carr
- P34** **Automated Lithology Prediction From Core Images and Well Log Data Using Machine Learning Models: A Case Study From the Greater Schiehallion Area, West of Shetland, United Kingdom:** T. P. Martin, R. G. Meyer, Z. R. Jobe
- P35** **Evaluation Method of Low Permeability Reservoirs Based on Logging Petrophysical Facies Identification: A Case Study of the Upper Member of Mengyin Formation in Gaoqing Area, Dongying Depression:** Y. Wang, S. Yang, X. Wang, Y. Lu
- P37** **Comparison of Clustering Techniques to Define Chemofacies: Case Study for Mississippian Rocks in the STACK Play, Oklahoma:** D. E. Duarte, R. Pires de Lima, R. M. Slatt, K. J. Marfurt

Theme 4: Structure and Geomechanics of Unconventional Plays

Co-Chairs: *A. Fernandez and L. Cruz*

- P38** **Development of an Analytical Method Based on Two Failure Criteria to Study Slip Risk Related to Fluid Injection: Case Study North-Central Oklahoma, USA:** D. E. Duarte, L. J. Candela-Becerra, R. M. Slatt
- P39** **An Integrated Modeling Approach for Multi-Scale Fault-Related Fractures in Tight Sandstone Reservoirs Based on Structural Control and Geomechanical Method:** H. Li, C. Lin, C. Ma, D. Elsworth, L. Ren, S. Liang, J. Tian
- P40** **Mechanical Stratigraphy and Barriers to Hydraulic Fracture Growth: Insights From Geomechanical Models:** K. J. Smart, D. A. Ferrill, R. N. McGinnis, A. P. Morris, K. D. Gulliver
- P41** **Organic Matter Matters! The Role of Organic Matter Composition on Shale Geomechanics:** T. Fender, C. Van Der Land, M. Rouainia, J. Hennissen, S. Graham, T. Wagner
- P43** **Principal Stress Orientations and Relative Magnitudes in Unconventional Oil and Gas Basins, Western Cordillera and Central and Eastern USA:** J. Lund Snee, M. D. Zoback

- P44 Multiscale Natural Fracture Characterization and Controlling Parameters Contribution Quantification Analysis: Woodford Example:** J. Zhang, D. M. Becerra Rondon, R. M. Slatt
- P45 Natural Fractures Network Development Due to Fluid Production in Anisotropic and Impermeable Granular Materials: Application to Organic-Rich Shales:** A. Zanella, S. Larmier, J. Thomas, M. Régis
- P46 Stress Memory and Overpressure Retention in the Wufeng-Longmaxi in the Vicinity of a Fault Zone:** R. Liu, F. Hao, T. Engelder, C. Teng, S. Xu, Z. Shu
- P47 Mechanical Stratigraphy Controls on Vertical Fracture Patterns in the Upper Triassic Tight Oil Sandstones, Ordos Basin, China:** W. Lyu, L. Zeng, L. Peng, H. Chen
- P48 Deformation Within the Utica/Point Pleasant Reservoir, Northern Pennsylvania and Southern New York: A Case for Seismogenic Origin:** G. C. Bank, T. A. Bardol, A. G. Smith

Theme 4: Modeling of Structural and Geomechanical Processes

Chair: *J. P. Evans*

- P49 Implications on Porosity and Fluid Flow From Micro-Scale Parasitic Folding:** X. Liu, A. Eckert*, P. Connolly
- P50 Dragged and Detached Primary Welds, and Horizontal Axis Rotation of Minibasins During Contractural Reactivation of Salt Ridges: Insights From Analog Modeling:** P. Santolaria, N. Carrera, O. Ferrer, J. Muñoz, C. L. Schneider
- P51 Deformation Mechanism of Unconsolidated Quartz Sands as a Function of Grain Size Distribution: Insights Into Deformation Band Formation in Mixed Aeolian-Fluvial Reservoirs:** K. D. Clark, I. Stimpson, J. D. Bedford, D. R. Faulkner
- P52 Comparison Between Inverted Oblique Rift Sandbox Models and Phitsanulok Basin Structural Styles, Onshore Thailand:** P. Amonpantang, J. Wu, K. McClay
- P53 Quantitative Evaluation of Mechanical Heterogeneity of Sedimentary Sequences:** Y. Pei, T. Li, K. Wu
- P54 Vertical Versus Inclined: A High-Stress Environment Where Deviated Wells are Easier Than Vertical:** J. Avila
- P55 Analog Modeling of Penetrative Strain Around Laramide Structures: Similarities and Differences Between Thick and Thin-Skinned Styles of Deformation:** C. M. Burberry, J. B. Lowe
- P56 Numerical Modeling of Cenozoic Compressional Events of Northwest Himalayas, Pakistan:** M. Miraj, N. Ahsan, H. Mehmood, M. Manzoor
- P57 Preservation of Structural Information Across Prospect Portfolios:** S. A. Stewart, S. N. Awf
- P58 Two Episodes of Structural Fractures: Numerical Simulation of Yanchang Oilfield in the Ordos Basin, Northern China:** Y. Li, Y. Song, J. Ren

- P59 Analogue Modeling of Releasing Steppovers in Strike-slip Faults and Its Application in the Calculation of Strike-slip Displacement:** R. Jian, X. Chen, X. Zeng, X. Ma, X. Zhang
- P60 Geomechanical Analysis of CO₂ Sequestration in the Bakken Formation:** O. Ozotta
- P61 Failure Mechanism of Secondary Fractures Associated With Strike Slip Fault and Its Stress Field Implication:** K. Su, C. Li, J. Ren, H. Zhang, X. Ma

Theme 1: Source to Sink I

Co-Chairs: *M. D. Sullivan, C. Gong, and M. L. Sweet*

- P62 Sediment Mass Budget for the Middle Jurassic "Brent Delta" Sediment Routing System, Northern North Sea:** I. C. Okwara, G. J. Hampson, A. C. Whittaker, G. G. Roberts
- P63 Source-to-Sink Analysis of Reservoir Distribution: Lower Eocene Dornoch Delta-Hermod Fan Sediment Routing System, East Shetland Platform, Northern North Sea, United Kingdom:** C. J. Brewer, A. C. Whittaker, G. J. Hampson, G. G. Roberts
- P64 Understanding the Changing Clinoform Architecture of the Late Miocene Cruse Formation, the First Clastic Wedge of the Paleo-Orinoco Delta Onshore Trinidad:** A. Osman, R. J. Steel, R. Ramsook
- P65 Linear-Sourced Slope Channel Systems in High Sediment Supply Basin Margin Clinoforms:** Y. Gan, C. Olaiu, R. J. Steel
- P66 Applications and Method Development for Detrital K-feldspar Common-Pb Provenance Analysis:** E. J. Reat, M. Stearns, C. L. Johnson, D. Fernandez
- P67 Controls on Shelf-Margin Growth and Reservoir Development in an Active, Supply-Dominated and Greenhouse Early Cretaceous Margin Across Timescales:** V. Paumard, J. Bourget, T. Payenberg, A. D. George, R. B. Ainsworth, S. Lang
- P68 Outcrop Examples of Falling Stage Systems Tracts: Quantification and Exploration Significance:** W. Lin, J. P. Bhattacharya
- P69 Links Between Fault Evolution and Drainage Development, and the Influence on Deep Rift Sedimentation, Northwest Shelf Australia's Dampier Sub-Basin:** H. Chen, L. J. Wood, R. L. Gawthorpe, X. Zhu
- P70 Shallow Water Flows in Gulf of Mexico, Relating High Sedimentation Rates to Proglacial Lake Source and Mass Transport Deposits in Deep-water Sink:** T. W. Bjerstedt, K. V. Kramer
- P71 Provenance Evolution and Sedimentary Analysis of the Paleogene Pearl River Mouth Basin, South China Sea: Insights From Integrated Analysis of 3-D Seismic and Detrital Zircon Data:** Z. Zeng, H. Zhu, X. Yang, H. Zeng

Theme 1: Source to Sink II

Co-Chairs: *M. L. Sweet, C. Gong, and M. D. Sullivan*

- P72 Tracking Sediments From Source to Sink in the Andean Orogenic Belt and Foreland Basin System:** B. K. Horton, L. J. Jackson, T. N. Capaldi, K. L. Butler, S. W. George, E. G. Gutierrez, C. A. Mackaman-Lofland
- P73 Sediment Routing Analysis of the Early Cretaceous McMurray Formation in East Alberta, Canada:** A. M. Wahbi, M. Blum
- P74 Critical Differences in Sediment Routing From Deltas to Deep-Water Fans Between Marine and Lacustrine Basins: A Comparison of Marine and Lacustrine Aggradational to Progradational Clinothem Pairs:** C. Gong, R. J. Steel
- P75 A Source-to-Sink and Reservoir Quality Prediction Workflow: The Offshore Nile Delta:** L. D. Fielding, L. B. Davies, S. R. Fielding
- P76 Recycling a Sedimentary Basin – Evidence From Microscopic Fluid Inclusions in Detrital Quartz:** B. G. Haile, H. Hellevang, T. G. Klausen, S. Olausen, C. H. Eide, W. Helland-Hansen
- P77 Provenance and Sandstone Modal Compositional Trends From Upper Cretaceous Nonmarine Siliciclastic Strata of the Sevier Foreland Basin in Northern and Central New Mexico:** S. Bartnik, B. A. Hampton, G. Mack, C. J. Stopka
- P78 Provenance Evolution of Paleocene-Miocene Guadalupe-Live Oak Deltas in South Texas: Insights From Detrital Zircon Geochronology:** J. Xu, J. Zhang*, J. W. Snedden, D. Stockli
- P79 The Role of Discharge Variability on Environmental Signal Propagation: An Experimental Study:** H. Li, P. Plink-Bjorklund
- P80 Quantifying the Risk on Reservoir Quality with Forward Stratigraphic Modeling in Frontier Areas – Orphan Basin, Canada:** A. Thebault, V. Gervais-Couplet, M. Callies, P. Jermannaud
- P82 Forward Stratigraphic and Organic Matter modeling applied to the Appalachian Basin:** B. Chauveau, D. Granjeon, B. Bruneau
- P83 Controls on Organic Carbon Content of the Lower Cambrian Black Shale in Southeastern Margin of Upper Yangtze:** Y. Zhang, S. Lu, Z. He, S. Jiang

Theme 5: Unconventional Reservoir Characterization I

Chair: *G. Kamat*

- P84 A Method for Characterizing Pore Size Distributions of Well Cuttings Utilizing Water Intrusion:** J. Orso, F. Hasiuk, B. Dawson
- P85 Semi-Quantitative SEM Analysis of Vaca Muerta Formation, Neuquén Basin, Argentina:** L. B. Smith, F. G. Tomassini, J. Schieber
- P86 Impact of Kerogen Molecular Structure on Hydrocarbon Recovery: Tracing the Line of Death:** V. Agrawal, S. Sharma
- P87 Quantifying the Influence of Fractures for More Accurate Laboratory Measurement of Shale Matrix Permeability:** S. Peng, B. Ren, M. Meng
- P88 Petroleum Expulsion and Formation of Porosity in Kerogen:** A. A. Brown
- P89 Characterization of Organic Matter Hosted Pores in Cambrian Shale, South China: Implication of a Role of Lithofacies Difference to Pore Development:** X. Tang, J. Zhang, J. Hong, Z. Ma, Y. Li, D. Shao, H. Luo, T. Zhang
- P90 Controls on Mudrock Pore System Development in the Upper Mississippian Barnett Shale, Fort Worth Basin, Wise County, Texas:** R. M. Reed, R. G. Loucks, H. D. Rowe
- P91 Pore Network Heterogeneity in Tight Oil Reservoir Rocks – Analysis From 3-D Confocal Laser Scanning Microscopy (CLSM):** S. Arens, C. W. Bomberger, M. S. Hendrix, M. H. Hofmann
- P92 Pore System Characterization of Wolfcamp Lithofacies, Delaware Basin:** J. J. O'Brien, C. M. Bowie, E. P. Kvale, M.E. Curtis, J.D. Jernigen

Theme 5: Unconventional Reservoir Characterization II

Chair: *D. H. Nicklaus*

- P93 The Significance of Framboid-Hosted Porosity in the Marcellus Shale of the Appalachian Basin, USA:** D. R. Blood, G. Lash
- P94 Shelf-Margin Clinoforms of the Vaca Muerta-Picún Leufú System in the Neuquén Basin, Argentina:** L. E. Rueda Sanchez, G. P. Eberli, P. K. Swart, R. J. Weger, M. Tenaglia
- P95 Understanding the Isolated Pores in Bakken Shale Using SANS Method:** K. Liu, M. Ostadhassan, W. Liang, J. Zou, T. Gentzis
- P96 Tepee Buttes, Methane Seeps, and Polygonal Faults, Denver Basin:** S. A. Sonnenberg
- P97 Digital Outcrop Modeling of the Lower Silurian Qusaiba Shale Member – Implications for Reservoir Quality and Architecture, Central Saudi Arabia:** M. S. Osman, O. M. Abdullatif

- P98** **An Integrated Sedimentologic-Chemostratigraphic Study of the Late Devonian-Early Mississippian Chattanooga Shale in Kansas: High Resolution Stratigraphy and Organic Matter Accumulation:** S. Brower, K. Goldberg
- P99** **Upscaling of Wireline Log-Derived Reservoir Properties With Minimum Data Loss:** G. Austermann, D. Harazim
- P100** **Comparison of the Compositional and Mineralogic Control on Rock Strength Between the Middle Bakken and Three Forks Formation, Williston Basin, USA:** . Prather, M. Hemenway, H. Rowe, A. Morrell, P. Mainali, H. Garza, R. Nikirk
- P101** **Petrographic Analysis of Tuscaloosa Marine Shale (Upper Cretaceous) Core Recovered From Eads Poitevent #1:** M. K. Fearn, R. Gottardi, D. Oppo
- P102** **Detailed Sedimentological and Stratigraphic Analysis of the Duvernay Formation in the Kaybob Area, Alberta, Canada:** D. J. Shaw, N. B. Harris

WEDNESDAY MORNING ORAL SESSIONS

Theme 10: Deals and Investment Decisions

Hemisfair Ballroom I

Co-Chairs: *R. C. Shoup and H. Manueco*

- 8:00** **Introductory Remarks**
- 8:05** **Adventures in Exploration Deal-Making, Examples, and Lessons:** B. C. Duval
- 8:25** **From Idea Generation to Opportunity Capture:** E. G. Hathon
- 8:45** **Breaking Paradigms to Succeed in the Dnieper-Donets Basin:** T. A. Rehill
- 9:05** **Geologic Drivers of Recent Asset Transactions in Unconventional Resource Plays:** S. Gryger
- 9:25** **Refreshment Break**
- 10:10** **From Discovered Volumes to Development With a Little Help From A&D:** H. Manueco
- 10:30** **Enhance Decision-Making in the Development of Shale Resources:** C. J. Cui, P. K. Galvin, J. Oletu
- 10:50** **Exploration Portfolio Optimization: A Rigorous Tool for Strategic Investment Decisions:** M. Savage
- 11:10** **A Corporate Strategy for Reducing Dry Holes and Improving Resource and Reserve Estimates:** R. C. Shoup
- 11:30** **Assuring Investor Confidence Through Qualified Reserves Evaluators Applying Globally Accepted Principles of Evaluations and Reporting:** R. Harrell

Theme 5: Eagle Ford and Austin Chalk Unconventional Play

Room 217 B/C

Co-Chairs: *A. S. Douds and A. Fernandez*

- 8:00** **Introductory Remarks**
- 8:05** **Forcing Mechanisms on Late Cretaceous Carbonate Sedimentation: The Austin Chalk Group of Central Texas:** A. Godet, J. R. Cooper, A. Hancock, M. C. Pope, M. Bernardo
- 8:25** **Core-Based Characterization of the Upper Cretaceous Austin Chalk Group in Western Louisiana: Comments on Depositional Setting, Lithofacies, Organic Matter, and Pore Networks:** R. G. Loucks, T. E. Larson, C. K. Zahm
- 8:45** **A Type Cored Section for the Upper Cretaceous Austin Chalk Group in South Texas; Getty No. 1 Lloyd Hurt Well, LaSalle County, Texas:** R. G. Loucks, C. K. Zahm, T. E. Larson
- 9:05** **Carbon-Sulfur Dynamics in the Cretaceous Eagle Ford Formation:** M. Mertesdorf, C. Maerz, U. Mann, S. C. Ruppel, T. Wagner
- 9:25** **Refreshment Break**
- 10:10** **The Maness Shale: A Comparison of the Geomechanical and Mineralogic Properties Within the Lower Eagle Ford Near the San Marcos Arch:** S. Patterson, R. A. Denne
- 10:30** **Porosity Characterization of the Cretaceous Eagle Ford Formation:** I. Gaiani, A. C. Aplin, R. J. Day-Stirrat
- 10:50** **Continuous Mineral Mapping of Core Using Hyperspectral Imaging; Example from the Upper Cretaceous Austin Chalk Marathon 1 Robert Todd Core, Central Louisiana:** T. Kosanke, R. G. Loucks, T. E. Larson, J. Greene
- 11:10** **Seismicity of Eagle Ford Since the Implementation of TexNet Earthquake Catalog January 1, 2017:** S. Whittaker, A. Savvaidis, P. H. Hennings, A. Morris
- 11:30** **Mudrock Depositional Environments and Their Significance in Unconventional Resource Plays: An Example From The Cenomanian to Turonian Eagle Ford Group in South and West Texas:** R. A. Conte, M. C. Pope

Theme 1: Aeolian System Dynamics: What Have We Learned in the Last 50 Years?

Room 217 D

Co-Chairs: *C. Hern, S. G. Fryberger, and N. Wilkens*

- 8:00** **Introductory Remarks**
- 8:05** **The Eolian Sedimentary Record: What Do We Know and Where Are We Going?:** N. P. Mountney
- 8:25** **How Dunes Move and the Record They Leave Behind:** D. Cousins, C. Hern*, S. Brooke, M. Gareth, M. Nightingale, R. Westerman, D. Tatum, G. Kocurek, S. G. Fryberger
- 8:45** **An Integrated Approach to Dune System Analysis:** D. Tatum, R. Westerman, C. Hern, J. Buckman, Z. Jiang

- 9:05 **Heterogeneities and Facies Architecture in Aeolian Sands Using Core-Calibrated Borehole Image Logs: Deep-Water Norphlet:** E. Cavallerano, C. Hern, J. A. Palmer
- 9:25 **Refreshment Break**
- 10:10 **Allocyclic Controls Upon Clastic/Evaporitic Interactions in Arid Continental Settings: Implications for Reservoir Characterization and Modeling:** R. Pettigrew, S. M. Clarke, P. Richards
- 10:30 **Autogenic Processes and Environmental Forcings Recorded in Aeolian Stratigraphy I: The Jurassic Page Sandstone, Arizona, USA:** B. Cardenas, G. Kocurek, D. Mohrig, T. Swanson, C. Hughes, S. Brothers
- 10:50 **Autogenic Processes and Environmental Forcings Recorded in Aeolian Stratigraphy II: Numerical Experiments:** T. Swanson, D. Mohrig, G. A. Kocurek, B. Cardenas
- 11:10 **Stratigraphic Forward Modeling for Aeolian Reservoir Prediction: Norphlet (EGOM):** O. Falivene, C. Hern, J. A. Palmer, U. R. Nordlund
- 11:30 **Multi-Resolution Modeling of Ephemeral Fluvial-Aeolian Interactions: Implications for Reservoir Characterization:** C. Priddy, S. M. Clarke, P. Richards

Theme 4: Modeling of Structural and Geomechanical Processes

Room 214 B/C

Co-Chairs: *D. E. Haddad and C. M. Burberry*

- 8:00 **Introductory Remarks**
- 8:05 **Faulting Events: Moving Beyond Frictional Thinking:** G. D. Couples, H. Lewis
- 8:25 **Empirical Constraints on Fault Displacement Vectors and Implications for Fault Mechanics and Strain Prediction, Taranaki Basin, Offshore New Zealand:** D. Favorito, A. Hughes
- 8:45 **Flexible Kinematic Modeling Approaches Informed by Observations From Mechanical Forward Models and Natural Structures:** A. N. Hughes, C. D. Connors
- 9:05 **Structural and Mechanical Analyses of Thrust Ramp Development in Mechanically Stratified Sequences:** S. Wigginton, J. P. Evans*, E. S. Petrie
- 9:25 **Refreshment Break**
- 10:10 **Modeling Natural Fractures in Reservoirs by Incorporating Structural History:** A. Bladon, E. Maccaulay, F. Marks, C. J. Pollock, C. Reilly*, C. Seiler, M. Valcarcel, A. P. Vaughan
- 10:30 **Deterministic DFN Modeling: A Methodology to Estimate Actual Fracture Plane Size Using Rock Lithology and Microseismic Event Source Information:** S. C. Williams-Stroud
- 10:50 **3-D Forward Geomechanical Modeling of Differential Compaction Fracturing in Carbonate Reservoirs: Insights From Outcrop- and Platform-Scale Models:** Y. Alzayer, C. K. Zahm, M. H. Nazghah

- 11:10 **Rethinking Brittleness – How Viscoplastic Stress Relaxation Affects Layer-to-Layer Stress Variations and Vertical Hydraulic Fracture Propagation in Unconventional Reservoirs:** S. Xu, A. Singh, M. D. Zoback
- 11:30 **Complex Geological Modeling and Fault Seal Using Unstructured Grids:** S. D. Harris, R. K. Davies, S. Santoshini, S. Grenfell

Theme 1: Applied Ichnology: In Honor of George Pemberton

Room 217 A

Co-Chairs: *M. Gingras and J. A. MacEachern*

See page 21 for more information on this special session.

- 8:00 **Introductory Remarks**
- 8:05 **The Neoichnological Basis for a Brackish-Water Ichnofacies:** M. K. Gingras, S. E. Dashtgard, A. La Croix, K. L. Bann, J. A. MacEachern
- 8:25 **Neoichnological Characterization of Gironde Estuary and Arcachon Bay, France: Testing the Brackish-Water Model:** S. E. Dashtgard, M. K. Gingras, H. Féliès, R. Bourillot
- 8:45 **Interpreting Heterolithic Fabrics Using Ichnological Relationships: Case Study From the McMurray Formation, Alberta, Canada:** S. Melnyk, M. Gingras
- 9:05 **Ichnology of a Seasonally-Dominated Deltaic / Estuarine Complex: The Pleistocene Palaeo-Kambinaru River, Sumba, East Nusa Tenggara, Indonesia:** J. Zonneveld, Y. Zaim, Y. Rizal, A. Aswan, A. Hascaryo, N. Adani, A. Fortuin, M. Gingras, R. Larick, R. Ciochon
- 9:25 **Refreshment Break**
- 10:10 **Ichnology and Paleoenvironmental Interpretations of the Cretaceous – Paleocene Rift Succession of Northeast Baffin Island Region, Nunavut, Canada:** L. T. Dafoe, J. W. Haggart, G. L. Williams, M. R. Stimson
- 10:30 **The Exploited: Ichnologic Analogs for Multi-Lateral Horizontal Oil Drilling in the Early Cretaceous (Albian) Clearwater Formation, Alberta, Canada:** I. Raychaudhuri, J. A. MacEachern, M. K. Gingras, M. J. Young
- 10:50 **Applied Ichnology in Modeling Mississippian Reservoirs, Upper Midale Beds, Weyburn Oilfield, Saskatchewan: How to Use Paleobiology in Predictions on Dolomitization, Characterization and Compartmentalization?:** A. D. Keswani, S. G. Pemberton
- 11:10 **Using PyCHNO to Generate Training-Image Datasets for Machine Learning Ichnology:** E. R. Timmer, M. Gingras, C. Knudson, J. Zonneveld
- 11:30 **A Forced Regressive Asymmetric Delta, Lower Cretaceous Viking Formation, Kaybob – Fox Creek Fields, Alberta, Canada:** J. A. MacEachern, N. Díaz

Theme 3: From Pores to Production: Unraveling Fluid Dynamics on Their Journey to the Surface

Room 214 D

Co-Chairs: *S. Wright and T. Zhang*

- 8:00** **Introductory Remarks**
- 8:05** **Geochemistry of a Thermally Immature Eagle Ford Group Drill Core in Central Texas:** K. L. French, J. E. Birdwell, K. J. Whidden
- 8:25** **Asphaltic-Rich Tar in the Subsurface: Case Study From Reservoir Overburden in a Giant Subsalt Oil Field (Mad Dog, Gulf of Mexico, USA):** B. S. Slotnick, G. Rowe, T. Jia, C. D. Walker
- 8:45** **Fluids in Nano- and Meso-Pores: Insights Into CH₄-CO₂-H₂O Behavior in Unconventional Reservoirs:** R. Kirkpatrick, G. M. Bowers, N. Loganathan, O. Yazaydin, H. Schaef, J. Loring, D. W. Hoyt, S. D. Burton, E. D. Walter
- 9:05** **Stable Isotope and Noble Gas Geochemistry of a High-Nitrogen Permian Sandstone Reservoir, Northern Denver-Julesburg (D-J) Basin, Southeastern Wyoming, USA:** C. D. Laughrey
- 9:25** **Refreshment Break**
- 10:10** **Simulation of Acidizing Dissolution Front Instability in Carbonate Rocks:** R. Dong, M. Wheeler
- 10:30** **Organic and Inorganic Geochemistry of the Mississippian Limestone in the Anadarko Shelf:** O. O. Adebayo, I. Al Atwah, N. Riedinger, T. M. Quan
- 10:50** **Application of Raman Spectroscopy in Understanding Organic Matter Heterogeneity and Maturation Rate:** S. Khatibi, M. Ostadhassan, P. C. Hackley*, D. Tuschel, B. Bubach
- 11:10** **Source Rocks of the Paratethys Region (Central Europe to Central Asia): Regional Distribution and Implications for Hydrocarbon Exploration:** R. F. Sachsenhofer, A. Bechtel, R. Gratzner, G. Tari
- 11:30** **Fluid-Rock Interaction and Hydrocarbon Migration: Quantifying Wettability-Affected Advection and Diffusion Processed in Various Reservoir Rocks:** Q. Hu

Theme 2: Carbonate Rock Properties and Reservoir Performance Prediction

Room 214 A

Co-Chairs: *T. Buono and S. Zhang*

- 8:00** **Introductory Remarks**
- 8:05** **Elucidating Dolomitizing Conditions and Potential Recrystallization Using Textural and Geochemical Relationships: A Case Study From the Ummer Radhuma Formation, Qatar:** B. H. Ryan, S. E. Kaczmarek, J. M. Rivers
- 8:25** **Reactive Transport Modeling Approach to Studying Silicification of Carbonates:** B. Garcia-Fresca, T. Gabellone, F. F. Whitaker

- 8:45** **Calibration of NMR Permeability Using Cluster Analysis and Cloud Matching:** A. Arora, J. Browning, S. K. Henderson, G. B. Asquith, S. Gorell, A. Ettehadtavkdd
- 9:25** **Refreshment Break**
- 10:10** **NMR Characterization of Micro- to Nanoporosity Within Diagenetically Complex Carbonate Reservoirs: Mississippian-Aged Carbonates (Reno County, Kansas):** I. Y. Bode-Omoleye, C. Zhang, M. G. Grammer
- 10:30** **Experimental Insights on Mineralogical Stabilization in Carbonates:** M. Hashim, S. E. Kaczmarek
- 10:50** **Integration of NMR, MICP, and Quantitative Digital Petrography for Improved Understanding of Carbonate Pore System Complexity:** A. S. Buono, E. M. Bunge, S. M. Fullmer, K. C. Galvez, P. J. Moore, O. Ijasan, J. M. Rivers
- 11:10** **Statistical Characterization of Non-Matrix Porosity and Permeability in a Devonian Dolostone Reservoir from Alberta Canada:** J. B. Dunham
- 11:30** **Magnesium-Rich Rims in Calcite Microcrystals: Possible Cause of Water-Wet Conditions in Microporous Tor Formation Depositional Chalk:** C. J. Rinderknecht, F. Hasiuk

Theme 7: Remote Sensing, Monitoring, and Regional Studies, and Gulf of Mexico

Room 213 A/B

Chair: *TBD*

- 8:00** **Introductory Remarks**
- 8:05** **A Parsimonious Approach to Gravity Inversion for Salt Shape Delineation:** S. Re, L. D. Masnaghetti, E. Medina
- 8:25** **Enhancement of Anomalies in Time-Lapse Seismic Data by Means of Principal Component Analysis:** T. S. Ruchiga, R. D. S. Portugal, M. Xavier
- 8:45** **Crustal Structure of the Onshore Cenozoic Niger Delta Basin, Interpretations From High-Resolution Gravity and Magnetic Data:** L. N. Onuba
- 9:05** **Refracture Candidate Selection Considering Natural Fracture Orientation in the Near-Fault Damage Zone:** T. Ramsay, L. Hernandez, J. Li, M. Erdogan
- 9:25** **Refreshment Break**
- 10:10** **New-Old Potential Field Data in the Alaska OCS:** M. Unger
- 10:30** **Identifying and Drilling Through Intra-Salt Hazards – A Case Study From Stampede Field, Deep-Water Gulf of Mexico:** G. K. Mohapatra, E. Moran, M. Sasser, S. Uchytel, W. Martins, J. Lopez
- 10:50** **Exploration in the Atlantic Conjugate Margin Using CSEM Data as Part of an Integrated Workflow:** P. T. Gabrielsen, D. Helland Hansen, V. Ricoy-Paramo*, T. de Souza Dumas, L. Berre
- 11:10** **Comparing Stratigraphic Architecture and Petroleum Systems Across the South Atlantic Margin:** K. McDonough, B. W. Horn, K. R. Reuber, F. Brouwer, K. McDermott
- 11:30** **Modeling and Monitoring Reservoirs Over Their Lifetimes:** M. L. Oristaglio, S. Oppert, J. Stefani, J. Herwanger, P. Popov, L. Tan

WEDNESDAY MORNING POSTER SESSIONS

Exhibit Hall 9:00 am–12:00 pm

(Presenters will be in their booths 9:30 am–11:00 am)

Theme 6: Sustainability and Carbon

Chair: *S. Bakhshian*

- P1 Regional Assessments of Onshore and Offshore CO₂ Storage Potential for the MRCSP:** L. Cumming
- P2 Microbial Resetting After a CO₂ EOR Flood May Allow Stimulation of Microbial Methanogenesis to Recover Residual Oil:** J. L. Shelton, R. Andrews, D. Akob, C. DeVera, A. Mumford, J. C. McIntosh, J. McCray
- P3 An Overview of the MRCSP Petroleum Fields 2018 Database Release:** J. E. Lewis, C. Kristin, P. Dinterman, T. Sparks, W. Harrison, C. Medina, J. Moore, R. Ott, B. Slater, M. Solis
- P4 Explorations in TOC for Assessment of CO₂ Storage and Enhanced Gas Recovery for the Middle Devonian Marcellus and Upper Ordovician Utica Shales for the Midwest Regional Carbon Sequestration Partnership:** B. C. Nuttall, T. N. Sparks, S. F. Greb
- P5 Simulation Study of CO₂ EOR and Storage Potential of the Commercial-Scale Integrated CCUS Demonstration Project in the Ordos Basin, China:** H. Wang, Z. S. Jiao
- P6 CO₂ Mineralization in Natural Analogs of the Yinggehai Basin, Northern South China Sea:** R. Liu, N. Heinemann, J. Liu, W. Zhu
- P7 Application of Machine Learning for WAG Parameters Optimization in CO₂-EOR and Geological Carbon Sequestration:** Z. Zhong, A. Sun
- P8 Reservoir Numerical Simulation for CO₂ Sequestration in Paraná Basin, Brazil:** N. Weber, C. Tassinari, M. A. Pinto, D. Peyerl*
- P9 Assessing the Potential for CO₂ EOR and CO₂ Storage in Depleted Oil Pools in Southeastern Saskatchewan, Canada:** G. K. Jensen
- P10 How a Carbon Tax Could Benefit US Natural Gas Producers, But How Much and For How Long?:** J. M. Rine
- P11 Characterization of the High Island 24L Oil and Gas Field for Modeling and Estimating CO₂ Storage Capacity:** I. Ruiz, T. Meckel

Theme 5: International Unconventional Plays

Chair: *T. Kosanke*

- P12 Mapping of TOC Rich Intervals in the Vaca Muerta Formation:** M. Tenaglia, R. J. Weger, G. P. Eberli, . K. Swart
- P13 Hydrocarbon Accumulations in and Around Basalts in the Cenozoic of Northeast Bohai Bay Basin, China:** Y. Huang, Q. Leng, J. Zhao, S. Wang

- P14 Assessment of Storage and Productivity Potential of a Frontier Unconventional Shale Oil Play in a Rift Basin, Lower Barmer Hill Formation, Barmer Basin, India:** U. Kuila, B. N. Naidu, V. R. Sunder, D. Beliveau, J. C. Dolson, A. Mandal, S. Dasgupta, P. Mishra, P. Mohapatra
- P15 Calm Harbor Hypothesis: Chances for China's Shale Gas Exploration in Structurally Complex Areas:** L. Song, J. Zhang, F. Pang, S. Li
- P16 $\delta^{13}\text{C}$ as a Proxy of Paleoenvironmental Water Conditions During Deposition of the Vaca Muerta Formation (Tithonian-Early Valanginian)–Neuquén Basin:** L. Rodriguez Blanco, G. P. Eberli, P. K. Swart, R. J. Weger, M. Tenaglia
- P17 Unconventional Oil Play Assessment in Northeastern British Columbia, Canada:** B. J. Hayes, R. Wust, C. Salas, H. Anderson
- P18 Reservoir Facies Within a Basin Centered Gas Accumulation, Thrace Basin of Northwest Turkey:** R. Sadownyk, T. F. Moslow*
- P19 Organic-Rich Shale Wettability and Its Controlling Factors: Comparative Investigations of Typical Marine, Continental, and Transitional Shales in the Middle Yangtze Platform (China):** R. Yang, S. He, Q. Hu, G. Zhai, J. Yi
- P20 Selecting an Appropriate Unconventional Play Analog for the Bowland Shale While Acknowledging Operational Constraints in the United Kingdom:** R. Harrison, T. Oueidat, G. Falcone
- P21 Compaction Index for Mudstone in the Vaca Muerta Formation, Neuquén Basin, Argentina:** D. F. McNeill, L. Rodriguez-Blanco, R. J. Weger, M. Tenaglia, J. Schnyder, G. P. Eberli
- P22 Analysis of the Metre-Scale Depositional Architecture of the Montney Formation in Outcrop Using UAV Technology: Implications for Sedimentology, Sequence Stratigraphy, and Reservoir Characterization:** S. Poirier, P. K. Pedersen

Theme 3: Hydrocarbon Migration and Charge Risk Assessment

Co-Chairs: *Q. Liu, N. Kuszniir, and Y. R. Zhao*

- P23 Influence of Gas and Oil State on Oil Mobility and Sweet Spot Distribution in Tight Oil Reservoirs From the Perspective of Capillary Force:** Y. Li, Y. Song
- P24 Geochemical and Fluid Inclusions Analyses of Several Calcite Veins and Matrix Within the Vaca Muerta Formation, Neuquén Basin, Argentina:** S. Larmier, A. Zanella, J. Pironon, C. La, A. Lejay, R. Mourgues, F. Gelin
- P25 Experimental Study on the Influence of Bitumen on Natural Gas Generation:** H. Gai, H. Tian, P. Cheng, T. Li, X. Wang

- P26 Petroleum System Insights of Newfoundland and Labrador from Fluid Inclusions:** J. Chao, D. Hall, R. Lishansky, R. Moore, S. Feiner, N. Mozhaeva, M. Palowesyk, W. Phukhao
- P27 The Genetic Mechanisms and Characteristics of Hydrocarbon Migration Induced by Overpressure in the Yinggehai Basin, South China Sea:** C. Fan, Y. Zhang, Y. Deng, H. Li, J. Hou
- P28 Apatite Fission Track Thermochronology in 2-D Basin Modeling – A Case Study of a Frontier Basin in a Fold and Thrust Belt:** M. Schwangler, N. Harris
- P29 Inefficient Charge-Migration or Poorly Characterized Traps:** T. A. Murray, W. Power, S. Sosio de Rosa, Z. Shipton, R. Lunn, D. R. Richards

Theme 1: New Advances in Mature Basins

Co-Chairs: *G. Baudot, B. W. Driskill, and E. Pliego-Vidal*

- P30 Trap and Fault Analysis: Revisiting Texas Gulf Coast:** T. A. Murray, T. M. Helm, W. Power
- P31 A Novel Methodology of Using Well Log Analyses to Identify Brownfield and Greenfield ROZs in the Illinois Basin:** N. Grigsby, N. Webb, S. Frailey
- P32 CO₂ Storage and EOR Resource Assessment of the Cypress Sandstone Residual Oil Zone Play in the Illinois Basin:** N. Webb, N. Grigsby, S. Frailey
- P33 New Opportunities in Old Fields: A Case Study From Dahomey Basin, Offshore West Africa:** I. J. Ayodele, C. Cavalleri, E. B. Benard, A. Orimolade
- P34 Paleo-Canyons and Contemporaneous Oil Seeps Near the Paleocene/Eocene Boundary, Tampico-Misantla Basin, Eastern Mexico:** S. P. Cossey, M. R. Bitter, J. Dickens, D. S. Van Nieuwenhuise, J. L. Pindell, J. H. Rosenfeld, A. Beltran, P. Cornick, C. Agnini
- P35 A Collective Proven Play of Paleogene Lacustrine Rift Basins in Western Indonesia:** E. H. Sihombing, L. J. Wood
- P36 Petroleum Geological Exploration Technology – Innovation Strategies, Upper Rotliegend, Polish Permian Basin:** K. Wolanski, S. Chruscinski, A. Wolanska, A. Chmielowiec-Stawska
- P37 Provenance Analysis of Neogene Guantao Formation in Bodong Sag, Bohai Bay Basin, Eastern China: Implications for Sediment Routing:** Z. Sun, H. Zhu, C. Xu, X. Du
- P38 Paleogeographic Reconstruction and Characteristic Trends of a Basin Floor Fan in Los Molles Formation, Neuquen Basin, Argentina:** G. Giacomone, C. Olariu, R. J. Steel, M. Shin
- P41 Implications for Lower Cretaceous Reservoir Distribution and Geologic Controls for Shelf-Edge Delta Successions; North Slope Alaska:** S. R. Nolan, J. Aschoff

Theme 1: Innovation and Technology in Biostratigraphy for Challenging Times

Co-Chairs: *M. Lorente, M. Bolivar, and S. Jackett*

- P39 Palynofacies: An Under-Utilized Tool in the Hydrocarbon Industry. Methodology, and Applications:** K. Ruckwied, I. M. Prince
- P40 To Frack, Follow Heterohellicids' Track:** K. Elderbak, R.M. Leckie, C. M. Lowery
- P42 Petrographic and Biostratigraphic Study on a Representative Core Section From the Kurdistan Region of Iraq:** F. Russo, M. Kariminia, C. Wells, F. Ollivier, T. P. Burchette
- P43 Ichnologically Distinct Thin-Bedded Turbidite Facies in Lobe Sub-Environments, Upper Cretaceous Nanaimo Group, British Columbia, Canada:** M. M. Walters, J. A. MacEachern, S. M. Hubbard
- P44 Contributions From Morphological Analysis in Calcareous Nannofossils to Biostratigraphic Resolution:** D. Bord
- P45 Gulf of Mexico Neogene Astronomically-Tuned Biostratigraphic Time Scale:** J. Bergen, S. Truax, E. de Kaenel, S. Blair, E. Browning, J. Lundquist, T. Boesiger, M. Bolivar, K. Clark*
- P46 Paleobathymetric Interpretation Via Analog Analysis:** E. Platon, J. Vinnels, C. Steffensen
- P47 Neogene Changes in Caribbean Paleoproductivity and Paleobathymetry of Deep-Sea Benthic Foraminifera, With Implications for the Gulf of Mexico:** C. R. Pletka, L. S. Collins
- P48 The Critical Role of Ichnology in Recognizing the True Last Big Marine Transgression of the Western Interior Sea: Paleocene Ferris Formation, Southern Wyoming:** A. Wroblewski, R. Dunn
- P49 The Case for Erecting Two New Seilacherian Ichnofacies for Deltaic Successions: The *Rosselia* Ichnofacies and the *Phycosiphon* Ichnofacies:** K. L. Bann, J. A. MacEachern
- P50 Evidence for an old Paraná Delta and Diachroneity in Global Highstands:** R. Stieffel, J. M. Holbrook, D. Kröhlung, J. Roldan
- P51 A Multidisciplinary Study on a Representative Section From Masirah Basin-Oman:** F. Russo, C. Brown, R. E. Hinote, J. Hodson, M. Kariminia, M. A. Lorente, C. Wells

Theme 4: Global Perspectives on Compressional Deformation

Co-Chairs: *N. Eichelberger and J. W. Granath*

- P52** **Insights Into the Occurrence of Intraplate Strike-Slip Deformation in the Foreland Llanos Basin, Colombia:** P. A. Galindo, J. E. Calderon, G. Zarate, A. Hurtado, C. J. Sanchez
- P53** **Structural Transition From Cordoba Platform to Veracruz Basin (Mexico):** V. Egorov, M. Kaminski, A. Rovirosa, A. Hinojos
- P54** **Geology and Tectonic of the Sulaiman Fold Belt, Pakistan:** I. A. Jadoon, M. O. Zeb
- P55** **Dynamics of the Sub-Salt Structural Transitions in the Kuqa Foreland Basin and Its Implication for Hydrocarbon Explorations:** J. Liu, B. Zhao, Y. Liu, Y. Gu, J. Xu, N. Gao, Y. Wang, X. Liu
- P56** **A Promising Hybrid Strike-Slip Associated Structure for Hydrocarbon Accumulation: A Case Study on JZ27-6 Oil-Bearing Structure in the Bohai Sea Area, East China:** G. Wang, S. Li, Y. Hu, Z. Wu, S. Xing, W. Zhao
- P57** **Structural Characteristics of Fault Systems and Controlling Factors of Hydrocarbon Accumulation in the Cenozoic Faults Intersection Area of the Southern Bohai Sea, Eastern China:** X. Zhang, Z. Wu, W. Li, J. Ren, B. Yang
- P58** **Tectonic Characteristics of Tan-Lu Fault Zone (East China) in the South of Bohai Sea Area and Its Controls on Hydrocarbon Accumulation:** Q. Zhang, K. Wu, H. Yang, Z. Wu, W. Li, X. Chen, X. Zhang, T. Guo
- P59** **Characteristics of the Strike-Slip Faults and the Fault-Karst Reservoirs in the Halahatang Oil Field, Tarim Basin:** X. Zheng, H. An, P. Ma, Z. Wang, H. Zhou, L. Zhang
- P61** **Basement-Driven Deformation of the Sedimentary Sequence in North-Central Oklahoma:** F. Kolawole, B. Carpenter, Z. Reches, M. J. Turko Simpson

AAPG Student Research Poster Session II

Co-Chairs: *B. Stickland and A. Uvwo*

- P62** **Present-Day Stress State Prediction of a Tight Gas Reservoir Using Geomechanical Models – A Case Study From the Lower Magdalena Valley Basin, Colombia:** C. I. Guerra, K. Fischer, A. Henk
- P63** **Deltaic Facies Relationships in an Asymmetric Pull-Apart Basin, Lake Izabal, Guatemala: A Case Study From Short Sediment Cores and Geophysical Data:** E. Duarte, J. Obrist-Farner, N. J. Wattus
- P64** **Diagenesis of the Arbuckle Group in Eastern and Central Oklahoma:** P. Bailey, J. M. Gregg
- P65** **Timing of Paleozoic-Cenozoic Tectonic Events in the Permian Basin, West Texas, From Integrated Subsidence and Structural Studies:** H. Zhang, P. Mann
- P66** **Stratigraphic Evolution of Confined Deep-Water Basins: Insights From Physical Models and Outcrop Analogs:** E. Soutter, Z. Cumberpatch, D. Bell, I. Kane, R. Ferguson, Y. Spsychala, J. Eggenhuisen

- P67** **Porosity Characterization of Organic Shale Using NMR Technique: A New Method Considering Shale Skeleton Signal:** J. Li, S. Lu, M. Wang, G. Chen
- P68** **Experimental Analysis of Tight Rock Clay Cation Exchange Capacities and Modeling of Properties Critical to Reservoir Desiccation:** S. Smith, M. Shebl, S. McWhorter, S. Greg
- P69** **Gravity-Driven Deep-Water Fold-and-Thrust Belts Along the Continental Passive Margin of East Africa and Their Control on Petroleum Play:** C. Zhang, J. Cai*, Y. He, D. Wu
- P70** **Geochemical and Microfacies Implication of the El Pujal Section at the Close of Carbon Isotope Segment C5: Organyà Basin, Catalunya, Spain:** J. Socorro, F. J. Maurrasse
- P71** **3-D Seismic Characterization of Sand Injectites in the Palaeogene Succession of the Northern North Sea:** S. Nnorom, M. Huuse
- P73** **Testing the Two-Stage Triassic-Jurassic Opening Model for the Gulf of Mexico From Faults Bounding Shallowly Buried Rifts in the Southeastern Gulf of Mexico:** M. P. Zinecker, P. Mann
- P74** **Reservoir Prediction Based on Geostatistical Inversion by the Facies Trend Model: A Case Study From the Gudian Block, Northeast China:** W. Wang
- P75** **Developing an Open Shelf Shale Depositional Model: The Early Ordovician Tøyen Shale Formation Example:** A. Novak, S. O. Egenhoff
- P76** **Autogenic Progradation and Retrogradation Patterns in Deltaic Strata Generated by the Interplay Between Discharge and Basin Geometry:** L. Stodden

SEPM Student Research Poster Session II

Co-Chairs: *H. E. Harper and J. F. Sarg*

- P77** **Architectural Variability of a Deep-Water Slope Channel Complex Above a Sequence Boundary, Isaac Formation, Neoproterozoic Windermere Supergroup, Southern Canadian Cordillera:** P. Fraino, L. L. Navarro, B. Arnett
- P78** **Lacustrine Carbonate-Siliciclastic Clinofolds in the Lower-Permian Lucaogou Low-Order Cycle, Southern Bogda Mountains, Northwest China:** Y. Lu, W. Yang
- P79** **Depositionally Conditioned Training Images for Fluvial Sandsheet Reservoir Models: Examples From the Lower Castlegate Sandstone, Utah, USA and Jamuna River, Northern India:** A. J. Mitten, J. Mullins, J. K. Pringle, J. A. Howell, S. M. Clarke
- P80** **Analysis of the ~2.57 Ga Hamersley Basin Using Statistical and Petrographic Techniques:** K. S. Korman, A. K. Davatzes
- P82** **Mixed Signals: Using Numerical Modeling to Disentangle Milankovitch Cycles in a Complicated Outcrop:** D. Beelen, F. J. Hilgen
- P83** **Three-Dimensional Outcrop Model of an Evolving Supercritical Fan in the Early Gulf of California:** L. M. West, C. Olariu, M. M. Perillo, D. Mohrig, J. A. Covault, R. J. Steel

- P84** Sequence Stratigraphy in Mudstone Intervals Using Chemostratigraphic Datasets: An Example From the Devonian Canol Formation: M. T. LaGrange, B. S. Harris, K. M. Fiess, V. Terlaky, M. K. Gingras
- P85** Pennsylvanian-Permian Climatic Records From Low Latitude Rainsville Trough in Northern New Mexico: N. Chowdhury, D. Sweet

Theme 8: Application of Machine Learning to Imaging

Chair: C. Shrivastva

- P86** Utilization of High-Resolution Short- and Long-Wave Hyperspectral Imaging for Integrative Rock Typing: X. Liu, T. Kosanke
- P87** Obtaining Geomechanical Information From Hyperspectral Imaging of a Shale Core, Horn River Basin, Western Canada: N. B. Harris, B. Rivard, J. Feng, A. Moghadam
- P88** Convolutional Neural Networks for Semantic Segmentation of Micro-Pores in SEM Based Images of Shales: K. Ikeda, E. J. Goldfarb, N. Tisato
- P89** Hyperspectral Imaging of the Leonardian Third Bone Spring Shale, Collier 1201 Core, Delaware Basin: Application and Results: T. H. Kosanke, R. G. Loucks, T. E. Larson, J. Greene, P. Linton
- P90** Characterizing Fluvial Architecture Using UAV-Based Photogrammetry and Outcrop-Based Modeling: Implications for Reservoir Performance, Southwestern Piceance Basin, Colorado: M. J. Pranter, S. A. Clark, K. D. Lewis, J. J. Tellez, Z. A. Reza, R. D. Cole
- P91** Long-Wave Infrared Core Imaging for Oil and Gas Applications: P. Linton, D. Browning*, T. H. Kosanke, J. Greene
- P92** Automated Grain Tracing and Point Counting Using Machine Learning: D. Tang, K. T. Spikes, K. L. Milliken
- P93** Application of Multiple Hyperspectral Imaging Tools to the Examination of Submillimeter Variability in Geochemical Reference Materials From Major USA Shale Plays: J. E. Birdwell, C. Draves, G. Kemeny, S. Whaley, S. A. Wilson

Theme 5: Unconventional Plays: Appalachians, Rockies, and Midcontinent

- P94** Far-Field Tectonic Controls on Deposition of the Ordovician Utica/Point Pleasant Play, Ohio Using Core Logging, Well Logging, and Multi-Variate Analysis: J. M. Bloxson
- P95** Powder River Basin Unearthed...Will it be the Next Big Shale Play?: A. T. Folaranmi
- P96** Regional Correlation and Mapping of Niobrara in the Powder River Basin, Wyoming: Z. Li, R. Taylor, A. Perez, G. Spence
- P97** Source Rock Potential Evaluation of the Eagle Ford – Austin Chalk Transition in San Antonio, Texas: G. C. Velko, A. Gupte, J. R. Cooper, A. Godet
- P98** Scolicia-Dominated Levee Deposits, Upper Cretaceous Nanaimo Group, Saltspring Island, British Columbia, Canada: M. Walters, J. A. MacEachern, S. M. Hubbard
- P99** Updated Assessment of Undiscovered Continuous Tight Gas Resources in the Williams Fork and Wasatch Formations, Piceance and Uinta Basins, Colorado and Utah: R. M. Drake

WEDNESDAY AFTERNOON ORAL SESSIONS

Theme 10: Financing

Hemisfair Ballroom I

Co-Chairs: L. T. Billingsley and A. Sandlin

- 1:15** Introductory Remarks
- 1:20** The Development of an Entrepreneur: From a Dream to a Reality: D. Stoneburner
- 1:40** Criteria for Choosing Partner Teams: Private Equity's Perspective: E. C. Nielsen
- 2:00** Evaluating Private Equity Companies: D. G. Burdick
- 2:20** Building a Private Equity Company: Steps, Dos, and Don'ts: R. D. Fritz
- 2:40** Expanding the Southern Delaware Basin Core Through Subsurface Understanding and Engineering Execution: M. Hiduke
- 3:00** Break
- 3:10** Minerals and Royalties: Geos Can Too: K. L. Luchtel Ferguson
- 3:30** Non-Operated Underwriting: Steps to Successful Evaluation: A. Willbern
- 3:50** Funding Your Projects With International Investors: How, When, Where: S. A. Tedesco
- 4:10** Financing the New Data Science Businesses of Geology: The Experiences of AAPG's U-Pitch: S. S. Nash

Theme 5: Advances in Unconventional Reservoir Characterization III: Predictive Technologies

Room 217 B/C

Co-Chairs: *B. C. Riley and D. L. Cannon*

- 1:15 **Introductory Remarks**
- 1:20 **Visualizing Depletion and Depletion-Induced Stress Changes in Unconventional Reservoirs:** M. D. Zoback, L. Jin
- 1:40 **Machine Learning for Rapid Lithotype Classification From Multi-Log Suites to Assist Interpretation and Property Modeling:** W. Bashore
- 2:00 **A New Approach to Refine and Quality Control Correlations in Shale and Siltstone Formations Based on Principal Component Analysis of XRF Data:** J. D. Chatellier, T. Euzen, A. Cheema
- 2:20 **From Unconventional Reservoir Characterization, 3-D Seismic Multi-Attribute Analysis and Machine Learning Guided Geocellular Modeling to Well Performance (EUR) Simulation: Woodford Shale Case Study in North of Oklahoma, USA:** E. J. Torres Parada, S. Sinha, L. E. Infante-Paez, R. M. Slatt, K. J. Marfurt
- 2:40 **Diagnostics and Uncertainty Characterization of Tight Liquid Production With Phase Behavior: Insights From Case Study in the Delaware Basin:** C. Varady, J. Pantano, D. A. McVay
- 3:00 **Break**
- 3:10 **Probabilistic Approach for Estimating Reservoir Quality and Calculating Water Saturation: Montney Formation, Western Canada:** N. Vaisblat, E. V. Eslinger, N. B. Harris
- 3:30 **Load Recovery in Hydraulic Fracturing: Insights Into Fracture Surface Area:** A. Moghadam, N. Vaisblat, N. B. Harris, R. Chalaturnyk
- 3:50 **Unraveling the Source and Dynamics of Produced Water From Hydraulically Fractured Middle Bakken and Three Forks Wells in the Williston Basin, North Dakota Using Novel Water Geochemical Methods:** S. Wright, J. Pantano, S. G. Franks, M. H. Kloska, J. M. Wolters
- 4:10 **Unconventional Development and Production Geochemistry – Oil, Natural Gas and Water Geochemical Data Provide Evaluation Workflows Through the Lifecycle of a Well:** M. P. Dolan, B. C. Burke, P. Travers, S. Hodgetts
- 4:30 **Quantitative Calibration of Hyperspectral Core Imaging Data: A New Method for Producing Continuous, High-Resolution Mineralogical Characterization of Cores From Both Conventional and Unconventional Reservoirs:** J. Greene, T. H. Kosanke, P. Linton

Theme 1: Innovation and Technology in Biostratigraphy for Challenging Times

Room 217 D

Co-Chairs: *M. Bolivar, I. Prince, and M. Lorente*

- 1:15 **Introductory Remarks**
- 1:20 **The Role of Biostratigraphy and Biochronology in Constraining Sequence Stratigraphic Interpretation:** M. Aubry
- 1:40 **Orbital Forcing Cyclostratigraphy of Miocene Formation in the South of Albert Rift, Uganda:** W. Xu, Y. Zhang, L. Fang, L. Song
- 2:00 **Review of the Gulf of Mexico Neogene Astronomically-Tuned Biostratigraphic Time Scale and Its Potential Applications to Enhanced Basin Description and Constraint of Climatic Events at the Level of Cyclostratigraphy (Eccentricity):** E. Browning, J. Bergen, S. Truax III, E. deKaenel, S. Blair, J. Lundquist, T. Boesiger, M. Bolivar, K. Clark
- 2:20 **Integrated Work Flow for Stratigraphic, Paleoclimate, Provenance Analysis and Prediction (Gulf of Mexico):** E. Platon, D. Buechmann, J. Vinnels, L. Yu, J. Kalinec, P. Cornick, N. Champion
- 2:40 **A Sequence Stratigraphic Framework for the Wilcox Group, Gulf of Mexico:** P. Cornick, N. Champion, I. Prince
- 3:00 **Break**
- 3:10 **Generating Well-Constrained Chronostratigraphic Age Models: Case Study From the Late Paleocene Through Middle Eocene When Major Carbon Cycle Changes Took Place:** B. S. Slotnick, G. R. Dickens, C. Hollis, J. Crampton, P. Strong, E. Dallanave, C. Agnini, J. Zachos
- 3:30 **Improving Global Stratigraphic Resolution and Timescales for the Late Cretaceous: Carbon Isotope Chemostratigraphy and Integration With Biostratigraphy, Geochronology, and Orbital Tuning:** I. Jarvis
- 3:50 **Foraminifera and Geochemistry to Solve Stratigraphic Problems, Sea Level Change, and Water Mass History: Mesozoic Case Studies:** R. M. Leckie, A. Alibrahim, R. Bryant, S. Dameron, K. Elderbak, C. M. Lowery
- 4:10 **Temporal Constraints on Submarine Slope Channel System Evolution, Late Cretaceous Nanaimo Group, British Columbia, Canada:** R. G. Englert, S. M. Hubbard, W. A. Matthews, D. Coutts, H. Bain, J. A. Covault
- 4:30 **Nannofossil Paleocological Indices: Implications for Reservoir Characterization, Petroleum Systems and Sequence Stratigraphy:** A. Avery, R. D. Weber

Theme 4: Characterizing Brittle Deformation and Its Impact on Reservoirs

Room 214 B/C

Co-Chairs: *T. L. Davis and E. S. Petrie*

- 1:15** **Introductory Remarks**
- 1:20** **What Drives the Formation of Natural Fractures in Unconventional Reservoirs?:** P. Eichhubl, J. F. Gale, S. E. Laubach, A. Fall, E. Ukar
- 1:40** **Opening-Mode Fracturing and Cementation Timing in the Barnett Shale, Delaware Basin, West Texas:** J. F. Gale, A. Fall, W. A. Ali, S. E. Laubach, P. Eichhubl, R. Bodnar
- 2:00** **Which Fault Matters: Evaluation of Reservoir Compartmentalization by Integration of Borehole Image and Real-Time Isotope Data $\delta^{13}C_1$:** N. Ha, C. Murlidhar*, A. Brem, V. Vevakanandan, T. Zhang
- 2:20** **Relationship Between Shortening in the Zagros Fold, Thrust Belt, and Natural Fracture Orientation: A Case Study From Kurdistan Region of Iraq:** S. Banerjee, A. E. Whitaker, K. Kelsch, D. F. Goff
- 2:40** **Innovative Workflow for Fracture Characterization and Its Utilization in Development of Naturally Fractured Carbonate Reservoirs: A Kuwait Case Study:** C. Pattnaik, V. K. Kidambi, S. R. Narhari, N. Al-Ajmi, M. Al-Dousiri
- 3:00** **Break**
- 3:10** **Fracture or Band? – A Transitional Type of Deformation Feature With Surprising Flow Effects:** H. Lewis, G. D. Couples, J. Buckman, Z. Jiang
- 3:30** **Sealing or Breaching? Predicting Seal Failure Mechanisms Across a Sedimentary Basin: An Exercise in the Caswell Sub-Basin:** K. Tsutsui, K. Nifuku, Y. Totake*
- 3:50** **Fractured Reservoir Analogs: From Virtual Outcrops to Discrete Fracture Models:** R. R. Jones, J. Long, S. Daniels
- 4:10** **Stress Field and Fracture Analysis of Paleocene Rock Unit Using Borehole Image Data and 3-D Seismic Interpretation of Kohat Foreland Basin, Pakistan:** R. H. Inam, M. I. Khan, M. U. Zafar, M. Miraj
- 4:30** **A New DFM Dynamic Modeling Workflow Through a Non-Intrusive EDFM Method to Quickly Calibrate Fracture Model With Production Data: Practical Application on a Granite Reservoir Case:** X. Li, C. Lei*, J. Miao, R. Wang, F. Medellin, F. Xu, W. Yu, K. Sepehrnoori

Theme 9: New Global Exploration and Play Concepts

Room 217 A

Co-Chairs: *A. Scardina and C. Marcellari*

- 1:15** **Introductory Remarks**
- 1:20** **Tectonostratigraphy of The Frontier Basins of the Central and Eastern Gulf of Mexico:** R. P. Pascoe, P. Nuttall
- 1:40** **Foz do Amazonas and Pará-Maranhão Ready to Replicate Guyana Success:** P. V. Zalan, N. Hodgson, M. Saunders
- 2:00** **The History and Areal Distribution of Exploration Drilling Targets Categorized by Play Type, North Slope and Offshore Arctic Alaska:** L. S. Gregersen, G. A. Brown
- 2:20** **Geological and Petroleum Systems Framework of the ANWR Coastal Plain (Arctic National Wildlife Refuge 1002 Area):** D. W. Houseknecht
- 2:40** **Heavy Minerals and U-Pb Zircon Ages of Upper Jurassic Reservoirs in the Flemish Pass and Orphan Frontier Basins, Offshore Newfoundland:** P. Sylvester, A. Souders
- 3:00** **Break**
- 3:10** **Deep-Water Northern Argentina – A New Frontier:** S. DeVito
- 3:30** **Defining New Exploration Play Potential in the Offshore Sirt Basin and Cyrenaica Margin, Libya, Using Mega-Regional 2-D Seismic Data:** L. Fullarton, K. McDermott, E. Gillbard, P. Bellingham
- 3:50** **Covenant Oil Field in the Central Utah Thrust Belt – What Has Been Learned in the 15 Years Since the Discovery:** T. C. Chidsey, D. A. Sprinkel, B. J. Kowallis, H. H. Doelling, G. Waanders
- 4:10** **Exploration of the Carson, Bonniton, and Salar Basins – An Integrated Seep Hunting and Geochemical Sampling Approach Reduces Uncertainty and Increases Scientific Knowledge in Frontier Basins:** J. R. Grenader, J. J. Gharib, R. Wright
- 4:30** **Integrating Remote Sensing and Field Data for Geothermal Energy Exploration in the Gulf of Suez, Egypt:** M. A. Noweir, A. S. Fahil, E. M. Ghoneim, A. A. Masoud

Theme 8: The Digital Transformation in the Geosciences

Room 214 D

Co-Chairs: *L. E. Stright, J. Deck, and A. Hosford Scheirer*

- 1:15 **Introductory Remarks**
- 1:20 **An IIoT Platform for Agile Development and Deployment of Data-Driven Solutions in E&P:** T. Wen, X. Huang
- 1:40 **Challenges and Solution to AI Application in E&P Decision-Making:** S. Sun, J. Faroppa, S. Wu
- 2:00 **Efficient Access to Relevant Knowledge Extracted From Geoscience Literature Dedicated to Petroleum Basin Exploration by Using IBM Watson:** X. Guichet, N. Dubos-Sallée, M. Cacas-Stentz, D. Rahon, V. Martinez
- 2:20 **Next-Generation Interpretation Workflows:** S. Vallabhaneni, Y. Mao, A. Dev, S. Priyadarshy
- 2:40 **Automatic Interpretation in Structurally Complex Seismic Volumes:** A. Bugge, J. Lie, J. Faleide, L. Vynnytska, S. Clark
- 3:00 **Break**
- 3:10 **Automated Interpretation of Depositional Environments Using Measured Stratigraphic Sections and Machine-Learning Models:** Z. R. Jobe, A. Downard, T. P. Martin, R. Meyer
- 3:30 **Towards a Basin-Scale Lithofacies Model – An Integrated Machine Learning Approach Using Well Logs and Core for the Permian Basin:** D. Ooi, M. Ashby, C. Noll, L. Moraes, D. Hayes, I. Tobar
- 3:50 **Release the APE: A Novel Approach to Produce Estimated Well Logs on Horizontal Wells and Improve Multivariate Predictive Models:** P. Ruddy, C. W. Grant
- 4:10 **Integrated Production and Subsurface Machine Learning Model for Predicting Hydrocarbon Recovery in the Bakken:** K. Sathaye, J. Ramey, J. Wan
- 4:30 **Application of Neural Networks and Machine Learning in Tiltmeter Analysis in Hydraulic Fracturing Diagnostics:** B. Bagherian

Theme 1: Diagenesis and Rock Property Trends in Siliciclastics

Room 214 A

Co-Chairs: *I. Ball, J. S. Hearon, and E. Hernandez*

- 1:15 **Introductory Remarks**
- 1:20 **Assessing HPHT Sandstone Reservoir Quality: Identifying the Reality:** D. Charlaftis, S. J. Jones, P. Dyer, C. Greenwell, S. Acikalin, M. J. Osborne
- 1:40 **Integrating Basin and Reservoir Quality Modeling for Improved Prediction of Porosity and Permeability in the Deep-Water Wilcox Formation, Gulf of Mexico, USA:** J. Hearon, I. Ball, T. S. Szwarc

- 2:00 **How is Detrital Clay Content Distributed in Shallow-Deep Marine Settings? Detailed Insights From Two Highly Active Modern Analogs:** C. McGhee, S. Acikalin, R. Worden, J. Griffiths, L. Wooldridge, J. Utley, A. Hendry, M. Clare, G. Lintern, P. Talling
- 2:20 **The Distribution of Chlorite-Precursor Phases in Cores Through a Modern Tidal Bar: Towards Prediction of Chlorite in Reservoir Sandstones:** R. H. Worden, D. Muhammed, N. Simon, I. Verhagen, J. Griffiths, L. J. Wooldridge, J. E. Utley, C. McGhee, S. Acikali
- 2:40 **Distinct Petrographic Changes Across the Triassic-Jurassic Boundary in the Southwestern Barents Sea – Implications for Predicting Reservoir Quality:** L. Line, H. Hellevang, J. S. Jahren
- 3:00 **Break**
- 3:10 **Dolomite Cementation as Prime Control of Reservoir Quality in the Permian Rotliegend Sandstones, Offshore The Netherlands (Block K6) in Relation With Mudstone/Sandstone Ratio:** J. Girard, J. M. Miocic

ENERGY IN DATA
Powered by AAPG, SEG & SPE
Driving digital transformation in oil and gas

Introducing the inaugural joint society data conference, exclusively designed for participants in the digital transformation of the energy sector.

17–19 June 2019
Austin, Texas
Omni Barton Creek Resort & Spa

This forward-looking conference will include the latest in digital transformation trends as they relate to the energy sector, including oil & gas development and drilling, production, and more.

Register early. Capacity is limited.

energyindata.org



- 3:30 **Diagenesis of Sandstones Surrounding the Gypsum Valley Salt Diapir, Paradox Basin, Colorado: An Example From the Jurassic Fluvial Salt Wash Member of the Morrison Formation:** C. H. Bailey, R. Langford, K. A. Giles
- 3:50 **Quartz Cement in Mudrocks: Review of Occurrence and Habit in 18 Mudrock Units:** K. L. Milliken
- 4:10 **Compositional Variation in Modern Estuarine Sands: Predicting Major Controls on Sandstone Reservoir Quality:** R. H. Worden, J. Griffiths, L. J. Wooldridge, J. E. Utley, R. A. Duller
- 4:30 **Phyllosilicate Diagenesis in Mississippian Sandstones of the Michigan Basin:** B. J. Ares, M. A. Velbel

Theme 7: Near the Well and Beyond: Petrophysics, Rock Physics, and Hydraulic Fractures

Room 213 A/B

Chair: *S. Chopra and G. Bozkurt*

- 1:15 **Introductory Remarks**
- 1:20 **Estimation Model of Permeability for Tight Sandstone Based on NMR T2 Centralized Distribution Method:** C. Gang, F. Yiren, C. Gang
- 1:40 **A New Method for Determining Paleocurrent Direction Using Imaging Log:** P. Zhang, J. Sun
- 2:00 **Experimental Investigation on the Effect of Wettability on Rock-Electricity Response in Sandstone Reservoirs:** Y. Han, C. Zhou, C. Li
- 2:20 **Rock Physics Analysis and 3-D Seismic Interpretation: Examples From the Mannville Deep-Basin Alberta:** C. Coulombe
- 2:40 **Inference of Organic Carbon Content of Shale From Zoeppritz PP-AVO Inversion: Case Study of Avalon Shale, Delaware Basin:** U. Lim, N. Kabir, R. Gibson
- 3:00 **Break**
- 3:10 **A New Workflow to Upscale and Propagate Saturation-Dependent Petrophysical Properties From Wireline Logs to 3-D Geocellular Models:** A. A. Curtis, E. Eslinger, S. Nookala
- 3:30 **Study of the Sand Dunes in the Early Jurassic Nugget Formation in the Moxa Arch of Wyoming Using Seismic Attributes and Petrophysical Modeling:** D. Agrawal, S. Verma, S. Mallick
- 3:50 **Hydraulic Fracture Monitoring Using a Downhole Sliding Array: An Innovative Single-Well Solution:** J. Le Calvez, N. Fundytus, A. Martinez
- 4:10 **Mapping Rock-Property Changes and Fluid Migration During Hydraulic Fracturing Using FWI of Microseismic Data:** J. Behura
- 4:30 **Paleokarst Reservoir Seismic Facies Classification Using Frequency Spectral Decomposition, Machine Learning and Electrofacies Constrained Approach:** F. Tian, Q. Di, Z. Wang, S. Li, Y. Lv, X. Shan, C. Shen, B. Guan, X. Liu, X. Wang

* Denotes presenter is other than first author

AAPG Events App



App Sponsored by:



أرامكو السعودية
saudi aramco



Download the AAPG Events App!
Available for both iOS and Android devices, the AAPG Events App allows you access to all the convention information and details in the palm of your hand. Download for free today!



ACE.AAPG.org

PRESENTER CROSS REFERENCE

A

Presenter	Day	am/pm	Time/Booth	Location	Session Title
Abegunrin, Ayobami	Mon.	pm	P90	Exhibit Hall	Theme 4: Global Perspectives on Extensional Deformation
Aboaba, Olanrewaju	Mon.	am	10:50	Room 213 A/B	Theme 7: Integration of Geology and Geophysics
Achang, Mercy	Tue.	am	P92	Exhibit Hall	Theme 5: Unconventional Reservoir Technology
Adeboye, Oyeleye	Wed.	am	10:30	Room 214 D	Theme 3: From Pores to Production: Unraveling Fluid Dynamics on Their Journey to the Surface
Agrawal, Dhruv	Wed.	pm	3:30	Room 213 A/B	Theme 7: Near the Well and Beyond: Petrophysics, Rock Physics, and Hydraulic Fractures
Agrawal, Vikas	Tue.	pm	P86	Exhibit Hall	Theme 5: Unconventional Reservoir Characterization I
Akintomide, Akinbobola	Tue.	am	P50	Exhibit Hall	Theme 4: Special Session on Salt Tectonics in Memory of Martin Jackson III
Al Ibrahim, Mustafa	Tue.	am	P100	Exhibit Hall	Theme 8: New Applications of Machine Learning to Subsurface Science
Al Najjar, Faisal	Tue.	am	P29	Exhibit Hall	Theme 3: Biomarker Applications in Petroleum Systems Analysis
Al-Atwah, Ibrahim	Tue.	am	P31	Exhibit Hall	Theme 3: Biomarker Applications in Petroleum Systems Analysis
Albader, Ahmad	Tue.	am	P5	Exhibit Hall	Theme 2: Carbonates: Fractures and Karst
Albasher, Ziyad	Tue.	am	10:30	Room 214 B/C	Theme 4: Compressional Environments: Trap to Basin
Alcalde, Rene	Tue.	am	11:30	Room 214 A	Theme 8: Multi-Disciplinary Integration for Subsurface Efforts in the Age of Big Data
Aldrich, Jeff	Tue.	pm	1:20	Room 213 A/B	The Big Crew Change: Passing the Baton and Challenges Awaiting Mid-Career Geoscientists
Aliyuda, Kachalla	Mon.	pm	P101	Exhibit Hall	Theme 1: Reservoir Quality and Rock Property Trends
Allevato, Andrew	Tue.	pm	P5	Exhibit Hall	Theme 7: Geophysics: Beyond Seismic Methods
Al-Madhachi, Layth	Mon.	pm	P89	Exhibit Hall	Theme 4: Global Perspectives on Extensional Deformation
Alshammari, Bassam	Mon.	am	P13	Exhibit Hall	AAPG Student Research Poster Session I
Alzayer, Yaser	Wed.	am	10:50	Room 214 B/C	Theme 4: Modeling of Structural and Geomechanical Processes
Ambrose, William	Mon.	am	9:05	Room 214 A	Theme 9: Planetary Geology and Energy Frontiers
Amonpantang, Phinphorn	Tue.	pm	P52	Exhibit Hall	Theme 4: Modeling of Structural and Geomechanical Processes
Amthor, Joachim	Tue.	pm	1:20	Room 217 D	Theme 2: Microbial Carbonates: Modern and Ancient Analogs for Pre-salt Deposits
An, Xiaoxuan	Tue.	am	P88	Exhibit Hall	Theme 5: Unconventional Reservoir Technology
Anson Sanchez, Marta	Mon.	am	11:30	Room 217 B/C	Theme 5: Advances in Unconventional Reservoir Characterization I: The Rocks
Apango, Fernando	Mon.	am	P7	Exhibit Hall	AAPG Student Research Poster Session I
Arasanipalai, Sriram	Tue.	am	11:10	Room 214 A	Theme 8: Multi-Disciplinary Integration for Subsurface Efforts in the Age of Big Data
Arce Perez, Luis	Mon.	pm	P41	Exhibit Hall	Theme 1: Circum-Gulf of Mexico Clastic Systems
Arens, Shiva-Nandan	Tue.	pm	P91	Exhibit Hall	Theme 5: Unconventional Reservoir Characterization I
Ares, Brian	Wed.	pm	4:30	Room 214 A	Theme 1: Diagenesis and Rock Property Trends in Siliciclastics
Arora, Aman	Wed.	am	8:45	Room 214 A	Theme 2: Carbonate Rock Properties and Reservoir Performance Prediction
Aubry, Marie-Pierre	Wed.	pm	1:20	Room 217 D	Theme 1: Innovation and Technology in Biostratigraphy for Challenging Times
Austermann, Gregor	Tue.	pm	P99	Exhibit Hall	Theme 5: Unconventional Reservoir Characterization II
Avery, Aaron	Wed.	pm	4:30	Room 217 D	Theme 1: Innovation and Technology in Biostratigraphy for Challenging Times
Avila, Jessica	Tue.	pm	P54	Exhibit Hall	Theme 4: Modeling of Structural and Geomechanical Processes
Ayodele, Irewole	Wed.	am	P33	Exhibit Hall	Theme 1: New Advances in Mature Basins
Bagherian, Ben	Wed.	pm	4:30	Room 214 D	Theme 8: The Digital Transformation in the Geosciences
Bailey, Claire	Wed.	pm	3:30	Room 214 A	Theme 1: Diagenesis and Rock Property Trends in Siliciclastics
Bailey, Phillip	Wed.	am	P64	Exhibit Hall	AAPG Student Research Poster Session II
Baillie, Peter	Tue.	am	8:05	Room 214 B/C	Theme 4: Compressional Environments: Trap to Basin
Banerjee, Subho	Wed.	pm	2:20	Room 214 B/C	Theme 4: Characterizing Brittle Deformation and Its Impact on Reservoirs
Bank, Gregory	Tue.	pm	P48	Exhibit Hall	Theme 4: Structure and Geomechanics of Unconventional Plays
Bann, Kerrie	Wed.	am	P49	Exhibit Hall	Theme 1: Innovation and Technology in Biostratigraphy for Challenging Times
Barclay, Aislyn	Mon.	pm	P42	Exhibit Hall	Theme 1: Circum-Gulf of Mexico Clastic Systems

B

PRESENTER CROSS REFERENCE

Bardol, Thomas	Mon.	pm	1:20	Room 217 D	Theme 5: Unconventional Plays: Appalachians, Rockies, and Midcontinent
Barnett, Andrew	Tue.	pm	P20	Exhibit Hall	Theme 2: Carbonates: Depositional Models II
Barnola, Anne-Sophie	Mon.	am	8:05	Room 213 A/B	Theme 7: Integration of Geology and Geophysics
Barrett, Bonita	Mon.	am	P51	Exhibit Hall	Theme 1: Interaction Between Sedimentation and Tectonics I
Barros, Pablo	Tue.	am	P40	Exhibit Hall	Theme 4: Special Session on Salt Tectonics in Memory of Martin Jackson II
Bartnik, Samantha	Tue.	pm	P77	Exhibit Hall	Theme 1: Source to Sink II
Basani, Riccardo	Tue.	pm	P81	Exhibit Hall	Theme 1: Source to Sink II
Bashore, William	Wed.	pm	1:40	Room 217 B/C	Theme 5: Advances in Unconventional Reservoir Characterization III: Predictive Technologies
Bauer, Matthew	Tue.	am	P103	Exhibit Hall	Theme 8: New Applications of Machine Learning to Subsurface Science
Bauman, Peter	Tue.	am	11:10	Room 217 D	Theme 2: Depositional Models for Carbonate and Evaporite Systems
Beaubouef, Richard	Mon.	am	10:30	Room 217 A	Theme 1: Deep-water Systems Architecture: From Controls to Characterization
Beck, William	Tue.	am	P42	Exhibit Hall	Theme 4: Special Session on Salt Tectonics in Memory of Martin Jackson II
Becker, Mauro	Mon.	am	P91	Exhibit Hall	Theme 5: Permian Basin Unconventionals
Bedle, Heather	Tue.	am	P101	Exhibit Hall	Theme 8: New Applications of Machine Learning to Subsurface Science
Beelen, Daan	Tue.	am	P77	Exhibit Hall	Theme 1: Deep-water Systems: Currents and Resulting Fine(r)-grained Deposits
Beelen, Daan	Wed.	am	P82	Exhibit Hall	SEPM Student Research Poster Session II
Beggs, John	Mon.	pm	P100	Exhibit Hall	Theme 8: Multi-Disciplinary Integration for Subsurface Efforts in the Age of Big Data
Behura, Jyoti	Mon.	am	9:05	Room 217 B/C	Theme 5: Advances in Unconventional Reservoir Characterization I: The Rocks
Behura, Jyoti	Wed.	pm	4:10	Room 213 A/B	Theme 7: Near the Well and Beyond: Petrophysics, Rock Physics, and Hydraulic Fractures
Belcher, Keri	Tue.	pm	4:25	Room 214 A	Theme 1: Paralic and Shallow Marine Systems: Process Variability and Impact on Reservoir Distribution and Architecture
Bell, Daniel	Mon.	am	P9	Exhibit Hall	AAPG Student Research Poster Session I
Bentley, Samuel	Tue.	am	8:45	Hemisfair Ballroom I	SEPM Research Symposium I: A Look Into the Future of Energy and Sustainability Using the Sedimentary Record
Berg, Sam	Mon.	pm	P34	Exhibit Hall	Theme 7: Integration of Geology and Geophysics
Bergmann, Kristin	Tue.	am	8:05	Hemisfair Ballroom I	SEPM Research Symposium I: A Look Into the Future of Energy and Sustainability Using the Sedimentary Record
Bergmann, Kristin	Tue.	pm	3:25	Room 217 D	Theme 2: Microbial Carbonates: Modern and Ancient Analogs for Pre-salt Deposits
Betzler, Christian	Tue.	am	11:30	Room 217 D	Theme 2: Depositional Models for Carbonate and Evaporite Systems
Bhatia, Mukul	Tue.	pm	2:00	Room 217 B/C	Theme 5: Advances in Unconventional Reservoir Characterization II: From Kerogen to Producing Petroleum
Bhatnagar, Paritosh	Tue.	pm	P2	Exhibit Hall	Theme 7: Geophysics: Beyond Seismic Methods
Bhattacharya, Janok	Mon.	am	10:30	Room 217 B/C	Theme 5: Advances in Unconventional Reservoir Characterization I: The Rocks
Biddle, Sara	Mon.	am	P24	Exhibit Hall	SEPM Student Research Poster Session I
Bingham-Koslowski, Nikole	Mon.	pm	P25	Exhibit Hall	Theme 9: New Global Exploration and Play Concepts
Birchall, Thomas	Tue.	am	11:10	Room 214 D	Theme 3: Hydrocarbon Migration and Charge Risk Assessment
Birdwell, Justin	Mon.	pm	P75	Exhibit Hall	Theme 3: Source Rock Depositional Environments
Birdwell, Justin	Wed.	am	P93	Exhibit Hall	Theme 8: Application of Machine Learning to Imaging
Bjerstedt, Thomas	Tue.	pm	P70	Exhibit Hall	Theme 1: Source to Sink I
Blood, David	Mon.	pm	4:05	Room 217 D	Theme 5: Unconventional Plays: Appalachians, Rockies, and Midcontinent
Blood, David	Tue.	pm	P93	Exhibit Hall	Theme 5: Unconventional Reservoir Characterization II
Bloxson, Julie	Wed.	am	P94	Exhibit Hall	Theme 5: Unconventional Plays: Appalachians, Rockies, and Midcontinent
Bo, Wang	Tue.	am	P87	Exhibit Hall	Theme 5: Unconventional Reservoir Technology
Bode-Omoleye, Ibukunoluwa	Wed.	am	10:10	Room 214 A	Theme 2: Carbonate Rock Properties and Reservoir Performance Prediction

Bord, David	Wed.	am	P44	Exhibit Hall	Theme 1: Innovation and Technology in Biostratigraphy for Challenging Times
Borges Gomes, Joao Paulo	Mon.	am	P39	Exhibit Hall	Theme 2: Carbonate Mixed Systems
Boyd, Ron	Tue.	pm	1:40	Room 214 A	Theme 1: Paralic and Shallow Marine Systems: Process Variability and Impact on Reservoir Distribution and Architecture
Brazell, Corey	Tue.	am	P22	Exhibit Hall	Theme 3: Biomarker Applications in Petroleum Systems Analysis
Breithaupt, Charles	Mon.	am	10:50	Hemisfair Ballroom I	Theme 2: Characterizing Fracture and Karst Porosity and Permeability
Brewer, Christopher	Tue.	pm	P63	Exhibit Hall	Theme 1: Source to Sink I
Brower, Spencer	Tue.	pm	P98	Exhibit Hall	Theme 5: Unconventional Reservoir Characterization II
Brown, Alton	Tue.	pm	P88	Exhibit Hall	Theme 5: Unconventional Reservoir Characterization I
Brown, Andrew	Mon.	am	P92	Exhibit Hall	Theme 5: Permian Basin Unconventionals
Brown, Christopher	Mon.	pm	P18	Exhibit Hall	Theme 9: New Global Exploration and Play Concepts
Browning, David	Wed.	am	P91	Exhibit Hall	Theme 8: Application of Machine Learning to Imaging
Browning, Emily	Wed.	pm	2:00	Room 217 D	Theme 1: Innovation and Technology in Biostratigraphy for Challenging Times
Brudzinski, Michael	Mon.	pm	2:20	Room 213 A/B	Theme 6: Induced Seismicity and Water Management
Bryers, Orrin	Mon.	pm	2:20	Room 214 D	Theme 2: Linked Systems of the Cretaceous Gulf of Mexico
Brzostowski, Matthew	Mon.	am	8:25	Room 214 A	Theme 9: Planetary Geology and Energy Frontiers
Bugge, Aina	Wed.	pm	2:40	Room 214 D	Theme 8: The Digital Transformation in the Geosciences
Bunge, Eric	Mon.	am	8:25	Hemisfair Ballroom I	Theme 2: Characterizing Fracture and Karst Porosity and Permeability
Buono, Antonio	Wed.	am	10:50	Room 214 A	Theme 2: Carbonate Rock Properties and Reservoir Performance Prediction
Burberry, Caroline	Tue.	pm	P55	Exhibit Hall	Theme 4: Modeling of Structural and Geomechanical Processes
Burdick, Donald	Wed.	pm	2:00	Hemisfair Ballroom I	Theme 10: Financing
Burgess, Peter	Tue.	am	8:45	Room 217 A	Theme 1: Source to Sink
Burnham, Alan	Sun.	pm	2:20	Room 217 D	Step Changes in Petroleum Geology: Historical Challenges and Technological Breakthroughs
Busch, James	Tue.	pm	P17	Exhibit Hall	Theme 2: Carbonates: Depositional Models II
Cai, Jun	Wed.	am	P69	Exhibit Hall	AAPG Student Research Poster Session II
Callahan, Owen	Mon.	pm	P102	Exhibit Hall	Theme 6: Carbon Storage
Cantine, Marjorie	Tue.	pm	3:45	Room 217 D	Theme 2: Microbial Carbonates: Modern and Ancient Analogs for Pre-salt Deposits
Cardenas, Benjamin	Wed.	am	10:30	Room 217 D	Theme 1: Aeolian System Dynamics: What Have We Learned in the Last 50 Years?
Carlock, Erin	Tue.	am	P36	Exhibit Hall	Theme 4: Special Session on Salt Tectonics in Memory of Martin Jackson II
Carlson, Douglas	Sun.	am	11:40	Room 217 D	Step Changes in Petroleum Geology: Historical Challenges and Technological Breakthroughs
Carlson, Douglas	Tue.	pm	4:00	Room 213 A/B	DEG Special Session: Environmental Impact and Sustainability
Cavallerano, Edward	Wed.	am	9:05	Room 217 D	Theme 1: Aeolian System Dynamics: What Have We Learned in the Last 50 Years?
Cebers-Korkmaz, Jennifer	Tue.	am	P48	Exhibit Hall	Theme 4: Special Session on Salt Tectonics in Memory of Martin Jackson III
Chaderton, Nysha	Tue.	pm	1:20	Room 213 A/B	The Big Crew Change: Passing the Baton and Challenges Awaiting Mid-Career Geoscientists
Chao, Jiun-Chi	Wed.	am	P26	Exhibit Hall	Theme 3: Hydrocarbon Migration and Charge Risk Assessment
Charlftis, Dimitrios	Wed.	pm	1:20	Room 214 A	Theme 1: Diagenesis and Rock Property Trends in Siliciclastics
Chatellier, Jean-Yves	Tue.	am	P90	Exhibit Hall	Theme 5: Unconventional Reservoir Technology
Chatellier, Jean-Yves	Wed.	pm	2:00	Room 217 B/C	Theme 5: Advances in Unconventional Reservoir Characterization III: Predictive Technologies
Chauveau, Benoit	Tue.	pm	P82	Exhibit Hall	Theme 1: Source to Sink II
Chen, Guohui	Mon.	am	P48	Exhibit Hall	Theme 5: Evolution of the Organic and Inorganic Matrix
Chen, Hehe	Mon.	am	P76	Exhibit Hall	Theme 1: Continental Depositional Environments: Reservoir Prediction From Multiple Scale Analysis
Chen, Hehe	Tue.	pm	P69	Exhibit Hall	Theme 1: Source to Sink I
Chen, Si	Mon.	pm	P51	Exhibit Hall	Theme 1: Paralic and Shallow Marine Systems I: Process Variability and Impact on Reservoir Distribution and Architecture

PRESENTER CROSS REFERENCE

Chidsey, Thomas	Wed.	pm	3:50	Room 217 A	Theme 9: New Global Exploration and Play Concepts
Chima, Kelvin	Mon.	am	P60	Exhibit Hall	Theme 1: Interaction Between Sedimentation and Tectonics II
Chopra, Satinder	Mon.	pm	P31	Exhibit Hall	Theme 7: Integration of Geology and Geophysics
Chowdhury, Khaled	Wed.	am	P85	Exhibit Hall	SEPM Student Research Poster Session II
Clark, Julian	Tue.	am	10:30	Room 217 A	Theme 1: Source to Sink
Clark, Karl	Tue.	pm	P51	Exhibit Hall	Theme 4: Modeling of Structural and Geomechanical Processes
Clark, Kendra	Wed.	am	P45	Exhibit Hall	Theme 1: Innovation and Technology in Biostratigraphy for Challenging Times
Clift, Peter	Tue.	am	11:30	Room 217 A	Theme 1: Source to Sink
Collier, Clark	Tue.	pm	P15	Exhibit Hall	Theme 2: Carbonates: Permian Basin
Colombera, Luca	Mon.	am	P72	Exhibit Hall	Theme 1: Continental Depositional Environments: Reservoir Prediction From Multiple Scale Analysis
Colombera, Luca	Mon.	pm	P50	Exhibit Hall	Theme 1: Paralic and Shallow Marine Systems I: Process Variability and Impact on Reservoir Distribution and Architecture
Conte, Roy	Wed.	am	11:30	Room 217 B/C	Theme 5: Eagle Ford and Austin Chalk Unconventional Plays
Cook, Douglas	Mon.	am	10:10	Room 214 A	Theme 9: Planetary Geology and Energy Frontiers
Cooke, Andy	Mon.	am	P86	Exhibit Hall	Theme 4: Characterizing Brittle Deformation and Its Impact on Reservoirs
Core, Elson	Tue.	pm	P23	Exhibit Hall	Theme 2: Carbonates: Depositional Models II
Cornick, Paul	Wed.	pm	2:40	Room 217 D	Theme 1: Innovation and Technology in Biostratigraphy for Challenging Times
Cornu, Tristan	Tue.	pm	4:05	Room 214 D	Theme 3: Integrated Workflows in Petroleum Systems Modeling
Correa, Rodrigo	Tue.	am	P9	Exhibit Hall	Theme 2: Carbonates: Fractures and Karst
Cosgrove, Grace	Mon.	pm	P57	Exhibit Hall	Theme 1: Paralic and Shallow Marine Systems II: Process Variability and Impact on Reservoir Distribution and Architecture
Cossey, Stephen	Tue.	am	P70	Exhibit Hall	Theme 1: Deep-water Systems: Currents and Resulting Fine(r)-grained Deposits
Cossey, Stephen	Wed.	am	P34	Exhibit Hall	Theme 1: New Advances in Mature Basins
Coulombe, Craig	Wed.	pm	2:20	Room 213 A/B	Theme 7: Near the Well and Beyond: Petrophysics, Rock Physics, and Hydraulic Fractures
Couples, Gary	Mon.	am	10:50	Room 217 B/C	Theme 5: Advances in Unconventional Reservoir Characterization I: The Rocks
Couples, Gary	Wed.	am	8:05	Room 214 B/C	Theme 4: Modeling of Structural and Geomechanical Processes
Covault, Jacob	Mon.	am	8:45	Room 217 A	Theme 1: Deep-water Systems Architecture: From Controls to Characterization
Covault, Jacob	Mon.	am	P66	Exhibit Hall	Theme 1: Interaction Between Sedimentation and Tectonics II
Cox, Denise	Tue.	pm	1:20	Room 213 A/B	The Big Crew Change: Passing the Baton and Challenges Awaiting Mid-Career Geoscientists
Crisostomo Figueroa, A.	Mon.	am	P2	Exhibit Hall	AAPG Student Research Poster Session I
Crombez, Vincent	Mon.	am	9:05	Room 214 D	Theme 3: Geochemistry Applications in Petroleum Systems Characterization
Crombez, Vincent	Tue.	pm	P8	Exhibit Hall	Theme 7: Geophysics: Beyond Seismic Methods
Cronin, Bryan	Mon.	am	9:05	Room 217 A	Theme 1: Deep-water Systems Architecture: From Controls to Characterization
Cui, Cecilia	Wed.	am	10:30	Hemisfair Ballroom I	Theme 10: Deals and Investment Decisions
Cumberpatch, Zoe	Mon.	am	P31	Exhibit Hall	Theme 4: Special Session on Salt Tectonics in Memory of Martin Jackson I
Cumming, Lydia	Tue.	am	8:05	Room 213 A/B	Theme 6: Sustainability and Carbon
Cumming, Lydia	Wed.	am	P1	Exhibit Hall	Theme 6: Sustainability and Carbon
Cunningham, Celeste	Mon.	pm	P76	Exhibit Hall	Theme 3: Source Rock Depositional Environments
Curkan, Jordan	Mon.	am	P12	Exhibit Hall	AAPG Student Research Poster Session I
Curtis, A.	Wed.	pm	3:10	Room 213 A/B	Theme 7: Near the Well and Beyond: Petrophysics, Rock Physics, and Hydraulic Fractures
Curtiss, David	Tue.	pm	1:20	Room 213 A/B	The Big Crew Change: Passing the Baton and Challenges Awaiting Mid-Career Geoscientists
Curtis, John	Mon.	am	8:25	Room 214 D	Theme 3: Geochemistry Applications in Petroleum Systems Characterization
Cutright, Bruce	Mon.	am	8:45	Room 214 A	Theme 9: Planetary Geology and Energy Frontiers

D

Dada, Olamide	Tue.	am	10:50	Room 214 A	Theme 8: Multi-Disciplinary Integration for Subsurface Efforts in the Age of Big Data
Dafoe, Lynn	Wed.	am	10:10	Room 217 A	Theme 1: Applied Ichology: In Honor of George Pemberton
Damico, James	Mon.	pm	P98	Exhibit Hall	Theme 6: Carbon Storage
Damuth, John	Tue.	am	P61	Exhibit Hall	Theme 1: Deep-water Sedimentology
Daniels, Benjamin	Tue.	am	P62	Exhibit Hall	Theme 1: Deep-water Sedimentology
Darrah, Thomas	Mon.	am	P88	Exhibit Hall	Theme 5: Permian Basin Unconventionals
Darrah, Thomas	Mon.	pm	4:25	Room 217 D	Theme 5: Unconventional Plays: Appalachians, Rockies, and Midcontinent
Dashtgard, Shahin	Wed.	am	8:25	Room 217 A	Theme 1: Applied Ichology: In Honor of George Pemberton
Davies, Bryn	Tue.	am	10:50	Room 217 B/C	Theme 5: Permian Basin Unconventionals
Davies, Russell	Mon.	am	P82	Exhibit Hall	Theme 4: Characterizing Brittle Deformation and Its Impact on Reservoirs
Del Moro, Yoryeny	Tue.	am	9:05	Room 217 B/C	Theme 5: Permian Basin Unconventionals
Demchuk, Thomas	Tue.	am	9:05	Room 214 A	Theme 8: Multi-Disciplinary Integration for Subsurface Efforts in the Age of Big Data
Deng, Hang	Tue.	am	P67	Exhibit Hall	Theme 1: Deep-water Sedimentology
Deng, Jack	Mon.	pm	P3	Exhibit Hall	Theme 5: Analytical Techniques for Unconventional Reservoirs
Denison, Christopher	Tue.	pm	1:20	Room 214 A	Theme 1: Paralic and Shallow Marine Systems: Process Variability and Impact on Reservoir Distribution and Architecture
DeVito, Steve	Wed.	pm	3:10	Room 217 A	Theme 9: New Global Exploration and Play Concepts
Díaz, Nakarí	Mon.	pm	P49	Exhibit Hall	Theme 1: Paralic and Shallow Marine Systems I: Process Variability and Impact on Reservoir Distribution and Architecture
Dickson, William	Mon.	pm	P65	Exhibit Hall	Theme 3: Source Rock Depositional Environments
Dolan, Michael	Wed.	pm	4:10	Room 217 B/C	Theme 5: Advances in Unconventional Reservoir Characterization III: Predictive Technologies
Dommissse, Robin	Tue.	pm	P16	Exhibit Hall	Theme 2: Carbonates: Permian Basin
Dong, Li	Tue.	pm	P1	Exhibit Hall	Theme 7: Geophysics: Beyond Seismic Methods
Dong, Rencheng	Wed.	am	10:10	Room 214 D	Theme 3: From Pores to Production: Unraveling Fluid Dynamics on Their Journey to the Surface
Donnelly, Sara	Tue.	am	P71	Exhibit Hall	Theme 1: Deep-water Systems: Currents and Resulting Fine(r)-grained Deposits
Doolan, Colin	Mon.	pm	P77	Exhibit Hall	Theme 3: Source Rock Depositional Environments
Dooley, Tim	Mon.	am	P28	Exhibit Hall	Theme 4: Special Session on Salt Tectonics in Memory of Martin Jackson I
Dooley, Tim	Tue.	am	P35	Exhibit Hall	Theme 4: Special Session on Salt Tectonics in Memory of Martin Jackson II
Dou, Luxing	Mon.	am	P77	Exhibit Hall	Theme 1: Continental Depositional Environments: Reservoir Prediction From Multiple Scale Analysis
Drake, Ronald	Wed.	am	P99	Exhibit Hall	Theme 5: Unconventional Plays: Appalachians, Rockies, and Midcontinent
Draper, Cody	Tue.	pm	P12	Exhibit Hall	Theme 2: Carbonates: Permian Basin
Draper, Hanah	Tue.	am	P38	Exhibit Hall	Theme 4: Special Session on Salt Tectonics in Memory of Martin Jackson II
Droxler, Andre	Tue.	pm	4:25	Room 217 D	Theme 2: Microbial Carbonates: Modern and Ancient Analogs for Pre-salt Deposits
Duarte, David	Tue.	pm	P37	Exhibit Hall	Theme 8: The Digital Transformation in the Geosciences
Duarte, David	Tue.	pm	P38	Exhibit Hall	Theme 4: Structure and Geomechanics of Unconventional Plays
Duarte, Edward	Wed.	am	P63	Exhibit Hall	AAPG Student Research Poster Session II
Duff, Patrick	Mon.	am	P8	Exhibit Hall	AAPG Student Research Poster Session I
Duffy, Oliver	Mon.	pm	1:20	Room 214 B/C	Theme 4: Special Session on Salt Tectonics in Memory of Martin Jackson I
Dunham, John	Wed.	am	11:10	Room 214 A	Theme 2: Carbonate Rock Properties and Reservoir Performance Prediction
Dunkel, Michael	Mon.	pm	4:45	Room 213 A/B	Theme 6: Induced Seismicity and Water Management
Dura, Tina	Tue.	am	10:10	Hemisfair Ballroom I	SEPM Research Symposium I: A Look Into the Future of Energy and Sustainability Using the Sedimentary Record
Duran, Diana	Tue.	am	8:45	Room 214 A	Theme 8: Multi-Disciplinary Integration for Subsurface Efforts in the Age of Big Data

PRESENTER CROSS REFERENCE

E	Duran, Diana	Tue.	pm	1:20	Room 213 A/B	The Big Crew Change: Passing the Baton and Challenges Awaiting Mid-Career Geoscientists
	Durkin, Paul	Mon.	am	P78	Exhibit Hall	Theme 1: Continental Depositional Environments: Reservoir Prediction From Multiple Scale Analysis
	Duval, Bernard	Wed.	am	8:05	Hemisfair Ballroom I	Theme 10: Deals and Investment Decisions
	Dvoretzky, Rachel	Mon.	am	P46	Exhibit Hall	Theme 2: Carbonate Mixed Systems
	Eberli, Gregor	Tue.	pm	4:45	Room 217 D	Theme 2: Microbial Carbonates: Modern and Ancient Analogs for Pre-salt Deposits
	Eckert, Andreas	Tue.	am	P65	Exhibit Hall	Theme 1: Deep-water Sedimentology
	Eckert, Andreas	Tue.	pm	P49	Exhibit Hall	Theme 4: Modeling of Structural and Geomechanical Processes
	Egorov, Vsevolod	Wed.	am	P53	Exhibit Hall	Theme 4: Global Perspectives on Compressional Deformation
	Eichelberger, Nathan	Mon.	am	9:05	Room 214 B/C	Theme 4: Global Studies of Extensional and Passive Margins
	Eichhubl, Peter	Wed.	pm	1:20	Room 214 B/C	Theme 4: Characterizing Brittle Deformation and Its Impact on Reservoirs
Elderbak, Khalifa	Wed.	am	P40	Exhibit Hall	Theme 1: Innovation and Technology in Biostratigraphy for Challenging Times	
Eliassen, Gauti Trygvason	Mon.	am	P5	Exhibit Hall	AAPG Student Research Poster Session I	
Eljalafi, Abdulah	Mon.	pm	3:45	Room 214 D	Theme 2: Linked Systems of the Cretaceous Gulf of Mexico	
Engle, Mark	Tue.	am	P84	Exhibit Hall	Theme 6: Induced Seismicity and Water Management	
Englert, Rebecca	Tue.	am	P56	Exhibit Hall	Theme 1: Deep-water Sedimentology	
Englert, Rebecca	Wed.	pm	4:10	Room 217 D	Theme 1: Innovation and Technology in Biostratigraphy for Challenging Times	
Eslinger, Eric	Mon.	am	10:50	Room 217 D	Theme 8: New Applications of Machine Learning to Subsurface Science	
Evans, James	Wed.	am	9:05	Room 214 B/C	Theme 4: Modeling of Structural and Geomechanical Processes	
Eymold, William	Mon.	am	8:25	Room 217 B/C	Theme 5: Advances in Unconventional Reservoir Characterization I: The Rocks	
F	Fainstein, Roberto	Mon.	pm	P16	Exhibit Hall	Theme 9: New Global Exploration and Play Concepts
	Fairhurst, William	Mon.	pm	3:25	Hemisfair Ballroom I	Discovery Thinking Forum – "Pioneering Discoveries Driving Prosperity"
	Faleide, Thea Sveva	Mon.	am	P53	Exhibit Hall	Theme 1: Interaction Between Sedimentation and Tectonics I
	Falivene, Oriol	Wed.	am	11:10	Room 217 D	Theme 1: Aeolian System Dynamics: What Have We Learned in the Last 50 Years?
	Falzone, Christian	Tue.	pm	P4	Exhibit Hall	Theme 7: Geophysics: Beyond Seismic Methods
	Fan, Caiwei	Wed.	am	P27	Exhibit Hall	Theme 3: Hydrocarbon Migration and Charge Risk Assessment
	Farhana Hasnan, Hasnor	Mon.	pm	P30	Exhibit Hall	Theme 7: Integration of Geology and Geophysics
	Faroppa, James	Tue.	am	P107	Exhibit Hall	Theme 8: New Applications of Machine Learning to Subsurface Science
	Favorito, Daniel	Wed.	am	8:25	Room 214 B/C	Theme 4: Modeling of Structural and Geomechanical Processes
	Fearn, Mary	Tue.	pm	P101	Exhibit Hall	Theme 5: Unconventional Reservoir Characterization II
Fender, Thomas	Tue.	pm	P41	Exhibit Hall	Theme 4: Structure and Geomechanics of Unconventional Plays	
Ferguson, Ross	Mon.	pm	3:25	Room 217 A	Theme 1: Deep-water Process Stratigraphy	
Fernandez, Naiara	Tue.	am	P39	Exhibit Hall	Theme 4: Special Session on Salt Tectonics in Memory of Martin Jackson II	
Fernandez-Ibanez, Fermin	Mon.	am	10:10	Hemisfair Ballroom I	Theme 2: Characterizing Fracture and Karst Porosity and Permeability	
Ferreira, Rodrigo	Mon.	am	8:25	Room 217 D	Theme 8: New Applications of Machine Learning to Subsurface Science	
Ferrill, David	Mon.	am	P80	Exhibit Hall	Theme 4: Characterizing Brittle Deformation and Its Impact on Reservoirs	
Ferron, Curtis	Mon.	am	P26	Exhibit Hall	SEPM Student Research Poster Session I	
Ferry, Nicholas	Mon.	am	P50	Exhibit Hall	Theme 1: Interaction Between Sedimentation and Tectonics I	
Fiduk, Joseph	Mon.	pm	2:00	Room 214 B/C	Theme 4: Special Session on Salt Tectonics in Memory of Martin Jackson I	
Fielding, Laura	Tue.	pm	P75	Exhibit Hall	Theme 1: Source to Sink II	
Filho, Osvaldo	Tue.	am	P47	Exhibit Hall	Theme 4: Special Session on Salt Tectonics in Memory of Martin Jackson III	
Filina, Irina	Mon.	am	10:10	Room 214 B/C	Theme 4: Global Studies of Extensional and Passive Margins	
Fischer, Mark	Tue.	am	P37	Exhibit Hall	Theme 4: Special Session on Salt Tectonics in Memory of Martin Jackson II	

Flaig, Peter	Mon.	pm	P52	Exhibit Hall	Theme 1: Paralic and Shallow Marine Systems I: Process Variability and Impact on Reservoir Distribution and Architecture
Flinch, Joan	Tue.	pm	4:25	Room 214 B/C	Theme 4: Special Session on Salt Tectonics in Memory of Martin Jackson II
Folaranmi, Ayobami	Wed.	am	P95	Exhibit Hall	Theme 5: Unconventional Plays: Appalachians, Rockies, and Midcontinent
Foreman, Brady	Tue.	pm	1:45	Hemisfair Ballroom I	SEPM Research Symposium II: A Look Into the Future of Energy and Sustainability Using the Sedimentary Record
Forkner, Robert	Mon.	pm	1:20	Room 214 D	Theme 2: Linked Systems of the Cretaceous Gulf of Mexico
Fraino, Patricia	Wed.	am	P77	Exhibit Hall	SEPM Student Research Poster Session II
Freeman, Brett	Tue.	pm	4:45	Room 214 D	Theme 3: Integrated Workflows in Petroleum Systems Modeling
French, Katherine	Wed.	am	8:05	Room 214 D	Theme 3: From Pores to Production: Unraveling Fluid Dynamics on Their Journey to the Surface
Fritz, Richard	Wed.	pm	2:20	Hemisfair Ballroom I	Theme 10: Financing
Fu, Qilong	Tue.	am	P10	Exhibit Hall	Theme 2: Carbonates: Fractures and Karst
Fuhrmann, Arne	Mon.	am	P15	Exhibit Hall	AAPG Student Research Poster Session I
Fuhrmann, Arne	Mon.	am	P16	Exhibit Hall	SEPM Student Research Poster Session I
Fullarton, Lisa	Wed.	pm	3:30	Room 217 A	Theme 9: New Global Exploration and Play Concepts
Gai, Haifeng	Wed.	am	P25	Exhibit Hall	Theme 3: Hydrocarbon Migration and Charge Risk Assessment
Gaiani, Ilaria	Wed.	am	10:30	Room 217 B/C	Theme 5: Eagle Ford and Austin Chalk Unconventional Plays
Gale, Julia	Wed.	pm	1:40	Room 214 B/C	Theme 4: Characterizing Brittle Deformation and Its Impact on Reservoirs
Galindo, Pedro	Wed.	am	P52	Exhibit Hall	Theme 4: Global Perspectives on Compressional Deformation
Gamberi, Fabiano	Tue.	pm	2:20	Room 214 A	Theme 1: Paralic and Shallow Marine Systems: Process Variability and Impact on Reservoir Distribution and Architecture
Gan, Yuqian	Tue.	pm	P65	Exhibit Hall	Theme 1: Source to Sink I
Gang, Chen	Wed.	pm	1:20	Room 213 A/B	Theme 7: Near the Well and Beyond: Petrophysics, Rock Physics, and Hydraulic Fractures
Gannaway Dalton, C. Evelyn	Tue.	am	P51	Exhibit Hall	Theme 4: Special Session on Salt Tectonics in Memory of Martin Jackson III
Gao, Bei	Mon.	pm	P94	Exhibit Hall	Theme 8: Multi-Disciplinary Integration for Subsurface Efforts in the Age of Big Data
Garcia-Fresca, Beatriz	Wed.	am	8:25	Room 214 A	Theme 2: Carbonate Rock Properties and Reservoir Performance Prediction
Gartrell, Anthony	Mon.	am	P58	Exhibit Hall	Theme 1: Interaction Between Sedimentation and Tectonics I
Gartrell, Anthony	Mon.	am	P59	Exhibit Hall	Theme 1: Interaction Between Sedimentation and Tectonics II
Garza, Hector	Mon.	pm	P6	Exhibit Hall	Theme 5: Analytical Techniques for Unconventional Reservoirs
Gaswirth, Stephanie	Tue.	am	11:30	Room 217 B/C	Theme 5: Permian Basin Unconventionals
Ghani, Humaad	Tue.	am	11:10	Room 214 B/C	Theme 4: Compressional Environments: Trap to Basin
Gharib, Jamshid Jim	Mon.	pm	P21	Exhibit Hall	Theme 9: New Global Exploration and Play Concepts
Ghassal, Bandar	Mon.	pm	P72	Exhibit Hall	Theme 3: Source Rock Depositional Environments
Giacomone, Gabriel	Wed.	am	P38	Exhibit Hall	Theme 1: New Advances in Mature Basins
Giddens, Emma	Tue.	am	P21	Exhibit Hall	Theme 2: Carbonates: Depositional Models I
Gilbert, J. C.	Mon.	am	P22	Exhibit Hall	SEPM Student Research Poster Session I
Giles, Katherine	Tue.	am	P54	Exhibit Hall	Theme 4: Special Session on Salt Tectonics in Memory of Martin Jackson III
Giles, Katherine	Tue.	pm	1:20	Room 214 B/C	Theme 4: Special Session on Salt Tectonics in Memory of Martin Jackson II
Gillen, Michael	Tue.	am	P94	Exhibit Hall	Theme 5: Unconventional Reservoir Technology
Gingras, Murray	Wed.	am	8:05	Room 217 A	Theme 1: Applied Ichology: In Honor of George Pemberton
Girard, Jean-Pierre	Wed.	pm	3:10	Room 214 A	Theme 1: Diagenesis and Rock Property Trends in Siliciclastics
Godet, Alexis	Wed.	am	8:05	Room 217 B/C	Theme 5: Eagle Ford and Austin Chalk Unconventional Plays
Goldfarb, Eric	Mon.	pm	4:05	Room 213 A/B	Theme 6: Induced Seismicity and Water Management
Gomes, Igor	Tue.	am	P2	Exhibit Hall	Theme 2: Carbonates: Fractures and Karst
Gong, Chenglin	Tue.	pm	P74	Exhibit Hall	Theme 1: Source to Sink II
Gonzalez, Luis	Tue.	am	P12	Exhibit Hall	Theme 2: Carbonates: Depositional Models I
Gonzalez-Penagos, Felipe	Tue.	am	P27	Exhibit Hall	Theme 3: Biomarker Applications in Petroleum Systems Analysis
Gosses, Justin	Mon.	am	9:05	Room 217 D	Theme 8: New Applications of Machine Learning to Subsurface Science

PRESENTER CROSS REFERENCE

Goteti, Rajesh	Mon.	am	P37	Exhibit Hall	Theme 4: Special Session on Salt Tectonics in Memory of Martin Jackson I
Goudge, Timothy	Tue.	pm	1:35	Hemisfair Ballroom I	SEPM Research Symposium II: A Look Into the Future of Energy and Sustainability Using the Sedimentary Record
Graham, Gavin	Tue.	am	P106	Exhibit Hall	Theme 8: New Applications of Machine Learning to Subsurface Science
Grant, James	Mon.	pm	P67	Exhibit Hall	Theme 3: Source Rock Depositional Environments
Green, Hunter	Tue.	pm	P10	Exhibit Hall	Theme 2: Carbonates: Permian Basin
Greene, James	Wed.	pm	4:30	Room 217 B/C	Theme 5: Advances in Unconventional Reservoir Characterization III: Predictive Technologies
Greenlee, Stephen M.	Mon.	pm	5:10	Hemisfair Ballroom I	Michel T. Halbouty Lecture
Gregersen, Laura	Wed.	pm	2:00	Room 217 A	Theme 9: New Global Exploration and Play Concepts
Grenader, Jessica	Wed.	pm	4:10	Room 217 A	Theme 9: New Global Exploration and Play Concepts
Griffith, Christine	Mon.	pm	4:45	Room 214 D	Theme 2: Linked Systems of the Cretaceous Gulf of Mexico
Griffith, Donald	Mon.	am	8:05	Room 217 D	Theme 8: New Applications of Machine Learning to Subsurface Science
Grigsby, Nate	Wed.	am	P31	Exhibit Hall	Theme 1: New Advances in Mature Basins
Gross, Evan	Mon.	am	P70	Exhibit Hall	Theme 1: Continental Depositional Environments: Reservoir Prediction From Multiple Scale Analysis
Gryger, Sean	Wed.	am	9:05	Hemisfair Ballroom I	Theme 10: Deals and Investment Decisions
Guedez, Maria	Mon.	pm	1:20	Hemisfair Ballroom I	Discovery Thinking Forum – "Pioneering Discoveries Driving Prosperity"
Guerra, Clairet	Tue.	am	10:50	Room 214 D	Theme 3: Hydrocarbon Migration and Charge Risk Assessment
Guerra, Clairet	Wed.	am	P62	Exhibit Hall	AAPG Student Research Poster Session II
Guichet, Xavier	Wed.	pm	2:00	Room 214 D	Theme 8: The Digital Transformation in the Geosciences
Gulley, Jason	Mon.	am	10:30	Hemisfair Ballroom I	Theme 2: Characterizing Fracture and Karst Porosity and Permeability
Guo, Jingyi	Mon.	pm	P28	Exhibit Hall	Theme 7: Integration of Geology and Geophysics
Guo, Li	Tue.	pm	P19	Exhibit Hall	Theme 2: Carbonates: Depositional Models II
Gupta, Harshit	Tue.	pm	P32	Exhibit Hall	Theme 8: The Digital Transformation in the Geosciences
Guzman, Jose	Mon.	pm	P43	Exhibit Hall	Theme 1: Circum-Gulf of Mexico Clastic Systems
Haagsma, Autumn	Tue.	am	9:05	Room 213 A/B	Theme 6: Sustainability and Carbon
Hackley, Paul	Tue.	pm	1:20	Room 217 B/C	Theme 5: Advances in Unconventional Reservoir Characterization II: From Kerogen to Producing Petroleum
Hackley, Paul	Wed.	am	10:50	Room 214 D	Theme 3: From Pores to Production: Unraveling Fluid Dynamics on Their Journey to the Surface
Haddad, Mahdi	Mon.	pm	2:00	Room 213 A/B	Theme 6: Induced Seismicity and Water Management
Haile, Beyene	Tue.	pm	P76	Exhibit Hall	Theme 1: Source to Sink II
Hajek, Elizabeth	Tue.	pm	1:30	Hemisfair Ballroom I	SEPM Research Symposium II: A Look Into the Future of Energy and Sustainability Using the Sedimentary Record
Hall, Craig	Mon.	am	8:45	Room 217 B/C	Theme 5: Advances in Unconventional Reservoir Characterization I: The Rocks
Hamilton, Jared	Tue.	pm	3:25	Room 217 A	Theme 10: Opportunity Valuation
Hamlyn, Rhys	Mon.	pm	P53	Exhibit Hall	Theme 1: Paralic and Shallow Marine Systems I: Process Variability and Impact on Reservoir Distribution and Architecture
Hammad, Nidaa	Mon.	pm	3:45	Room 213 A/B	Theme 6: Induced Seismicity and Water Management
Hampson, Gary	Mon.	pm	P44	Exhibit Hall	Theme 1: Paralic and Shallow Marine Systems I: Process Variability and Impact on Reservoir Distribution and Architecture
Han, Yuanjia	Mon.	pm	4:45	Room 217 D	Theme 5: Unconventional Plays: Appalachians, Rockies, and Midcontinent
Han, Yujiao	Wed.	pm	2:00	Room 213 A/B	Theme 7: Near the Well and Beyond: Petrophysics, Rock Physics, and Hydraulic Fractures
Harazim, Dario	Mon.	am	P47	Exhibit Hall	Theme 5: Evolution of the Organic and Inorganic Matrix
Harazim, Dario	Mon.	pm	P46	Exhibit Hall	Theme 1: Paralic and Shallow Marine Systems I: Process Variability and Impact on Reservoir Distribution and Architecture
Harrell, Ronald	Wed.	am	11:30	Hemisfair Ballroom I	Theme 10: Deals and Investment Decisions
Harrington, Jake	Tue.	am	10:10	Room 217 B/C	Theme 5: Permian Basin Unconventionals
Harris, Ashley	Mon.	am	P56	Exhibit Hall	Theme 1: Interaction Between Sedimentation and Tectonics I
Harris, Nicholas	Wed.	am	P87	Exhibit Hall	Theme 8: Application of Machine Learning to Imaging
Harris, Paul	Mon.	am	11:30	Hemisfair Ballroom I	Theme 2: Characterizing Fracture and Karst Porosity and Permeability

Harris, Paul	Tue.	am	9:05	Room 217 D	Theme 2: Depositional Models for Carbonate and Evaporite Systems
Harris, Simon	Wed.	am	11:30	Room 214 B/C	Theme 4: Modeling of Structural and Geomechanical Processes
Harrison, Robert	Wed.	am	P20	Exhibit Hall	Theme 5: International Unconventional Plays
Hart, Nicole	Mon.	am	11:10	Room 217 B/C	Theme 5: Advances in Unconventional Reservoir Characterization I: The Rocks
Hartz, David	Tue.	pm	2:20	Room 217 A	Theme 10: Opportunity Valuation
Hashim, Mohammed	Wed.	am	10:30	Room 214 A	Theme 2: Carbonate Rock Properties and Reservoir Performance Prediction
Hassaan, Muhammad	Mon.	pm	P87	Exhibit Hall	Theme 4: Global Perspectives on Extensional Deformation
Hathon, Eric	Wed.	am	8:25	Hemisfair Ballroom I	Theme 10: Deals and Investment Decisions
Hattori, Kelly	Mon.	pm	3:25	Room 214 D	Theme 2: Linked Systems of the Cretaceous Gulf of Mexico
Haughton, Peter	Mon.	pm	4:45	Room 217 A	Theme 1: Deep-water Process Stratigraphy
Hayes, Brad	Wed.	am	P17	Exhibit Hall	Theme 5: International Unconventional Plays
He, Zhiyong	Mon.	am	11:30	Room 214 D	Theme 3: Geochemistry Applications in Petroleum Systems Characterization
He, Zhiyong	Tue.	pm	3:45	Room 214 D	Theme 3: Integrated Workflows in Petroleum Systems Modeling
Healy, Rachel	Tue.	am	P59	Exhibit Hall	Theme 1: Deep-water Sedimentology
Hearon, Jane	Wed.	pm	1:40	Room 214 A	Theme 1: Diagenesis and Rock Property Trends in Siliciclastics
Heidari, Mahdi	Mon.	pm	P33	Exhibit Hall	Theme 7: Integration of Geology and Geophysics
Heijnen, Maarten	Mon.	pm	2:20	Room 217 A	Theme 1: Deep-water Process Stratigraphy
Hein, Frances	Sun.	pm	1:40	Room 217 D	Step Changes in Petroleum Geology: Historical Challenges and Technological Breakthroughs
Hemenway, Matthew	Tue.	pm	P14	Exhibit Hall	Theme 2: Carbonates: Permian Basin
Hennings, Peter	Mon.	pm	1:20	Room 213 A/B	Theme 6: Induced Seismicity and Water Management
Hennings, Peter	Tue.	am	P82	Exhibit Hall	Theme 6: Induced Seismicity and Water Management
Henriquel, Patrick	Tue.	am	P4	Exhibit Hall	Theme 2: Carbonates: Fractures and Karst
Henry, Delano	Tue.	am	P96	Exhibit Hall	Theme 5: Unconventional Reservoir Technology
Henry, Lindsey	Mon.	am	8:25	Room 217 A	Theme 1: Deep-water Systems Architecture: From Controls to Characterization
Hentz, Tucker	Tue.	pm	P9	Exhibit Hall	Theme 2: Carbonates: Permian Basin
Hermanrud, Christian	Tue.	pm	4:25	Room 214 D	Theme 3: Integrated Workflows in Petroleum Systems Modeling
Hern, Caroline	Wed.	am	8:25	Room 217 D	Theme 1: Aeolian System Dynamics: What Have We Learned in the Last 50 Years?
Hessler, Angela	Tue.	am	10:10	Room 217 A	Theme 1: Source to Sink
Hessler, Angela	Tue.	pm	1:25	Hemisfair Ballroom I	SEPM Research Symposium II: A Look Into the Future of Energy and Sustainability Using the Sedimentary Record
Heyn, Teunis	Tue.	pm	3:25	Room 214 B/C	Theme 4: Special Session on Salt Tectonics in Memory of Martin Jackson II
Hiduke, Mark	Wed.	pm	2:40	Hemisfair Ballroom I	Theme 10: Financing
Hill, Donald	Mon.	am	10:30	Room 214 A	Theme 9: Planetary Geology and Energy Frontiers
Hodgson, David	Mon.	am	P61	Exhibit Hall	Theme 1: Interaction Between Sedimentation and Tectonics II
Hohman, John	Mon.	am	P62	Exhibit Hall	Theme 1: Interaction Between Sedimentation and Tectonics II
Holbrook, John	Mon.	pm	1:40	Room 214 A	Theme 1: Fluvial and Deltaic Depositional Environments: Reservoir Characterization and Prediction From Multiple Scale Analysis
Holbrook, John	Tue.	pm	2:00	Hemisfair Ballroom I	SEPM Research Symposium II: A Look Into the Future of Energy and Sustainability Using the Sedimentary Record
Hollenbach, Andrew	Tue.	am	P3	Exhibit Hall	Theme 2: Carbonates: Fractures and Karst
Horne, Elizabeth	Tue.	am	10:50	Room 217 B/C	Theme 5: Permian Basin Unconventionals
Horne, Elizabeth	Tue.	am	P79	Exhibit Hall	Theme 6: Induced Seismicity and Water Management
Horton, Brian	Tue.	pm	P72	Exhibit Hall	Theme 1: Source to Sink II
Hou, Maoguo	Tue.	am	P23	Exhibit Hall	Theme 3: Biomarker Applications in Petroleum Systems Analysis
Houseknecht, David	Wed.	pm	2:20	Room 217 A	Theme 9: New Global Exploration and Play Concepts
Howell, Louis	Mon.	pm	P82	Exhibit Hall	Theme 4: Global Perspectives on Extensional Deformation
Howlett, Danielle	Mon.	am	P1	Exhibit Hall	AAPG Student Research Poster Session I
Hu, Qinhong	Tue.	pm	2:20	Room 217 B/C	Theme 5: Advances in Unconventional Reservoir Characterization II: From Kerogen to Producing Petroleum
Hu, Qinhong	Wed.	am	11:30	Room 214 D	Theme 3: From Pores to Production: Unraveling Fluid Dynamics on Their Journey to the Surface

PRESENTER CROSS REFERENCE

Huang, Xiaoxia Huang, YuLong Hubbard, Stephen	Mon.	am	P42	Exhibit Hall	Theme 2: Carbonate Mixed Systems
	Wed.	am	P13	Exhibit Hall	Theme 5: International Unconventional Plays
	Tue.	pm	1:55	Hemisfair Ballroom I	SEPM Research Symposium II: A Look Into the Future of Energy and Sustainability Using the Sedimentary Record
Hudec, Michael	Mon.	pm	3:25	Room 214 B/C	Theme 4: Special Session on Salt Tectonics in Memory of Martin Jackson I
Hughes, Amanda	Wed.	am	8:45	Room 214 B/C	Theme 4: Modeling of Structural and Geomechanical Processes
Husinec, Antun Ika, Novianti	Tue.	am	P11	Exhibit Hall	Theme 2: Carbonates: Depositional Models I
	Tue.	pm	1:20	Room 213 A/B	The Big Crew Change: Passing the Baton and Challenges Awaiting Mid-Career Geoscientists
Ikeda, Ken Inam, Rai Hamood	Wed.	am	P88	Exhibit Hall	Theme 8: Application of Machine Learning to Imaging
	Wed.	pm	4:10	Room 214 B/C	Theme 4: Characterizing Brittle Deformation and Its Impact on Reservoirs
Iwuoha, Sochi	Mon.	am	10:10	Room 217 B/C	Theme 5: Advances in Unconventional Reservoir Characterization I: The Rocks
Jacquemyn, Carl	Tue.	pm	2:20	Room 217 D	Theme 2: Microbial Carbonates: Modern and Ancient Analogs for Pre-salt Deposits
Jadoon, Ishtiaq Jagniecki, Elliot	Wed.	am	P54	Exhibit Hall	Theme 4: Global Perspectives on Compressional Deformation
	Tue.	pm	4:05	Room 217 D	Theme 2: Microbial Carbonates: Modern and Ancient Analogs for Pre-salt Deposits
Janson, Xavier	Mon.	pm	4:45	Room 217 B/C	Theme 2: Permian Basin Source to Sink Sedimentology and Stratigraphy
Janson, Xavier Jarvis, Ian	Tue.	am	8:25	Room 217 B/C	Theme 5: Permian Basin Unconventionals
	Wed.	pm	3:30	Room 217 D	Theme 1: Innovation and Technology in Biostratigraphy for Challenging Times
Jensen, Gavin Jian, Ren	Wed.	am	P9	Exhibit Hall	Theme 6: Sustainability and Carbon
	Tue.	pm	P59	Exhibit Hall	Theme 4: Modeling of Structural and Geomechanical Processes
Jiang, Jiajun	Tue.	am	P104	Exhibit Hall	Theme 8: New Applications of Machine Learning to Subsurface Science
Jo, Honggeun	Mon.	am	10:30	Room 217 D	Theme 8: New Applications of Machine Learning to Subsurface Science
	Wed.	pm	3:10	Room 214 D	Theme 8: The Digital Transformation in the Geosciences
Jobe, Zane John, Cedric	Mon.	am	10:10	Room 217 D	Theme 8: New Applications of Machine Learning to Subsurface Science
	Tue.	pm	P18	Exhibit Hall	Theme 2: Carbonates: Depositional Models II
John, Cedric Jolley, Chelsea	Mon.	am	P75	Exhibit Hall	Theme 1: Continental Depositional Environments: Reservoir Prediction From Multiple Scale Analysis
	Mon.	am	P55	Exhibit Hall	Theme 1: Interaction Between Sedimentation and Tectonics I
Jones, Adam Jones, Darren	Mon.	pm	P13	Exhibit Hall	Theme 9: New Global Exploration and Play Concepts
	Tue.	pm	P29	Exhibit Hall	Theme 8: The Digital Transformation in the Geosciences
Jones, Richard Jones, Richard	Wed.	pm	3:50	Room 214 B/C	Theme 4: Characterizing Brittle Deformation and Its Impact on Reservoirs
	Tue.	am	P30	Exhibit Hall	Theme 3: Biomarker Applications in Petroleum Systems Analysis
Jubb, Aaron	Tue.	am	P30	Exhibit Hall	Theme 1: Paralic and Shallow Marine Systems I: Process Variability and Impact on Reservoir Distribution and Architecture
Jung, Eunsil	Mon.	pm	P48	Exhibit Hall	Theme 1: Interaction Between Sedimentation and Tectonics I
	Mon.	am	P64	Exhibit Hall	Theme 1: Interaction Between Sedimentation and Tectonics II
	Mon.	am	10:10	Room 214 D	Theme 3: Geochemistry Applications in Petroleum Systems Characterization
Keep, Myra Kenning, Jack Kerans, Charles	Mon.	am	8:05	Room 214 B/C	Theme 4: Global Studies of Extensional and Passive Margins
	Mon.	am	P10	Exhibit Hall	AAPG Student Research Poster Session I
	Mon.	pm	1:40	Room 217 B/C	Theme 2: Permian Basin Source to Sink Sedimentology and Stratigraphy
Kernen, Rachelle	Tue.	am	P53	Exhibit Hall	Theme 4: Special Session on Salt Tectonics in Memory of Martin Jackson III
Kernen, Rachelle	Tue.	pm	4:05	Room 214 B/C	Theme 4: Special Session on Salt Tectonics in Memory of Martin Jackson II
Kertznus, Vanessa	Tue.	pm	1:20	Room 213 A/B	The Big Crew Change: Passing the Baton and Challenges Awaiting Mid-Career Geoscientists
Keswani, Arjun	Wed.	am	10:50	Room 217 A	Theme 1: Applied Ichnology: In Honor of George Pemberton

Khanna, Pankaj	Mon.	am	P44	Exhibit Hall	Theme 2: Carbonate Mixed Systems
Khondakar, Lubna Yesmin	Mon.	pm	P102	Exhibit Hall	Theme 1: Reservoir Quality and Rock Property Trends
Kimiagar, Sean	Mon.	am	P95	Exhibit Hall	Theme 5: Permian Basin Unconventionals
Kinsland, Gary	Mon.	am	8:05	Room 214 A	Theme 9: Planetary Geology and Energy Frontiers
Kirkpatrick, R. James	Wed.	am	8:45	Room 214 D	Theme 3: From Pores to Production: Unraveling Fluid Dynamics on Their Journey to the Surface
Knapp, Levi	Mon.	pm	P10	Exhibit Hall	Theme 5: Analytical Techniques for Unconventional Reservoirs
Ko, Lucy Tingwei	Mon.	pm	2:00	Room 217 D	Theme 5: Unconventional Plays: Appalachians, Rockies, and Midcontinent
Ko, Lucy Ting-Wei	Tue.	pm	4:05	Room 217 B/C	Theme 5: Advances in Unconventional Reservoir Characterization II: From Kerogen to Producibile Petroleum
Koeshidayatullah, Ardiansyah	Tue.	am	P7	Exhibit Hall	Theme 2: Carbonates: Fractures and Karst
Kohlruss, Dan	Tue.	am	P13	Exhibit Hall	Theme 2: Carbonates: Depositional Models I
Kolawole, Folarin	Wed.	am	P61	Exhibit Hall	Theme 4: Global Perspectives on Compressional Deformation
Korman, Katrina	Wed.	am	P80	Exhibit Hall	SEPM Student Research Poster Session II
Kornacki, Alan	Tue.	am	P28	Exhibit Hall	Theme 3: Biomarker Applications in Petroleum Systems Analysis
Kosanke, Tobi	Wed.	am	10:50	Room 217 B/C	Theme 5: Eagle Ford and Austin Chalk Unconventional Plays
Kosanke, Tobi	Wed.	am	P89	Exhibit Hall	Theme 8: Application of Machine Learning to Imaging
Krzywiec, Piotr	Tue.	am	P49	Exhibit Hall	Theme 4: Special Session on Salt Tectonics in Memory of Martin Jackson III
Kuila, Utpalendu	Wed.	am	P14	Exhibit Hall	Theme 5: International Unconventional Plays
Kukla, Peter	Tue.	pm	1:40	Room 214 B/C	Theme 4: Special Session on Salt Tectonics in Memory of Martin Jackson II
Kumar, Anish	Mon.	pm	P36	Exhibit Hall	Theme 1: Circum-Gulf of Mexico Clastic Systems
Kus, Kaci	Tue.	am	P73	Exhibit Hall	Theme 1: Deep-water Systems: Currents and Resulting Fine(r)-grained Deposits
Kvale, Erik	Mon.	pm	4:05	Room 217 B/C	Theme 2: Permian Basin Source to Sink Sedimentology and Stratigraphy
Kynaston, David	Mon.	pm	4:25	Room 214 A	Theme 1: Fluvial and Deltaic Depositional Environments: Reservoir Characterization and Prediction From Multiple Scale Analysis
LaGrange, Maya	Wed.	am	P84	Exhibit Hall	SEPM Student Research Poster Session II
Lang, Simon	Mon.	pm	2:00	Room 214 A	Theme 1: Fluvial and Deltaic Depositional Environments: Reservoir Characterization and Prediction From Multiple Scale Analysis
Lankford-Bravo, David	Tue.	am	P45	Exhibit Hall	Theme 4: Special Session on Salt Tectonics in Memory of Martin Jackson III
Larmier, Salomé	Wed.	am	P24	Exhibit Hall	Theme 3: Hydrocarbon Migration and Charge Risk Assessment
Larson, Toti	Tue.	am	P91	Exhibit Hall	Theme 5: Unconventional Reservoir Technology
Lary, Brent	Mon.	am	8:05	Room 217 B/C	Theme 5: Advances in Unconventional Reservoir Characterization I: The Rocks
Lau, Kimberly	Tue.	am	8:25	Hemisfair Ballroom I	SEPM Research Symposium I: A Look Into the Future of Energy and Sustainability Using the Sedimentary Record
Laughrey, Christopher	Wed.	am	9:05	Room 214 D	Theme 3: From Pores to Production: Unraveling Fluid Dynamics on Their Journey to the Surface
Laugier, Fabien	Mon.	am	11:10	Room 217 A	Theme 1: Deep-water Systems Architecture: From Controls to Characterization
Law, David	Tue.	am	8:25	Room 214 A	Theme 8: Multi-Disciplinary Integration for Subsurface Efforts in the Age of Big Data
Lawson, Michael	Tue.	am	9:05	Room 214 D	Theme 3: Hydrocarbon Migration and Charge Risk Assessment
Le Calvez, Joel	Wed.	pm	3:50	Room 213 A/B	Theme 7: Near the Well and Beyond: Petrophysics, Rock Physics, and Hydraulic Fractures
Le Goff, Johan	Tue.	am	10:30	Room 217 D	Theme 2: Depositional Models for Carbonate and Evaporite Systems
Leary, Ryan	Tue.	pm	P13	Exhibit Hall	Theme 2: Carbonates: Permian Basin
Lebit, Hermann	Mon.	pm	4:05	Room 214 B/C	Theme 4: Special Session on Salt Tectonics in Memory of Martin Jackson I
Leckie, R. Mark	Wed.	pm	3:50	Room 217 D	Theme 1: Innovation and Technology in Biostratigraphy for Challenging Times
Leetaru, Hannes	Tue.	am	10:50	Room 213 A/B	Theme 6: Sustainability and Carbon
Legeay, Etienne	Mon.	am	P35	Exhibit Hall	Theme 4: Special Session on Salt Tectonics in Memory of Martin Jackson I
Legeay, Etienne	Tue.	am	P55	Exhibit Hall	Theme 4: Special Session on Salt Tectonics in Memory of Martin Jackson III

PRESENTER CROSS REFERENCE

Lei, Cheng	Wed.	pm	4:30	Room 214 B/C	Theme 4: Characterizing Brittle Deformation and Its Impact on Reservoirs
Lemons, Casee	Mon.	pm	4:25	Room 213 A/B	Theme 6: Induced Seismicity and Water Management
Leonard, Ray	Tue.	pm	4:40	Room 213 A/B	DEG Special Session: Environmental Impact and Sustainability
Lepore, Justin	Tue.	pm	4:25	Room 217 A	Theme 10: Opportunity Valuation
Lesko, Anna	Tue.	pm	2:05	Hemisfair Ballroom I	SEPM Research Symposium II: A Look Into the Future of Energy and Sustainability Using the Sedimentary Record
Lewis, Helen	Wed.	pm	3:10	Room 214 B/C	Theme 4: Characterizing Brittle Deformation and Its Impact on Reservoirs
Lewis, Jack	Wed.	am	P3	Exhibit Hall	Theme 6: Sustainability and Carbon
Li, Haipeng	Tue.	pm	P79	Exhibit Hall	Theme 1: Source to Sink II
Li, Hui	Tue.	pm	P39	Exhibit Hall	Theme 4: Structure and Geomechanics of Unconventional Plays
Li, Jinbu	Wed.	am	P67	Exhibit Hall	AAPG Student Research Poster Session II
Li, Tingting	Mon.	pm	P73	Exhibit Hall	Theme 3: Source Rock Depositional Environments
Li, Wei	Mon.	pm	P88	Exhibit Hall	Theme 4: Global Perspectives on Extensional Deformation
Li, Yaohua	Tue.	pm	P58	Exhibit Hall	Theme 4: Modeling of Structural and Geomechanical Processes
Li, Yaohua	Wed.	am	P23	Exhibit Hall	Theme 3: Hydrocarbon Migration and Charge Risk Assessment
Li, Zhaoqi	Wed.	am	P96	Exhibit Hall	Theme 5: Unconventional Plays: Appalachians, Rockies, and Midcontinent
Li, Zhiyang	Mon.	am	P25	Exhibit Hall	SEPM Student Research Poster Session I
Li, Zhiyang	Mon.	pm	P55	Exhibit Hall	Theme 1: Paralic and Shallow Marine Systems II: Process Variability and Impact on Reservoir Distribution and Architecture
Liang, Han	Tue.	am	10:50	Room 214 B/C	Theme 4: Compressional Environments: Trap to Basin
Lim, Un Young	Mon.	am	10:30	Room 213 A/B	Theme 7: Integration of Geology and Geophysics
Lim, Un Young	Wed.	pm	2:40	Room 213 A/B	Theme 7: Near the Well and Beyond: Petrophysics, Rock Physics, and Hydraulic Fractures
Limaye, Ajay	Tue.	pm	1:50	Hemisfair Ballroom I	SEPM Research Symposium II: A Look Into the Future of Energy and Sustainability Using the Sedimentary Record
Lin, Wen	Tue.	pm	2:00	Room 214 A	Theme 1: Paralic and Shallow Marine Systems: Process Variability and Impact on Reservoir Distribution and Architecture
Lin, Wen	Tue.	pm	P68	Exhibit Hall	Theme 1: Source to Sink I
Line, Lina Hedvig	Wed.	pm	2:40	Room 214 A	Theme 1: Diagenesis and Rock Property Trends in Siliciclastics
Lingrey, Steven	Mon.	am	P33	Exhibit Hall	Theme 4: Special Session on Salt Tectonics in Memory of Martin Jackson I
Liu, Hangyu	Tue.	am	P6	Exhibit Hall	Theme 2: Carbonates: Fractures and Karst
Liu, Jun	Wed.	am	P55	Exhibit Hall	Theme 4: Global Perspectives on Compressional Deformation
Liu, Kouqi	Tue.	pm	P95	Exhibit Hall	Theme 5: Unconventional Reservoir Characterization II
Liu, Li	Tue.	am	11:10	Room 217 B/C	Theme 5: Permian Basin Unconventionals
Liu, Rui	Tue.	pm	P46	Exhibit Hall	Theme 4: Structure and Geomechanics of Unconventional Plays
Liu, Rui	Wed.	am	P6	Exhibit Hall	Theme 6: Sustainability and Carbon
Liu, Wei	Mon.	pm	P71	Exhibit Hall	Theme 3: Source Rock Depositional Environments
Liu, Wendi	Mon.	am	8:45	Room 217 D	Theme 8: New Applications of Machine Learning to Subsurface Science
Liu, Xinggang Christopher	Tue.	am	P41	Exhibit Hall	Theme 4: Special Session on Salt Tectonics in Memory of Martin Jackson II
Liu, Xiuju	Tue.	am	P102	Exhibit Hall	Theme 8: New Applications of Machine Learning to Subsurface Science
Liu, Xiuju	Wed.	am	P86	Exhibit Hall	Theme 8: Application of Machine Learning to Imaging
Liu, Yubo	Tue.	am	9:05	Room 214 B/C	Theme 4: Compressional Environments: Trap to Basin
Lloyd, Christopher	Mon.	pm	P96	Exhibit Hall	Theme 6: Carbon Storage
Long, Jonathan	Mon.	am	P84	Exhibit Hall	Theme 4: Characterizing Brittle Deformation and Its Impact on Reservoirs
Lord, Elaine	Tue.	am	P19	Exhibit Hall	Theme 2: Carbonates: Depositional Models I
Loucks, Robert	Wed.	am	8:25	Room 217 B/C	Theme 5: Eagle Ford and Austin Chalk Unconventional Plays
Loucks, Robert	Wed.	am	8:45	Room 217 B/C	Theme 5: Eagle Ford and Austin Chalk Unconventional Plays
Lovecchio, Juan	Mon.	am	P38	Exhibit Hall	Theme 4: Special Session on Salt Tectonics in Memory of Martin Jackson I
Lowell, James	Mon.	am	11:30	Room 217 D	Theme 8: New Applications of Machine Learning to Subsurface Science

Lu, Le	Tue.	am	P25	Exhibit Hall	Theme 3: Biomarker Applications in Petroleum Systems Analysis
Lu, Yan	Tue.	am	P105	Exhibit Hall	Theme 8: New Applications of Machine Learning to Subsurface Science
Lu, Yiran	Wed.	am	P78	Exhibit Hall	SEPM Student Research Poster Session II
Luchtel Ferguson, Kristie	Wed.	pm	3:10	Hemisfair Ballroom I	Theme 10: Financing
Lueck, Lillian	Mon.	am	P32	Exhibit Hall	Theme 4: Special Session on Salt Tectonics in Memory of Martin Jackson I
Luedmann, Thomas	Tue.	am	P14	Exhibit Hall	Theme 2: Carbonates: Depositional Models I
Lund Snee, Jens-Erik	Tue.	pm	P43	Exhibit Hall	Theme 4: Structure and Geomechanics of Unconventional Plays
Lyu, Fuliang	Tue.	am	P68	Exhibit Hall	Theme 1: Deep-water Systems: Currents and Resulting Fine(r)-grained Deposits
Lyu, Wenya	Tue.	pm	P47	Exhibit Hall	Theme 4: Structure and Geomechanics of Unconventional Plays
Ma, Xingzhi	Mon.	pm	P98	Exhibit Hall	Theme 8: Multi-Disciplinary Integration for Subsurface Efforts in the Age of Big Data
Ma, Xugang	Tue.	pm	P42	Exhibit Hall	Theme 7: Geophysics: Beyond Seismic Methods
MacEachern, James	Wed.	am	11:30	Room 217 A	Theme 1: Applied Ichology: In Honor of George Pemberton
Macellari, Carlos	Mon.	pm	4:05	Hemisfair Ballroom I	Discovery Thinking Forum – "Pioneering Discoveries Driving Prosperity"
Mahoney, J. Brian	Mon.	am	P63	Exhibit Hall	Theme 1: Interaction Between Sedimentation and Tectonics II
Makeen Ahmed, Yousif	Mon.	pm	P74	Exhibit Hall	Theme 3: Source Rock Depositional Environments
Malin, Peter	Mon.	pm	3:25	Room 213 A/B	Theme 6: Induced Seismicity and Water Management
Malloy, Thomas	Tue.	pm	1:40	Room 217 B/C	Theme 5: Advances in Unconventional Reservoir Characterization II: From Kerogen to Produccible Petroleum
Manche, Cameron	Mon.	am	P18	Exhibit Hall	SEPM Student Research Poster Session I
Mann, Paul	Mon.	am	11:10	Room 214 B/C	Theme 4: Global Studies of Extensional and Passive Margins
Manueco, Humberto	Wed.	am	10:10	Hemisfair Ballroom I	Theme 10: Deals and Investment Decisions
Marcil, Jean-Sebastien	Sun.	pm	2:00	Room 217 D	Step Changes in Petroleum Geology: Historical Challenges and Technological Breakthroughs
Markert, Kaleb	Tue.	am	P16	Exhibit Hall	Theme 2: Carbonates: Depositional Models I
Markwick, Paul	Sun.	pm	12:40	Room 217 D	Step Changes in Petroleum Geology: Historical Challenges and Technological Breakthroughs
Markwick, Paul	Mon.	pm	P83	Exhibit Hall	Theme 4: Global Perspectives on Extensional Deformation
Marshall, Patricio	Mon.	am	10:50	Room 214 B/C	Theme 4: Global Studies of Extensional and Passive Margins
Martin, Thomas	Tue.	pm	P34	Exhibit Hall	Theme 8: The Digital Transformation in the Geosciences
Martindale, Rowan	Tue.	pm	1:40	Hemisfair Ballroom I	SEPM Research Symposium II: A Look Into the Future of Energy and Sustainability Using the Sedimentary Record
Mastalerz, Maria	Tue.	pm	3:45	Room 217 B/C	Theme 5: Advances in Unconventional Reservoir Characterization II: From Kerogen to Produccible Petroleum
Mathukutty, Shibu	Tue.	pm	4:05	Room 217 A	Theme 10: Opportunity Valuation
Matthew, Bode	Mon.	pm	P91	Exhibit Hall	Theme 8: Multi-Disciplinary Integration for Subsurface Efforts in the Age of Big Data
Mattson, Adam	Tue.	am	P33	Exhibit Hall	Theme 4: Special Session on Salt Tectonics in Memory of Martin Jackson II
McAllen, Matthew	Mon.	am	P14	Exhibit Hall	AAPG Student Research Poster Session I
McArthur, Adam	Mon.	am	P57	Exhibit Hall	Theme 1: Interaction Between Sedimentation and Tectonics I
McDermott, Kenneth	Mon.	am	11:30	Room 214 B/C	Theme 4: Global Studies of Extensional and Passive Margins
McDermott, Kenneth	Tue.	am	10:10	Room 214 B/C	Theme 4: Compressional Environments: Trap to Basin
McDonough, Katie-Joe	Wed.	am	11:00	Room 213 A/B	Theme 7: Remote Sensing, Monitoring, Regional Studies, and Gulf of Mexico
McFarlin, Forrest	Mon.	am	P41	Exhibit Hall	Theme 2: Carbonate Mixed Systems
McGhee, Claire	Wed.	pm	2:00	Room 214 A	Theme 1: Diagenesis and Rock Property Trends in Siliciclastics
McGlynn, Ian	Mon.	pm	P4	Exhibit Hall	Theme 5: Analytical Techniques for Unconventional Reservoirs
McNeill, Donald	Wed.	am	P21	Exhibit Hall	Theme 5: International Unconventional Plays
Meckel, T.	Tue.	am	8:25	Room 213 A/B	Theme 6: Sustainability and Carbon
Meddaugh, William	Tue.	pm	3:45	Room 217 A	Theme 10: Opportunity Valuation
Meddaugh, William	Tue.	pm	P25	Exhibit Hall	Theme 2: Carbonates: Depositional Models II
Medina, Elena	Mon.	pm	P93	Exhibit Hall	Theme 8: Multi-Disciplinary Integration for Subsurface Efforts in the Age of Big Data
Melnyk, Scott	Wed.	am	8:45	Room 217 A	Theme 1: Applied Ichology: In Honor of George Pemberton
Mendez Fermin, Dugmar	Mon.	am	P21	Exhibit Hall	SEPM Student Research Poster Session I
Meng, Jingyao	Mon.	pm	P99	Exhibit Hall	Theme 6: Carbon Storage

PRESENTER CROSS REFERENCE

Mertesdorf, Melanie	Wed.	am	9:05	Room 217 B/C	Theme 5: Eagle Ford and Austin Chalk Unconventional Plays
Meyer, Melissa	Mon.	pm	P7	Exhibit Hall	Theme 5: Analytical Techniques for Unconventional Reservoirs
Milkov, Alexei	Tue.	pm	2:00	Room 217 A	Theme 10: Opportunity Valuation
Milliken, Kitty	Wed.	pm	3:50	Room 214 A	Theme 1: Diagenesis and Rock Property Trends in Siliciclastics
Miltenberger, Keely	Mon.	am	P19	Exhibit Hall	SEPM Student Research Poster Session I
Mio, Eduardo	Mon.	pm	P84	Exhibit Hall	Theme 4: Global Perspectives on Extensional Deformation
Miraj, Muhammad	Tue.	am	8:45	Room 214 B/C	Theme 4: Compressional Environments: Trap to Basin
Miraj, Muhammed A. F.	Tue.	pm	P56	Exhibit Hall	Theme 4: Modeling of Structural and Geomechanical Processes
Misch, David	Tue.	pm	3:25	Room 217 B/C	Theme 5: Advances in Unconventional Reservoir Characterization II: From Kerogen to Produccible Petroleum
Mitchell, William	Tue.	am	P57	Exhibit Hall	Theme 1: Deep-water Sedimentology
Mitten, Andrew	Mon.	pm	P54	Exhibit Hall	Theme 1: Paralic and Shallow Marine Systems II: Process Variability and Impact on Reservoir Distribution and Architecture
Mitten, Andrew	Wed.	am	P79	Exhibit Hall	SEPM Student Research Poster Session II
Moghadam, Al	Wed.	pm	3:30	Room 217 B/C	Theme 5: Advances in Unconventional Reservoir Characterization III: Predictive Technologies
Mohapatra, Gopal	Wed.	am	10:30	Room 213 A/B	Theme 7: Remote Sensing, Monitoring, Regional Studies, and Gulf of Mexico
Mohrig, David	Mon.	pm	4:05	Room 217 A	Theme 1: Deep-water Process Stratigraphy
Moldowan, John	Mon.	pm	P78	Exhibit Hall	Theme 3: Source Rock Depositional Environments
Moore, Paul	Mon.	am	8:05	Hemisfair Ballroom I	Theme 2: Characterizing Fracture and Karst Porosity and Permeability
Morrell, Austin	Tue.	am	P95	Exhibit Hall	Theme 5: Unconventional Reservoir Technology
Morrice, Susan	Mon.	pm	2:00	Hemisfair Ballroom I	Discovery Thinking Forum – "Pioneering Discoveries Driving Prosperity"
Morris, Alan	Tue.	am	P80	Exhibit Hall	Theme 6: Induced Seismicity and Water Management
Morris, Emma	Tue.	am	P72	Exhibit Hall	Theme 1: Deep-water Systems: Currents and Resulting Fine(r)- grained Deposits
Morris, Paul	Mon.	am	10:10	Room 217 A	Theme 1: Deep-water Systems Architecture: From Controls to Characterization
Mosca, Fausto	Tue.	am	11:30	Room 214 D	Theme 3: Hydrocarbon Migration and Charge Risk Assessment
Moslow, Thomas	Wed.	am	P18	Exhibit Hall	Theme 5: International Unconventional Plays
Mount, Van	Mon.	pm	3:45	Room 214 B/C	Theme 4: Special Session on Salt Tectonics in Memory of Martin Jackson I
Mountney, Nigel	Wed.	am	8:05	Room 217 D	Theme 1: Aeolian System Dynamics: What Have We Learned in the Last 50 Years?
Mullen, Sheridan	Mon.	pm	P61	Exhibit Hall	Theme 1: Paralic and Shallow Marine Systems II: Process Variability and Impact on Reservoir Distribution and Architecture
Mullins, James	Mon.	pm	2:20	Room 214 A	Theme 1: Fluvial and Deltaic Depositional Environments: Reservoir Characterization and Prediction From Multiple Scale Analysis
Murlidhar, Chandini	Wed.	pm	2:00	Room 214 B/C	Theme 4: Characterizing Brittle Deformation and Its Impact on Reservoirs
Murray, Titus	Wed.	am	P29	Exhibit Hall	Theme 3: Hydrocarbon Migration and Charge Risk Assessment
Murray, Titus	Wed.	am	P30	Exhibit Hall	Theme 1: New Advances in Mature Basins
Nancy, Slatter	Tue.	pm	1:20	Room 213 A/B	The Big Crew Change: Passing the Baton and Challenges Awaiting Mid-Career Geoscientists
Nash, Susan	Wed.	pm	4:10	Hemisfair Ballroom I	Theme 10: Financing
Navarro, Lilian	Tue.	am	P63	Exhibit Hall	Theme 1: Deep-water Sedimentology
Nazworth, Caroline	Mon.	pm	3:45	Room 214 A	Theme 1: Fluvial and Deltaic Depositional Environments: Reservoir Characterization and Prediction From Multiple Scale Analysis
Neri, Philip	Tue.	am	8:05	Room 214 A	Theme 8: Multi-Disciplinary Integration for Subsurface Efforts in the Age of Big Data
Nicot, Jean-Philippe	Tue.	am	P81	Exhibit Hall	Theme 6: Induced Seismicity and Water Management
Nielsen, Eric	Wed.	pm	1:40	Hemisfair Ballroom I	Theme 10: Financing
Nieto, Michael	Mon.	am	P93	Exhibit Hall	Theme 5: Permian Basin Unconventionals
Nikolinakou, Maria	Mon.	pm	2:20	Room 214 B/C	Theme 4: Special Session on Salt Tectonics in Memory of Martin Jackson I
Ning, Fei	Mon.	pm	4:05	Room 214 D	Theme 2: Linked Systems of the Cretaceous Gulf of Mexico
Ningthoujam, Jagabir	Tue.	am	P75	Exhibit Hall	Theme 1: Deep-water Systems: Currents and Resulting Fine(r)- grained Deposits

Nivlet, Philippe	Mon.	pm	P27	Exhibit Hall	Theme 7: Integration of Geology and Geophysics
Nnorom, Sebastian	Wed.	am	P71	Exhibit Hall	AAPG Student Research Poster Session II
Nolan, Seth	Wed.	am	P41	Exhibit Hall	Theme 1: New Advances in Mature Basins
Nolting, Andrea	Mon.	am	8:45	Hemisfair Ballroom I	Theme 2: Characterizing Fracture and Karst Porosity and Permeability
Nolting, Andrea	Tue.	am	P20	Exhibit Hall	Theme 2: Carbonates: Depositional Models I
Norris, David	Mon.	am	11:10	Room 214 D	Theme 3: Geochemistry Applications in Petroleum Systems Characterization
Novak, Aleksandra	Wed.	am	P75	Exhibit Hall	AAPG Student Research Poster Session II
Noweir, Mohamed	Wed.	pm	4:30	Room 217 A	Theme 9: New Global Exploration and Play Concepts
Noyahr, Christopher	Mon.	pm	P19	Exhibit Hall	Theme 9: New Global Exploration and Play Concepts
Nso, Peter	Mon.	am	P30	Exhibit Hall	Theme 4: Special Session on Salt Tectonics in Memory of Martin Jackson I
Nuttall, Brandon	Wed.	am	P4	Exhibit Hall	Theme 6: Sustainability and Carbon
Nwoko, Jefferson	Mon.	am	P11	Exhibit Hall	AAPG Student Research Poster Session I
Obermaier, Michael	Tue.	am	10:10	Room 217 D	Theme 2: Depositional Models for Carbonate and Evaporite Systems
O'Brien, Joshua	Tue.	pm	P92	Exhibit Hall	Theme 5: Unconventional Reservoir Characterization I
Okwara, Ikenna	Tue.	pm	P62	Exhibit Hall	Theme 1: Source to Sink I
Olariu, Cornel	Mon.	pm	P37	Exhibit Hall	Theme 1: Circum-Gulf of Mexico Clastic Systems
Olariu, Mariana	Mon.	pm	P59	Exhibit Hall	Theme 1: Paralic and Shallow Marine Systems II: Process Variability and Impact on Reservoir Distribution and Architecture
Onuba, Leonard	Wed.	am	8:45	Room 213 A/B	Theme 7: Remote Sensing, Monitoring, Regional Studies, and Gulf of Mexico
Onwumelu, Chioma	Mon.	pm	P12	Exhibit Hall	Theme 5: Analytical Techniques for Unconventional Reservoirs
Ooi, Didi	Wed.	pm	3:30	Room 214 D	Theme 8: The Digital Transformation in the Geosciences
Oristaglio, Michael	Wed.	am	11:30	Room 213 A/B	Theme 7: Remote Sensing, Monitoring, Regional Studies, and Gulf of Mexico
Orso, Joseph	Tue.	pm	P84	Exhibit Hall	Theme 5: Unconventional Reservoir Characterization I
Osman, Ariana	Tue.	pm	P64	Exhibit Hall	Theme 1: Source to Sink I
Osman, Mutasim	Tue.	pm	P26	Exhibit Hall	Theme 2: Carbonates: Depositional Models II
Osman, Mutasim	Tue.	pm	P97	Exhibit Hall	Theme 5: Unconventional Reservoir Characterization II
Osmond, Johnathon	Mon.	am	P87	Exhibit Hall	Theme 4: Characterizing Brittle Deformation and Its Impact on Reservoirs
Ozotta, Ogochukwu	Tue.	pm	P60	Exhibit Hall	Theme 4: Modeling of Structural and Geomechanical Processes
Paddock, David	Mon.	am	8:25	Room 213 A/B	Theme 7: Integration of Geology and Geophysics
Palmowski, Daniel	Mon.	am	8:25	Room 214 B/C	Theme 4: Global Studies of Extensional and Passive Margins
Pascoe, Robert	Wed.	pm	1:20	Room 217 A	Theme 9: New Global Exploration and Play Concepts
Pataki, Margaret	Mon.	pm	3:25	Room 214 A	Theme 1: Fluvial and Deltaic Depositional Environments: Reservoir Characterization and Prediction From Multiple Scale Analysis
Paton, Douglas	Mon.	pm	P85	Exhibit Hall	Theme 4: Global Perspectives on Extensional Deformation
Patterson, Samantha	Wed.	am	10:10	Room 217 B/C	Theme 5: Eagle Ford and Austin Chalk Unconventional Plays
Pattnaik, Chinmaya	Wed.	pm	2:40	Room 214 B/C	Theme 4: Characterizing Brittle Deformation and Its Impact on Reservoirs
Paull, Charles	Mon.	pm	1:20	Room 217 A	Theme 1: Deep-water Process Stratigraphy
Paumard, Victorien	Mon.	am	8:05	Room 217 A	Theme 1: Deep-water Systems Architecture: From Controls to Characterization
Paumard, Victorien	Tue.	am	8:25	Room 217 A	Theme 1: Source to Sink
Paumard, Victorien	Tue.	pm	P67	Exhibit Hall	Theme 1: Source to Sink I
Pearigen, Robert	Mon.	am	P36	Exhibit Hall	Theme 4: Special Session on Salt Tectonics in Memory of Martin Jackson I
Pedersen, Esben	Mon.	pm	4:25	Room 214 D	Theme 2: Linked Systems of the Cretaceous Gulf of Mexico
Peel, Frank	Tue.	pm	4:45	Room 214 B/C	Theme 4: Special Session on Salt Tectonics in Memory of Martin Jackson II
Pei, Yangwen	Tue.	pm	P53	Exhibit Hall	Theme 4: Modeling of Structural and Geomechanical Processes
Pelayo Nava, Argenis	Mon.	pm	P26	Exhibit Hall	Theme 7: Integration of Geology and Geophysics
Peng, Junwen	Mon.	am	P90	Exhibit Hall	Theme 5: Permian Basin Unconventionals
Peng, Sheng	Tue.	pm	4:25	Room 217 B/C	Theme 5: Advances in Unconventional Reservoir Characterization II: From Kerogen to Producing Petroleum
Peng, Sheng	Tue.	pm	P87	Exhibit Hall	Theme 5: Unconventional Reservoir Characterization I

PRESENTER CROSS REFERENCE

Pepin, Karissa	Mon.	pm	1:40	Room 213 A/B	Theme 6: Induced Seismicity and Water Management Theme 5: Advances in Unconventional Reservoir Characterization II: From Kerogen to Producing Petroleum
Pepper, Andrew	Tue.	pm	4:45	Room 217 B/C	
Pepper, Andrew	Tue.	pm	1:20	Room 214 D	Theme 3: Integrated Workflows in Petroleum Systems Modeling
Peters, Kenneth	Sun.	pm	12:20	Room 217 D	Step Changes in Petroleum Geology: Historical Challenges and Technological Breakthroughs
Peters, Kenneth	Tue.	am	8:25	Room 214 D	Theme 3: Hydrocarbon Migration and Charge Risk Assessment
Pettigrew, Ross	Wed.	am	10:10	Room 217 D	Theme 1: Aeolian System Dynamics: What Have We Learned in the Last 50 Years?
Pettinga, Luke	Tue.	am	P64	Exhibit Hall	Theme 1: Deep-water Sedimentology
Peyerl, Drielli	Sun.	pm	1:20	Room 217 D	Step Changes in Petroleum Geology: Historical Challenges and Technological Breakthroughs
Peyerl, Drielli	Mon.	pm	P97	Exhibit Hall	Theme 6: Carbon Storage
Peyerl, Drielli	Mon.	pm	P24	Exhibit Hall	Theme 9: New Global Exploration and Play Concepts
Peyerl, Drielli	Wed.	am	P8	Exhibit Hall	Theme 6: Sustainability and Carbon
Phillips, Joseph	Mon.	pm	P58	Exhibit Hall	Theme 1: Paralic and Shallow Marine Systems II: Process Variability and Impact on Reservoir Distribution and Architecture
Philp, Paul	Tue.	am	8:45	Room 214 D	Theme 3: Hydrocarbon Migration and Charge Risk Assessment
Pichat, Alexandre	Tue.	am	P34	Exhibit Hall	Theme 4: Special Session on Salt Tectonics in Memory of Martin Jackson II
Pigott, John	Tue.	am	10:10	Room 213 A/B	Theme 6: Sustainability and Carbon
Pindell, James	Tue.	pm	2:20	Room 214 B/C	Theme 4: Special Session on Salt Tectonics in Memory of Martin Jackson II
Pinta, Steven	Mon.	pm	1:40	Room 217 D	Theme 5: Unconventional Plays: Appalachians, Rockies, and Midcontinent
Platon, Emil	Wed.	am	P46	Exhibit Hall	Theme 1: Innovation and Technology in Biostratigraphy for Challenging Times
Platon, Emil	Wed.	pm	2:20	Room 217 D	Theme 1: Innovation and Technology in Biostratigraphy for Challenging Times
Pletka, Crystal	Wed.	am	P47	Exhibit Hall	Theme 1: Innovation and Technology in Biostratigraphy for Challenging Times
Poirier, Simon	Wed.	am	P22	Exhibit Hall	Theme 5: International Unconventional Plays
Pontén, Anna	Mon.	am	10:50	Room 217 A	Theme 1: Deep-water Systems Architecture: From Controls to Characterization
Popescu, Andrei	Tue.	am	10:30	Room 214 A	Theme 8: Multi-Disciplinary Integration for Subsurface Efforts in the Age of Big Data
Popova, Olga	Mon.	am	P89	Exhibit Hall	Theme 5: Permian Basin Unconventionals
Pranter, Matthew	Wed.	am	P90	Exhibit Hall	Theme 8: Application of Machine Learning to Imaging
Prather, Tim	Tue.	pm	P100	Exhibit Hall	Theme 5: Unconventional Reservoir Characterization II
Price, Buddy	Mon.	pm	3:45	Room 217 B/C	Theme 2: Permian Basin Source to Sink Sedimentology and Stratigraphy
Priddy, Charlotte	Wed.	am	11:30	Room 217 D	Theme 1: Aeolian System Dynamics: What Have We Learned in the Last 50 Years?
Prince, Kieron	Tue.	pm	P28	Exhibit Hall	Theme 2: Carbonates: Depositional Models II
Prokocki, Eric	Mon.	pm	3:45	Room 217 A	Theme 1: Deep-water Process Stratigraphy
Purkis, Sam	Mon.	pm	1:40	Room 214 D	Theme 2: Linked Systems of the Cretaceous Gulf of Mexico
Purves, Steve	Mon.	am	11:10	Room 217 D	Theme 8: New Applications of Machine Learning to Subsurface Science
Pyrzcz, Michael	Tue.	pm	1:20	Room 213 A/B	The Big Crew Change: Passing the Baton and Challenges Awaiting Mid-Career Geoscientists
Qiao, Zhanfeng	Tue.	am	P1	Exhibit Hall	Theme 2: Carbonates: Fractures and Karst
Ramsay, Travis	Wed.	am	9:05	Room 213 A/B	Theme 7: Remote Sensing, Monitoring, Regional Studies, and Gulf of Mexico
Randles, Thomas	Mon.	am	P34	Exhibit Hall	Theme 4: Special Session on Salt Tectonics in Memory of Martin Jackson I
Rao, Yong	Mon.	pm	P20	Exhibit Hall	Theme 9: New Global Exploration and Play Concepts
Ravindranathan, Ramya	Mon.	pm	1:40	Room 217 A	Theme 1: Deep-water Process Stratigraphy
Raychaudhuri, Indraneel	Wed.	am	10:30	Room 217 A	Theme 1: Applied Ichology: In Honor of George Pemberton
Re, Simone	Wed.	am	8:05	Room 213 A/B	Theme 7: Remote Sensing, Monitoring, Regional Studies, and Gulf of Mexico
Reat, Ellen	Mon.	pm	P47	Exhibit Hall	Theme 1: Paralic and Shallow Marine Systems I: Process Variability and Impact on Reservoir Distribution and Architecture

Reat, Ellen	Tue.	pm	P66	Exhibit Hall	Theme 1: Source to Sink I
Reed, Robert	Mon.	am	P94	Exhibit Hall	Theme 5: Permian Basin Unconventionals
Reed, Robert	Mon.	pm	P5	Exhibit Hall	Theme 5: Analytical Techniques for Unconventional Reservoirs
Reed, Robert	Tue.	pm	P90	Exhibit Hall	Theme 5: Unconventional Reservoir Characterization I
Rehill, Trent	Wed.	am	8:45	Hemisfair Ballroom I	Theme 10: Deals and Investment Decisions
Reijmer, John	Tue.	am	8:25	Room 217 D	Theme 2: Depositional Models for Carbonate and Evaporite Systems
Reistroffer, Maria	Tue.	pm	P11	Exhibit Hall	Theme 2: Carbonates: Permian Basin
Ren, Jian	Tue.	am	P44	Exhibit Hall	Theme 4: Special Session on Salt Tectonics in Memory of Martin Jackson II
Renaud, Evan	Mon.	am	11:10	Room 214 A	Theme 9: Planetary Geology and Energy Frontiers
Rendall, Benjamin	Mon.	am	P40	Exhibit Hall	Theme 2: Carbonate Mixed Systems
Reuber, Kyle	Tue.	am	8:25	Room 214 B/C	Theme 4: Compressional Environments: Trap to Basin
Riadini, Putri	Wed.	am	P60	Exhibit Hall	Theme 4: Global Perspectives on Compressional Deformation
Ricoy-Paramo, Valente	Wed.	am	10:50	Room 213 A/B	Theme 7: Remote Sensing, Monitoring, Regional Studies, and Gulf of Mexico
Rinderknecht, Chansé	Wed.	am	11:30	Room 214 A	Theme 2: Carbonate Rock Properties and Reservoir Performance Prediction
Rine, James	Wed.	am	P10	Exhibit Hall	Theme 6: Sustainability and Carbon
Ritzer, Samantha	Mon.	pm	P9	Exhibit Hall	Theme 5: Analytical Techniques for Unconventional Reservoirs
Rivers, John	Tue.	am	8:05	Room 217 D	Theme 2: Depositional Models for Carbonate and Evaporite Systems
Roberts, Daniel	Tue.	pm	3:45	Room 214 B/C	Theme 4: Special Session on Salt Tectonics in Memory of Martin Jackson II
Roca, Eduard	Mon.	pm	1:40	Room 214 B/C	Theme 4: Special Session on Salt Tectonics in Memory of Martin Jackson I
Rodriguez Blanco, Leticia	Wed.	am	P16	Exhibit Hall	Theme 5: International Unconventional Plays
Rodriguez, Clara	Tue.	pm	2:00	Room 214 B/C	Theme 4: Special Session on Salt Tectonics in Memory of Martin Jackson II
Roende, Henrik	Mon.	am	11:30	Room 213 A/B	Theme 7: Integration of Geology and Geophysics
Romans, Brian	Tue.	pm	1:20	Hemisfair Ballroom I	SEPM Research Symposium II: A Look Into the Future of Energy and Sustainability Using the Sedimentary Record
Rowan, Mark	Mon.	pm	4:45	Room 214 B/C	Theme 4: Special Session on Salt Tectonics in Memory of Martin Jackson I
Rowe, Aryn	Mon.	pm	P11	Exhibit Hall	Theme 5: Analytical Techniques for Unconventional Reservoirs
Ruchiga, Taina	Tue.	pm	P3	Exhibit Hall	Theme 7: Geophysics: Beyond Seismic Methods
Ruckwied, Katrin	Wed.	am	P39	Exhibit Hall	Theme 1: Innovation and Technology in Biostratigraphy for Challenging Times
Rueda Sanchez, Laura	Tue.	pm	P94	Exhibit Hall	Theme 5: Unconventional Reservoir Characterization II
Ruiz, Izaak	Wed.	am	P11	Exhibit Hall	Theme 6: Sustainability and Carbon
Ruppel, Stephen	Mon.	pm	1:20	Room 217 B/C	Theme 2: Permian Basin Source to Sink Sedimentology and Stratigraphy
Rush, Jason	Mon.	pm	2:20	Room 217 B/C	Theme 2: Permian Basin Source to Sink Sedimentology and Stratigraphy
Russo, Fabio	Wed.	am	P42	Exhibit Hall	Theme 1: Innovation and Technology in Biostratigraphy for Challenging Times
Russo, Fabio	Wed.	am	P51	Exhibit Hall	Theme 1: Innovation and Technology in Biostratigraphy for Challenging Times
Rutty, Patrick	Mon.	pm	P96	Exhibit Hall	Theme 8: Multi-Disciplinary Integration for Subsurface Efforts in the Age of Big Data
Rutty, Patrick	Wed.	pm	3:50	Room 214 D	Theme 8: The Digital Transformation in the Geosciences
Ryan, Brooks	Wed.	am	8:05	Room 214 A	Theme 2: Carbonate Rock Properties and Reservoir Performance Prediction
Sachsenhofer, Reinhard	Wed.	am	11:10	Room 214 D	Theme 3: From Pores to Production: Unraveling Fluid Dynamics on Their Journey to the Surface
Sahoo, Swapan	Mon.	am	8:45	Room 214 D	Theme 3: Geochemistry Applications in Petroleum Systems Characterization
Salles Civitarese, Daniel	Tue.	am	P99	Exhibit Hall	Theme 8: New Applications of Machine Learning to Subsurface Science
Samis, Jack	Tue.	pm	P31	Exhibit Hall	Theme 8: The Digital Transformation in the Geosciences
Sanchez Mendoza, Juan	Tue.	pm	4:05	Room 214 A	Theme 1: Paralic and Shallow Marine Systems: Process Variability and Impact on Reservoir Distribution and Architecture

PRESENTER CROSS REFERENCE

Sanchez, Laura	Mon.	am	P83	Exhibit Hall	Theme 4: Characterizing Brittle Deformation and Its Impact on Reservoirs
Sandu, Constantin	Tue.	am	8:05	Room 214 D	Theme 3: Hydrocarbon Migration and Charge Risk Assessment
Santiago Torres, Alejandra	Tue.	pm	P21	Exhibit Hall	Theme 2: Carbonates: Depositional Models II
Santolaria, Pablo	Tue.	pm	P50	Exhibit Hall	Theme 4: Modeling of Structural and Geomechanical Processes
Santra, Manasij	Mon.	pm	2:00	Room 217 A	Theme 1: Deep-water Process Stratigraphy
Sapiie, Benyamin	Mon.	am	P49	Exhibit Hall	Theme 1: Interaction Between Sedimentation and Tectonics I
Sathaye, Kiran	Wed.	pm	4:10	Room 214 D	Theme 8: The Digital Transformation in the Geosciences
Savage, Melanie	Wed.	am	10:50	Hemisfair Ballroom I	Theme 10: Deals and Investment Decisions
Schoenborn, Greg	Mon.	pm	4:25	Room 214 B/C	Theme 4: Special Session on Salt Tectonics in Memory of Martin Jackson I
Schwangler, Martin	Wed.	am	P28	Exhibit Hall	Theme 3: Hydrocarbon Migration and Charge Risk Assessment
Scott, Derek	Tue.	am	P43	Exhibit Hall	Theme 4: Special Session on Salt Tectonics in Memory of Martin Jackson II
Senger, Kim	Sun.	pm	1:00	Room 217 D	Step Changes in Petroleum Geology: Historical Challenges and Technological Breakthroughs
Senger, Kim	Tue.	pm	P30	Exhibit Hall	Theme 8: The Digital Transformation in the Geosciences
Shahin, Yosef	Tue.	am	P17	Exhibit Hall	Theme 2: Carbonates: Depositional Models I
Shahzad, Khurram	Tue.	am	P15	Exhibit Hall	Theme 2: Carbonates: Depositional Models I
Sharman, Glenn	Tue.	am	8:05	Room 217 A	Theme 1: Source to Sink
Shaw, Daniel	Tue.	pm	P102	Exhibit Hall	Theme 5: Unconventional Reservoir Characterization II
Shelton, Jenna	Wed.	am	P2	Exhibit Hall	Theme 6: Sustainability and Carbon
Shimano, Yasushi	Mon.	pm	P60	Exhibit Hall	Theme 1: Paralic and Shallow Marine Systems II: Process Variability and Impact on Reservoir Distribution and Architecture
Shoup, Robert	Wed.	am	11:10	Hemisfair Ballroom I	Theme 10: Deals and Investment Decisions
Sihombing, Enry	Wed.	am	P35	Exhibit Hall	Theme 1: New Advances in Mature Basins
Simo, Toni	Tue.	pm	1:40	Room 217 D	Theme 2: Microbial Carbonates: Modern and Ancient Analogs for Pre-salt Deposits
Singh, Pulkit	Tue.	am	P18	Exhibit Hall	Theme 2: Carbonates: Depositional Models I
Sitgreaves, Jeffrey	Mon.	pm	2:00	Room 214 D	Theme 2: Linked Systems of the Cretaceous Gulf of Mexico
Sitgreaves, Jeffrey	Tue.	pm	2:00	Room 217 D	Theme 2: Microbial Carbonates: Modern and Ancient Analogs for Pre-salt Deposits
Slack, Maria	Tue.	am	P26	Exhibit Hall	Theme 3: Biomarker Applications in Petroleum Systems Analysis
Sleveland, Arve	Tue.	pm	3:45	Room 214 A	Theme 1: Paralic and Shallow Marine Systems: Process Variability and Impact on Reservoir Distribution and Architecture
Slotnick, Benjamin	Wed.	am	8:25	Room 214 D	Theme 3: From Pores to Production: Unraveling Fluid Dynamics on Their Journey to the Surface
Slotnick, Benjamin	Wed.	pm	3:10	Room 217 D	Theme 1: Innovation and Technology in Biostratigraphy for Challenging Times
Smart, Kevin	Tue.	pm	P40	Exhibit Hall	Theme 4: Structure and Geomechanics of Unconventional Plays
Smith, Langhorne	Mon.	pm	3:45	Room 217 D	Theme 5: Unconventional Plays: Appalachians, Rockies, and Midcontinent
Smith, Langhorne	Tue.	pm	P85	Exhibit Hall	Theme 5: Unconventional Reservoir Characterization I
Smith, Sebastian	Wed.	am	P68	Exhibit Hall	AAPG Student Research Poster Session II
Smye, Katie	Mon.	am	11:30	Room 217 A	Theme 1: Deep-water Systems Architecture: From Controls to Characterization
Smye, Katie	Tue.	am	P83	Exhibit Hall	Theme 6: Induced Seismicity and Water Management
Snedden, John	Mon.	am	P67	Exhibit Hall	Theme 1: Interaction Between Sedimentation and Tectonics II
Socorro, Jander	Wed.	am	P70	Exhibit Hall	AAPG Student Research Poster Session II
Soltero, Alondra	Tue.	am	P46	Exhibit Hall	Theme 4: Special Session on Salt Tectonics in Memory of Martin Jackson III
Somerville, David	Mon.	am	P52	Exhibit Hall	Theme 1: Interaction Between Sedimentation and Tectonics I
Song, Benbiao	Tue.	pm	P24	Exhibit Hall	Theme 2: Carbonates: Depositional Models II
Song, Licai	Wed.	am	P15	Exhibit Hall	Theme 5: International Unconventional Plays
Sonnenberg, Stephen	Tue.	am	P93	Exhibit Hall	Theme 5: Unconventional Reservoir Technology
Sonnenberg, Stephen	Tue.	pm	P96	Exhibit Hall	Theme 5: Unconventional Reservoir Characterization II
Sorenson, Raymond	Sun.	pm	12:00	Room 217 D	Step Changes in Petroleum Geology: Historical Challenges and Technological Breakthroughs

Soto, Juan	Mon.	am	P29	Exhibit Hall	Theme 4: Special Session on Salt Tectonics in Memory of Martin Jackson I
Soutter, Euan	Wed.	am	P66	Exhibit Hall	AAPG Student Research Poster Session II
Speed, Cole	Mon.	am	P73	Exhibit Hall	Theme 1: Continental Depositional Environments: Reservoir Prediction From Multiple Scale Analysis
Steeves, Blake	Mon.	pm	P68	Exhibit Hall	Theme 3: Source Rock Depositional Environments
Stein, Holly	Mon.	pm	P80	Exhibit Hall	Theme 3: Source Rock Depositional Environments
Stewart, Iain	Tue.	pm	3:30	Room 213 A/B	DEG Special Session: Environmental Impact and Sustainability
Stewart, Simon	Tue.	pm	P57	Exhibit Hall	Theme 4: Modeling of Structural and Geomechanical Processes
Stieffel, Rodney	Wed.	am	P50	Exhibit Hall	Theme 1: Innovation and Technology in Biostratigraphy for Challenging Times
Stine, Jonathan	Tue.	am	P52	Exhibit Hall	Theme 4: Special Session on Salt Tectonics in Memory of Martin Jackson III
Stockli, Daniel	Mon.	pm	4:25	Room 217 B/C	Theme 2: Permian Basin Source to Sink Sedimentology and Stratigraphy
Stodden, Lexie	Wed.	am	P76	Exhibit Hall	AAPG Student Research Poster Session II
Stoneburner, Dick	Wed.	pm	1:20	Hemisfair Ballroom I	Theme 10: Financing
Su, Kai	Tue.	pm	P61	Exhibit Hall	Theme 4: Modeling of Structural and Geomechanical Processes
Su, Yang	Mon.	pm	P69	Exhibit Hall	Theme 3: Source Rock Depositional Environments
Summons, Roger	Mon.	am	10:30	Room 214 D	Theme 3: Geochemistry Applications in Petroleum Systems Characterization
Sun, Shaoqing	Wed.	pm	1:40	Room 214 D	Theme 8: The Digital Transformation in the Geosciences
Sun, Xun	Mon.	am	8:05	Room 214 D	Theme 3: Geochemistry Applications in Petroleum Systems Characterization
Sun, Zhongheng	Wed.	am	P37	Exhibit Hall	Theme 1: New Advances in Mature Basins
Sun, Zhongqiang	Mon.	pm	P62	Exhibit Hall	Theme 1: Paralic and Shallow Marine Systems II: Process Variability and Impact on Reservoir Distribution and Architecture
Swanson, Travis	Wed.	am	10:50	Room 217 D	Theme 1: Aeolian System Dynamics: What Have We Learned in the Last 50 Years?
Swarbrick, Richard	Tue.	am	10:10	Room 214 D	Theme 3: Hydrocarbon Migration and Charge Risk Assessment
Sweet, Michael	Tue.	am	10:50	Room 217 A	Theme 1: Source to Sink
Sylta, Oyvind	Tue.	am	10:30	Room 214 D	Theme 3: Hydrocarbon Migration and Charge Risk Assessment
Sylvester, Paul	Wed.	pm	2:40	Room 217 A	Theme 9: New Global Exploration and Play Concepts
Sylvester, Zoltan	Tue.	am	8:00	Hemisfair Ballroom I	SEPM Research Symposium I: A Look Into the Future of Energy and Sustainability Using the Sedimentary Record
Szymanski, Eugene	Tue.	am	10:10	Room 214 A	Theme 8: Multi-Disciplinary Integration for Subsurface Efforts in the Age of Big Data
Tamborello, Brittney	Tue.	pm	1:40	Room 214 D	Theme 3: Integrated Workflows in Petroleum Systems Modeling
Tang, David	Wed.	am	P92	Exhibit Hall	Theme 8: Application of Machine Learning to Imaging
Tang, Xuan	Tue.	pm	P89	Exhibit Hall	Theme 5: Unconventional Reservoir Characterization I
Tatum, Dominic	Wed.	am	8:45	Room 217 D	Theme 1: Aeolian System Dynamics: What Have We Learned in the Last 50 Years?
Taylor, Ross	Mon.	pm	2:20	Room 217 D	Theme 5: Unconventional Plays: Appalachians, Rockies, and Midcontinent
Tedesco, Steven	Wed.	pm	3:50	Hemisfair Ballroom I	Theme 10: Financing
Tek, Daniel	Mon.	am	P17	Exhibit Hall	SEPM Student Research Poster Session I
Tenaglia, Max	Wed.	am	P12	Exhibit Hall	Theme 5: International Unconventional Plays
Teoh, Chia Pei	Tue.	am	P8	Exhibit Hall	Theme 2: Carbonates: Fractures and Karst
Thebault, Alcide	Tue.	pm	P80	Exhibit Hall	Theme 1: Source to Sink II
Thomas, Garen	Mon.	am	11:30	Room 214 A	Theme 9: Planetary Geology and Energy Frontiers
Thompson, Ian	Tue.	am	8:45	Room 217 D	Theme 2: Depositional Models for Carbonate and Evaporite Systems
Thompson-Butler, William	Mon.	am	10:50	Room 214 D	Theme 3: Geochemistry Applications in Petroleum Systems Characterization
Thurmond, John	Tue.	am	10:30	Hemisfair Ballroom I	SEPM Research Symposium I: A Look Into the Future of Energy and Sustainability Using the Sedimentary Record
Tian, Derui	Mon.	pm	P79	Exhibit Hall	Theme 3: Source Rock Depositional Environments
Tian, Derui	Tue.	am	P32	Exhibit Hall	Theme 3: Biomarker Applications in Petroleum Systems Analysis

T

PRESENTER CROSS REFERENCE

Tian, Fei	Mon.	am	8:45	Room 213 A/B	Theme 7: Integration of Geology and Geophysics	
Tian, Fei	Mon.	pm	P99	Exhibit Hall	Theme 8: Multi-Disciplinary Integration for Subsurface Efforts in the Age of Big Data	
Tian, Fei	Wed.	pm	4:30	Room 213 A/B	Theme 7: Near the Well and Beyond: Petrophysics, Rock Physics, and Hydraulic Fractures	
Tillmans, Fabian	Mon.	am	P3	Exhibit Hall	AAPG Student Research Poster Session I	
Tilton, Jeff	Tue.	am	P60	Exhibit Hall	Theme 1: Deep-water Sedimentology	
Timmer, Eric	Wed.	am	11:10	Room 217 A	Theme 1: Applied Ichology: In Honor of George Pemberton	
Torelli, Martina	Mon.	pm	P81	Exhibit Hall	Theme 3: Source Rock Depositional Environments	
Torres Parada, Emilio	Wed.	pm	2:20	Room 217 B/C	Theme 5: Advances in Unconventional Reservoir Characterization III: Predictive Technologies	
Torres, Ricardo	Mon.	pm	P39	Exhibit Hall	Theme 1: Circum-Gulf of Mexico Clastic Systems	
Treviño, April	Mon.	pm	4:05	Room 214 A	Theme 1: Fluvial and Deltaic Depositional Environments: Reservoir Characterization and Prediction From Multiple Scale Analysis	
Tsutsui, Kosuke	Wed.	pm	3:30	Room 214 B/C	Theme 4: Characterizing Brittle Deformation and Its Impact on Reservoirs	
U	Ul Haq, Ehsan	Tue.	am	P66	Exhibit Hall	Theme 1: Deep-water Sedimentology
Unger, Mike	Tue.	pm	P6	Exhibit Hall	Theme 7: Geophysics: Beyond Seismic Methods	
Uzio, Jordy	Mon.	pm	P2	Exhibit Hall	Theme 5: Analytical Techniques for Unconventional Reservoirs	
V	Vaisblat, Noga	Wed.	pm	3:10	Room 217 B/C	Theme 5: Advances in Unconventional Reservoir Characterization III: Predictive Technologies
Vakarelov, Boyan	Mon.	am	P74	Exhibit Hall	Theme 1: Continental Depositional Environments: Reservoir Prediction From Multiple Scale Analysis	
Vakarelov, Boyan	Tue.	pm	3:25	Room 214 A	Theme 1: Paralic and Shallow Marine Systems: Process Variability and Impact on Reservoir Distribution and Architecture	
Vallabhaneni, Sridharan	Wed.	pm	2:20	Room 214 D	Theme 8: The Digital Transformation in the Geosciences	
van der Kolk, Dolores	Mon.	pm	P66	Exhibit Hall	Theme 3: Source Rock Depositional Environments	
Van Der Loop, Mary	Tue.	am	8:45	Room 217 B/C	Theme 5: Permian Basin Unconventionals	
van Yperen, Anna	Mon.	am	P20	Exhibit Hall	SEPM Student Research Poster Session I	
Vardy, Carlos	Wed.	pm	2:40	Room 217 B/C	Theme 5: Advances in Unconventional Reservoir Characterization III: Predictive Technologies	
Vaughan, Alan	Wed.	am	10:10	Room 214 B/C	Theme 4: Modeling of Structural and Geomechanical Processes	
Velko, Garrett	Wed.	am	P97	Exhibit Hall	Theme 5: Unconventional Plays: Appalachians, Rockies, and Midcontinent	
Venieri, Marco	Tue.	am	P97	Exhibit Hall	Theme 5: Unconventional Reservoir Technology	
Vicens, Guillem	Tue.	pm	P27	Exhibit Hall	Theme 2: Carbonates: Depositional Models II	
Vital Brazil, Emilio	Tue.	am	P98	Exhibit Hall	Theme 8: New Applications of Machine Learning to Subsurface Science	
W	Wahbi, Abdullah	Tue.	pm	P73	Exhibit Hall	Theme 1: Source to Sink II
Waid, Christopher	Tue.	am	8:45	Room 213 A/B	Theme 6: Sustainability and Carbon	
Walker, Christopher	Tue.	am	11:30	Room 213 A/B	Theme 6: Sustainability and Carbon	
Walker, Wylie	Mon.	am	P43	Exhibit Hall	Theme 2: Carbonate Mixed Systems	
Walters, Miranda	Wed.	am	P43	Exhibit Hall	Theme 1: Innovation and Technology in Biostratigraphy for Challenging Times	
Walters, Miranda	Wed.	am	P98	Exhibit Hall	Theme 5: Unconventional Plays: Appalachians, Rockies, and Midcontinent	
Wang, Feiyu	Mon.	pm	P64	Exhibit Hall	Theme 3: Source Rock Depositional Environments	
Wang, Guangzeng	Wed.	am	P56	Exhibit Hall	Theme 4: Global Perspectives on Compressional Deformation	
Wang, Heng	Tue.	am	11:10	Room 213 A/B	Theme 6: Sustainability and Carbon	
Wang, Heng	Wed.	am	P5	Exhibit Hall	Theme 6: Sustainability and Carbon	
Wang, Hongqiu	Mon.	am	11:10	Room 213 A/B	Theme 7: Integration of Geology and Geophysics	
Wang, Jun	Mon.	pm	P14	Exhibit Hall	Theme 9: New Global Exploration and Play Concepts	
Wang, Qiqi	Mon.	am	P85	Exhibit Hall	Theme 4: Characterizing Brittle Deformation and Its Impact on Reservoirs	
Wang, Weifang	Wed.	am	P74	Exhibit Hall	AAPG Student Research Poster Session II	
Wang, Ya	Tue.	pm	P35	Exhibit Hall	Theme 8: The Digital Transformation in the Geosciences	
Wang, Zhao	Mon.	am	P81	Exhibit Hall	Theme 4: Characterizing Brittle Deformation and Its Impact on Reservoirs	
Wang, Zhuobo	Tue.	pm	P7	Exhibit Hall	Theme 7: Geophysics: Beyond Seismic Methods	
Wavrek, David	Mon.	pm	P8	Exhibit Hall	Theme 5: Analytical Techniques for Unconventional Reservoirs	

Webb, Nathan	Wed.	am	P32	Exhibit Hall	Theme 1: New Advances in Mature Basins
Weber, Ryan	Mon.	pm	P97	Exhibit Hall	Theme 8: Multi-Disciplinary Integration for Subsurface Efforts in the Age of Big Data
Wei, Siyuan	Mon.	am	P65	Exhibit Hall	Theme 1: Interaction Between Sedimentation and Tectonics II
Wei, Yang	Mon.	pm	P23	Exhibit Hall	Theme 9: New Global Exploration and Play Concepts
Wei, Zhoutuo	Mon.	am	10:10	Room 213 A/B	Theme 7: Integration of Geology and Geophysics
Wen, Tailai	Wed.	pm	1:20	Room 214 D	Theme 8: The Digital Transformation in the Geosciences
Wensong, Huang	Mon.	pm	P95	Exhibit Hall	Theme 8: Multi-Disciplinary Integration for Subsurface Efforts in the Age of Big Data
West, Logan	Wed.	am	P83	Exhibit Hall	SEPM Student Research Poster Session II
Wethington, Conn	Tue.	am	10:30	Room 213 A/B	Theme 6: Sustainability and Carbon
Whidden, Katherine	Mon.	pm	P15	Exhibit Hall	Theme 9: New Global Exploration and Play Concepts
Whittaker, Fiona	Mon.	am	9:05	Hemisfair Ballroom I	Theme 2: Characterizing Fracture and Karst Porosity and Permeability
Whittaker, Richard	Mon.	am	10:30	Room 214 B/C	Theme 4: Global Studies of Extensional and Passive Margins
Whittaker, Richard	Mon.	pm	P86	Exhibit Hall	Theme 4: Global Perspectives on Extensional Deformation
Whittaker, Stefanie	Wed.	am	11:10	Room 217 B/C	Theme 5: Eagle Ford and Austin Chalk Unconventional Plays
Wilkins, Scott	Tue.	am	11:30	Room 214 B/C	Theme 4: Compressional Environments: Trap to Basin
Willbern, Arienne	Wed.	pm	3:30	Hemisfair Ballroom I	Theme 10: Financing
Willette, Donna	Tue.	am	P24	Exhibit Hall	Theme 3: Biomarker Applications in Petroleum Systems Analysis
Williams, Ryan	Mon.	am	9:05	Room 213 A/B	Theme 7: Integration of Geology and Geophysics
Williams-Stroud, Sherilyn	Wed.	am	10:30	Room 214 B/C	Theme 4: Modeling of Structural and Geomechanical Processes
Willis, Brian	Mon.	pm	P45	Exhibit Hall	Theme 1: Paralic and Shallow Marine Systems I: Process Variability and Impact on Reservoir Distribution and Architecture
Wilson, Edith	Mon.	am	10:50	Room 214 A	Theme 9: Planetary Geology and Energy Frontiers
Wilson, Julie	Tue.	pm	1:40	Room 217 A	Theme 10: Opportunity Valuation
Wilson, Ryan	Mon.	pm	2:00	Room 217 B/C	Theme 2: Permian Basin Source to Sink Sedimentology and Stratigraphy
Wilson, Ryan	Mon.	pm	3:25	Room 217 D	Theme 5: Unconventional Plays: Appalachians, Rockies, and Midcontinent
Winsten, Miriam	Tue.	pm	4:20	Room 213 A/B	DEG Special Session: Environmental Impact and Sustainability
Winter, Rene	Mon.	pm	P40	Exhibit Hall	Theme 1: Circum-Gulf of Mexico Clastic Systems
Wolanski, Krzysztof	Wed.	am	P36	Exhibit Hall	Theme 1: New Advances in Mature Basins
Wood, Lesli	Tue.	am	11:10	Room 217 A	Theme 1: Source to Sink
Worden, Richard	Wed.	pm	2:20	Room 214 A	Theme 1: Diagenesis and Rock Property Trends in Siliciclastics
Worden, Richard	Wed.	pm	4:10	Room 214 A	Theme 1: Diagenesis and Rock Property Trends in Siliciclastics
Worms, Swiad	Mon.	am	P71	Exhibit Hall	Theme 1: Continental Depositional Environments: Reservoir Prediction From Multiple Scale Analysis
Wren, William	Tue.	am	P86	Exhibit Hall	Theme 6: Induced Seismicity and Water Management
Wright, Shawn	Wed.	pm	3:50	Room 217 B/C	Theme 5: Advances in Unconventional Reservoir Characterization III: Predictive Technologies
Wright, Victor	Tue.	am	10:50	Room 217 D	Theme 2: Depositional Models for Carbonate and Evaporite Systems
Wroblewski, Anton	Wed.	am	P48	Exhibit Hall	Theme 1: Innovation and Technology in Biostratigraphy for Challenging Times
Wu, Tengfei	Mon.	am	P27	Exhibit Hall	SEPM Student Research Poster Session I
Wust, Raphael	Tue.	pm	2:20	Room 214 D	Theme 3: Integrated Workflows in Petroleum Systems Modeling
Xiao, Yuchen	Tue.	am	P78	Exhibit Hall	Theme 6: Induced Seismicity and Water Management
Xu, Shaochuan	Wed.	am	11:10	Room 214 B/C	Theme 4: Modeling of Structural and Geomechanical Processes
Xu, Wei	Wed.	pm	1:40	Room 217 D	Theme 1: Innovation and Technology in Biostratigraphy for Challenging Times
Xu, Weixin	Mon.	pm	P92	Exhibit Hall	Theme 8: Multi-Disciplinary Integration for Subsurface Efforts in the Age of Big Data
Xu, Xiaoyong	Tue.	am	P76	Exhibit Hall	Theme 1: Deep-water Systems: Currents and Resulting Fine(r)-grained Deposits
Yan, Na	Mon.	am	P68	Exhibit Hall	Theme 1: Interaction Between Sedimentation and Tectonics II
Yan, Na	Mon.	am	P69	Exhibit Hall	Theme 1: Continental Depositional Environments: Reservoir Prediction From Multiple Scale Analysis



PRESENTER CROSS REFERENCE

Yang, Rui	Wed.	am	P19	Exhibit Hall	Theme 5: International Unconventional Plays
Yawar, Zalmai	Mon.	pm	4:25	Room 217 A	Theme 1: Deep-water Process Stratigraphy
Yee, Denise	Mon.	pm	P22	Exhibit Hall	Theme 9: New Global Exploration and Play Concepts
Yin, Shiyao	Mon.	pm	P104	Exhibit Hall	Theme 1: Reservoir Quality and Rock Property Trends
Yuan, Qingwang	Tue.	pm	3:25	Room 214 D	Theme 3: Integrated Workflows in Petroleum Systems Modeling
Yurchenko, Inessa	Tue.	pm	2:00	Room 214 D	Theme 3: Integrated Workflows in Petroleum Systems Modeling
Zahm, Christopher	Mon.	am	11:10	Hemisfair Ballroom I	Theme 2: Characterizing Fracture and Karst Porosity and Permeability
Zahm, Christopher	Mon.	pm	3:25	Room 217 B/C	Theme 2: Permian Basin Source to Sink Sedimentology and Stratigraphy
Zalan, Pedro	Wed.	pm	1:40	Room 217 A	Theme 9: New Global Exploration and Play Concepts
Zanella, Alain	Tue.	pm	P45	Exhibit Hall	Theme 4: Structure and Geomechanics of Unconventional Plays
Zang, Yanbin	Tue.	am	P85	Exhibit Hall	Theme 6: Induced Seismicity and Water Management
Zarra, Larry	Mon.	pm	P35	Exhibit Hall	Theme 1: Circum-Gulf of Mexico Clastic Systems
Zeng, Zhiwei	Tue.	pm	P71	Exhibit Hall	Theme 1: Source to Sink I
Zhai, Rui	Mon.	am	P45	Exhibit Hall	Theme 2: Carbonate Mixed Systems
Zhang, Hualing	Wed.	am	P65	Exhibit Hall	AAPG Student Research Poster Session II
Zhang, Jing	Mon.	pm	P32	Exhibit Hall	Theme 7: Integration of Geology and Geophysics
Zhang, Jing	Tue.	pm	P44	Exhibit Hall	Theme 4: Structure and Geomechanics of Unconventional Plays
Zhang, Jinyu	Mon.	pm	1:20	Room 214 A	Theme 1: Fluvial and Deltaic Depositional Environments: Reservoir Characterization and Prediction From Multiple Scale Analysis
Zhang, Jinyu	Mon.	pm	P38	Exhibit Hall	Theme 1: Circum-Gulf of Mexico Clastic Systems
Zhang, Jinyu	Mon.	pm	P63	Exhibit Hall	Theme 1: Paralic and Shallow Marine Systems II: Process Variability and Impact on Reservoir Distribution and Architecture

UNCONVENTIONAL
RESOURCES TECHNOLOGY CONFERENCE
FUELED BY SPE • AAPG • SEG

Denver, Colorado | 22-24 July 2019

REGISTER NOW AND SAVE BIG!

The integrated event for unconventional resource teams

With record-breaking attendance, more than 300 packed technical presentations, and an incredible industry response at URTeC 2018, there is no doubt that the sixth edition of URTeC was an overwhelming success.

URTeC 2019 in Denver looks to push the boundaries and continue as the **premier event focused on the latest science and technology** applied to exploration and development of unconventional resources.

URTeC unites the disciplines by bringing the **entire asset team together under one roof** to connect on all things unconventional.

This combination of the world's leading professional societies has brought both depth and breadth to the technical base of the conference, which has attributed to the URTeC's collaborative platform and innovation exchange sustaining and propelling our industry's ongoing success.

Exhibition and Sponsorship

This is a truly unique opportunity to see the entire resource team at once and make your sale to every stakeholder. No other event can offer this perfect mix of decision makers and influencers.

In 2018, URTeC sold out two months before the event. **Order now before all the opportunities are gone.**



Now with
a midstream
session!

Book your sponsorship and exhibit space today!



Mike Taylor
Companies A-K
+1 918.630.5672
mtaylor@aapg.org



Tracy Thompson
Companies L-Z
+1 918.560.9414
tthompson@urtec.org

Sponsoring Organizations:



REGISTER TODAY AT URTeC.org/2019

Zhang, Jinyu	Tue.	am	9:05	Room 217 A	Theme 1: Source to Sink
Zhang, Jinyu	Tue.	pm	P78	Exhibit Hall	Theme 1: Source to Sink II
Zhang, Li	Mon.	pm	P103	Exhibit Hall	Theme 1: Reservoir Quality and Rock Property Trends
Zhang, Li	Tue.	pm	P22	Exhibit Hall	Theme 2: Carbonates: Depositional Models II
Zhang, Pengyun	Wed.	pm	1:40	Room 213 A/B	Theme 7: Near the Well and Beyond: Petrophysics, Rock Physics, and Hydraulic Fractures
Zhang, Pengzhi	Mon.	pm	P29	Exhibit Hall	Theme 7: Integration of Geology and Geophysics
Zhang, Qiang	Wed.	am	P58	Exhibit Hall	Theme 4: Global Perspectives on Compressional Deformation
Zhang, Tongwei	Tue.	am	10:30	Room 217 B/C	Theme 5: Permian Basin Unconventionals
Zhang, Xiaoqing	Wed.	am	P57	Exhibit Hall	Theme 4: Global Perspectives on Compressional Deformation
Zhang, YuanZe	Mon.	am	8:45	Room 214 B/C	Theme 4: Global Studies of Extensional and Passive Margins
Zhang, Yuying	Tue.	pm	P83	Exhibit Hall	Theme 1: Source to Sink II
Zhang, Zhijie	Tue.	am	P74	Exhibit Hall	Theme 1: Deep-water Systems: Currents and Resulting Fine(r)-grained Deposits
Zhang, Zhiyao	Mon.	am	P4	Exhibit Hall	AAPG Student Research Poster Session I
Zhao, Kai	Mon.	am	P6	Exhibit Hall	AAPG Student Research Poster Session I
Zhao, Rui	Tue.	pm	4:45	Room 214 A	Theme 1: Paralic and Shallow Marine Systems: Process Variability and Impact on Reservoir Distribution and Architecture
Zheng, Charlie Y. C.	Mon.	am	P23	Exhibit Hall	SEPM Student Research Poster Session I
Zheng, Xiaoli	Wed.	am	P59	Exhibit Hall	Theme 4: Global Perspectives on Compressional Deformation
Zhong, Zhi	Mon.	pm	P100	Exhibit Hall	Theme 6: Carbon Storage
Zhong, Zhi	Mon.	pm	P101	Exhibit Hall	Theme 6: Carbon Storage
Zhong, Zhi	Tue.	pm	P33	Exhibit Hall	Theme 8: The Digital Transformation in the Geosciences
Zhong, Zhi	Wed.	am	P7	Exhibit Hall	Theme 6: Sustainability and Carbon
Zhou, Chuanmin	Tue.	am	P69	Exhibit Hall	Theme 1: Deep-water Systems: Currents and Resulting Fine(r)-grained Deposits
Zhou, Haolin	Tue.	am	P89	Exhibit Hall	Theme 5: Unconventional Reservoir Technology
Zinecker, Marcus	Wed.	am	P73	Exhibit Hall	AAPG Student Research Poster Session II
Zoback, Mark	Wed.	pm	1:20	Room 217 B/C	Theme 5: Advances in Unconventional Reservoir Characterization III: Predictive Technologies
Zonneveld, John-Paul	Wed.	am	9:05	Room 217 A	Theme 1: Applied Ichology: In Honor of George Pemberton
Zweidler, Daniel	Tue.	pm	1:20	Room 217 A	Theme 10: Opportunity Valuation



SAVE THE DATE

Room Assignments and Floor Plans

Room Assignments

Committee Business Meetings

Convention Center Floor Plans

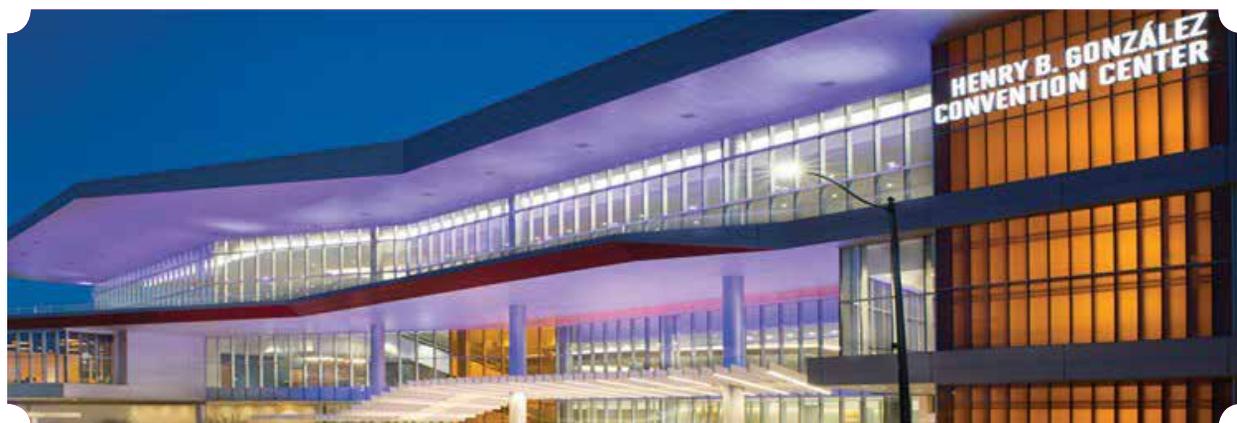
Grand Hyatt San Antonio Floor Plan



ROOM ASSIGNMENTS

All events will be held at the Henry B. Gonzalez Convention Center unless otherwise noted.

AAPG Center	Exhibit Hall 3/4A, Booth 1629
AAPG Information	Registration Area, Main Lobby
AAPG Volunteer Check-In	Room 212
AAPG/SEPM Student Reception	Grand Hyatt San Antonio, Lone Star Ballroom D/E/F
All-Alumni Reception	Grand Hyatt San Antonio, Lone Star Ballroom A
All-Convention Luncheon	Hemisfair Ballroom 2/3
Business Center	Near Main Lobby Entrance
Career Center	Room 006 A
DEG/EMD Luncheon	Room 006 B/C/D
DPA Luncheon	Room 006 B/C/D
End-of-Day Receptions	Exhibit Hall 3/4A
Exhibition	Exhibit Hall 3/4A
Exhibitor Sales Office and Rebooking Lounge	Exhibit Hall 3/4A
Guest Hospitality Suite	Grand Hyatt San Antonio, Bowie B
Wi-Fi Hot Spot	Exhibit Hall 3/4A, Booth 1319
Icebreaker Reception	Exhibit Hall 3/4A
Imperial Barrel Award (IBA) Ceremony	Hemisfair Ballroom 2/3
Imperial Barrel Award (IBA) Competition	Room 213
International Pavilion	Exhibit Hall 3/4A
Judges Room	Room 212
Luggage Check	Main Lobby
Medical Services / First Aid	Behind Escalators in Exhibit Hall 3
Mother's Room	Near Park View Registration
Opening Session and Awards Ceremony	Hemisfair Ballroom 2/3
Oral Sessions	Hemisfair Ballroom 1, Rooms 213, 214 A, 214 B/C, 214 D, 217 A, 217 B/C, 217 D
Media Lounge/Center	Exhibit Hall 3/4A, Booth 1219
Poster Sessions	Exhibit Hall 3/4A
Refreshment Breaks	Exhibit Hall 3/4A
Registration	Main Lobby
SEPM Business Meeting/Luncheon	Room 007 A/B/C
SEPM President's Reception and Awards Ceremony	Marriott Riverwalk, Alamo Ballroom Salons D/E/F
SEPM Research Groups Marriott	Riverwalk various rooms
Speaker Service Center	Room 212
Student Career Seminar	Grand Hyatt San Antonio, Lone Star Ballroom B
Student and Faculty Lounge	Exhibit Hall 3/4A, Booth 1449
Young Professionals Meet & Greet	Tower View Registration



COMMITTEE BUSINESS MEETINGS

AAPG – Meetings will be held on the second level of the Grand Hyatt San Antonio unless otherwise noted.			
Committee	Day	Time	Room
Friday			
AAPG Executive Committee	Friday	12:00 pm–5:00 pm	San Jacinto
Saturday			
AAPG Executive Committee	Saturday	8:00 am–12:00 pm	San Jacinto
DPA Council and Executive Committee	Saturday	8:00 am–12:00 pm	Lone Star Ballroom C
Short Course #4: Advanced Analytics – Machine Learning 101 (PROWESS)	Saturday	1:00 pm–5:00 pm	Bowie B
House of Delegates Leadership	Saturday	2:00 pm–5:00 pm	San Jacinto
EMD Executive Committee and Leadership	Saturday	3:00 pm–5:00 pm	Bowie C
DEG Executive Committee and Advisory Board	Saturday	3:00 pm–5:00 pm	Bowie A
AAPG House of Delegates/ PROWESS/DEG Networking Reception	Saturday	6:00 pm–7:30 pm	Lone Star Ballroom B/C
Sunday			
House of Delegates Meeting	Sunday	8:00 am	Lone Star Ballroom D/E/F
Interpretation Editorial Board	Sunday	10:00 am–12:00 pm	San Jacinto
Corporate Advisory Board	Sunday	11:00 am–2:00 pm	Lone Star Ballroom B
Charles Taylor Fellows	Sunday	12:30 pm–3:30 pm	Lone Star Ballroom C
Distinguished Lecture Committee	Sunday	1:00 pm–3:30 pm	Bowie C
Eastern Section of AAPG Council Meeting	Sunday	2:00 pm–4:00 pm	Henry B. Gonzalez Convention Center, Room 210 A/B
Monday			
Sunrise Yoga	Monday	6:30 am–7:30 am	Bowie A
History of Petroleum Geology	Monday	7:30 am–8:30 am	San Jacinto
Imperial Barrel Award Committee	Monday	8:00 am–10:00 am	Lone Star Ballroom A
AAPG Astrogeology Committee	Monday	1:00 pm–2:30 pm	Bowie C
Foundation Members of the Corporation and Trustees	Monday	1:30 pm–5:00 pm	Henry B. Gonzalez Convention Center, 207 A
Student Career Seminar	Monday	4:00 pm–6:00 pm	Lone Star Ballroom B
All-Alumni Reception	Monday	5:30 pm–7:30 pm	Lone Star Ballroom A
AAPG/SEPM Student Reception	Monday	6:00 pm–8:00 pm	Lone Star Ballroom D/E/F
Tuesday			
Sunrise Yoga	Tuesday	6:30 am–7:30 am	Bowie A
AAPG Mid-Continent Section	Tuesday	7:00 am–9:00 am	Lone Star Ballroom C
AAPG Preservation of Geoscience Data Committee	Tuesday	7:00 am–9:00 am	San Jacinto

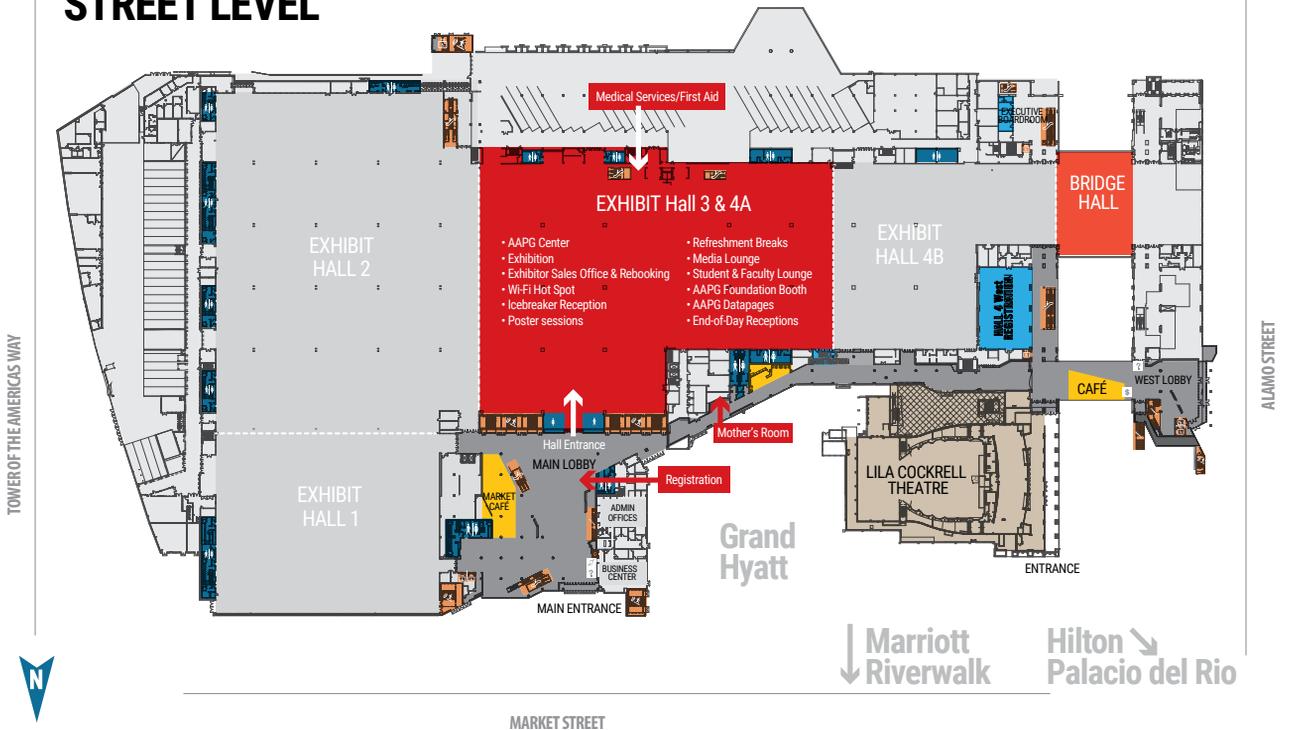
Tuesday			
Visiting Geoscientist SIG	Tuesday	7:30 am–9:00 am	Lone Star Ballroom A
Africa Region - Leadership Meeting	Tuesday	8:00 am–8:30 am	Lone Star Ballroom B
Africa Region - All Members Meeting	Tuesday	8:30 am–9:30 am	Lone Star Ballroom B
AAPG Field Safety Committee	Tuesday	2:00 pm–4:00 pm	San Jacinto
2019 ACE Wrap-Up Meeting	Tuesday	3:00 pm–4:00 pm	Bowie C
AAPG China Research Center	Tuesday	4:00 pm–6:00 pm	Bowie A
Latin America and Caribbean Region All-Member Meeting and Reception	Tuesday	5:30 pm–7:00 pm	Lone Star Ballroom C
Petroleum Structure and Geomechanics Division (PSGD)	Tuesday	5:30 pm–9:30 pm	Lone Star Ballroom B
Unconventional Research Group	Tuesday	7:00 pm–9:30 pm	Henry B. Gonzalez Convention Center, Room 214 A
Wednesday			
Sunrise Yoga	Wednesday	6:30 am–7:30 am	Bowie A
Global Events Oversight Committee	Wednesday	7:00 am–9:30 am	Lone Star Ballroom A
AAPG Advisory Council	Wednesday	2:00 pm–6:00 pm	Lone Star Ballroom A
Thursday			
AAPG Advisory Council	Thursday	8:00 am–5:00 pm	Republic A/B, 4th floor
SEPM Committee Meetings – Meetings will be held at the San Antonio Marriott Riverwalk unless otherwise noted.			
SEPM Council Meeting	Saturday	8:00 am–5:00 pm	Travis
NAMS Council Meeting	Sunday	3:00 pm–4:00 pm	Crockett
SEPM Foundation Reception	Tuesday	6:00 pm–7:00 pm	River Terrace Room & Patio
SEPM President's Reception	Tuesday	7:00 pm–9:00 pm	Alamo Ballroom Salons D/E/F
SEPM Research Groups – Meetings will be held at the San Antonio Marriott Riverwalk unless otherwise noted.			
Carbonate Research Group	Monday	7:00 pm–10:00 pm	Alamo Ballroom Salon C
Deepwater Research Group	Monday	7:00 pm–10:00 pm	Alamo Ballroom Salon D
NAMS Marine Micro Research Group	Monday	7:00 pm–10:00 pm	Bowie
Siliciclastic Diagenesis Research Group	Monday	7:00 pm–10:00 pm	Alamo Ballroom Salon A
Other Meetings – Meetings will be held at the Grand Hyatt San Antonio unless otherwise noted.			
AGI Executive Committee Meeting	Sunday	8:30 am–5:00 pm	Bowie B
AGI Member Society Council Meeting	Monday	8:00 am–11:30 am	Lone Star Ballroom C
AGI Leadership Reception	Monday	5:00 pm–7:00 pm	Bowie A

CONVENTION CENTER FLOOR PLANS

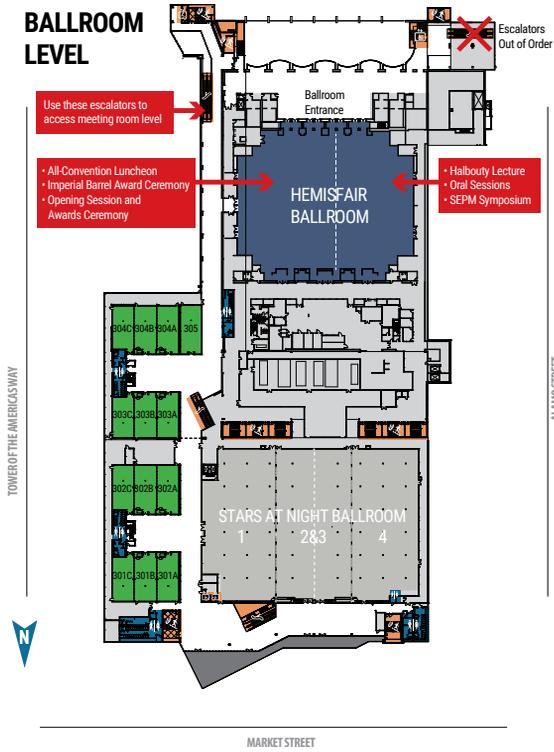
MEETING ROOM LEVEL



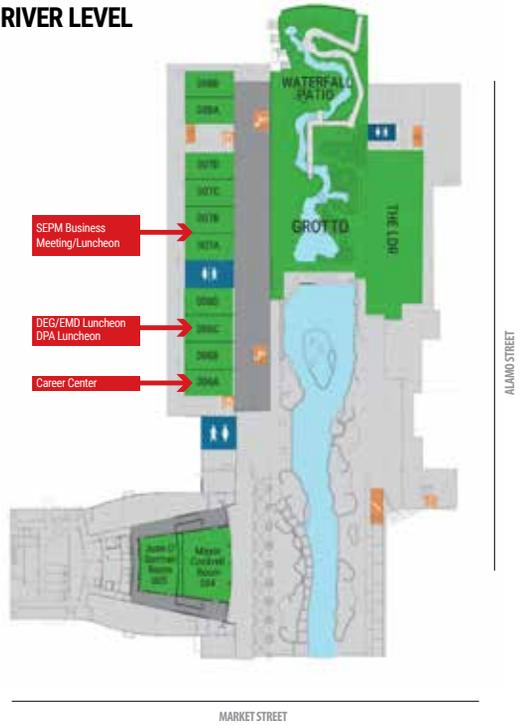
STREET LEVEL



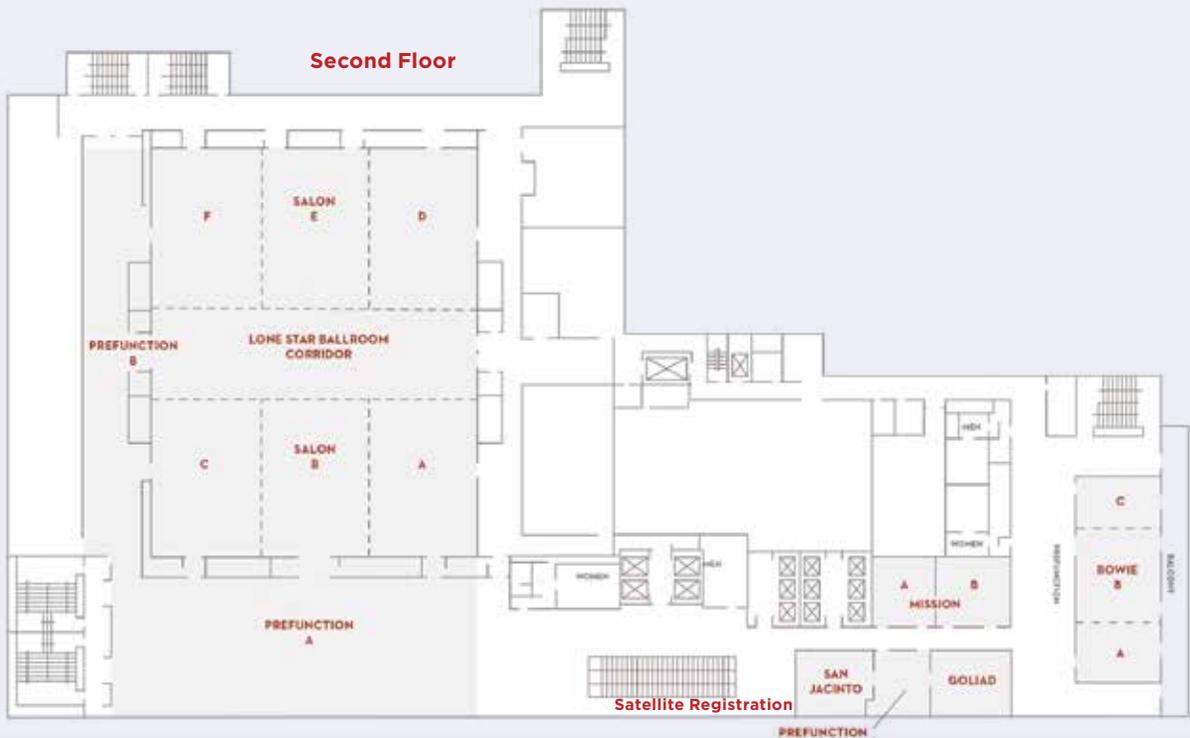
BALLROOM LEVEL



RIVER LEVEL



GRAND HYATT FLOOR PLAN



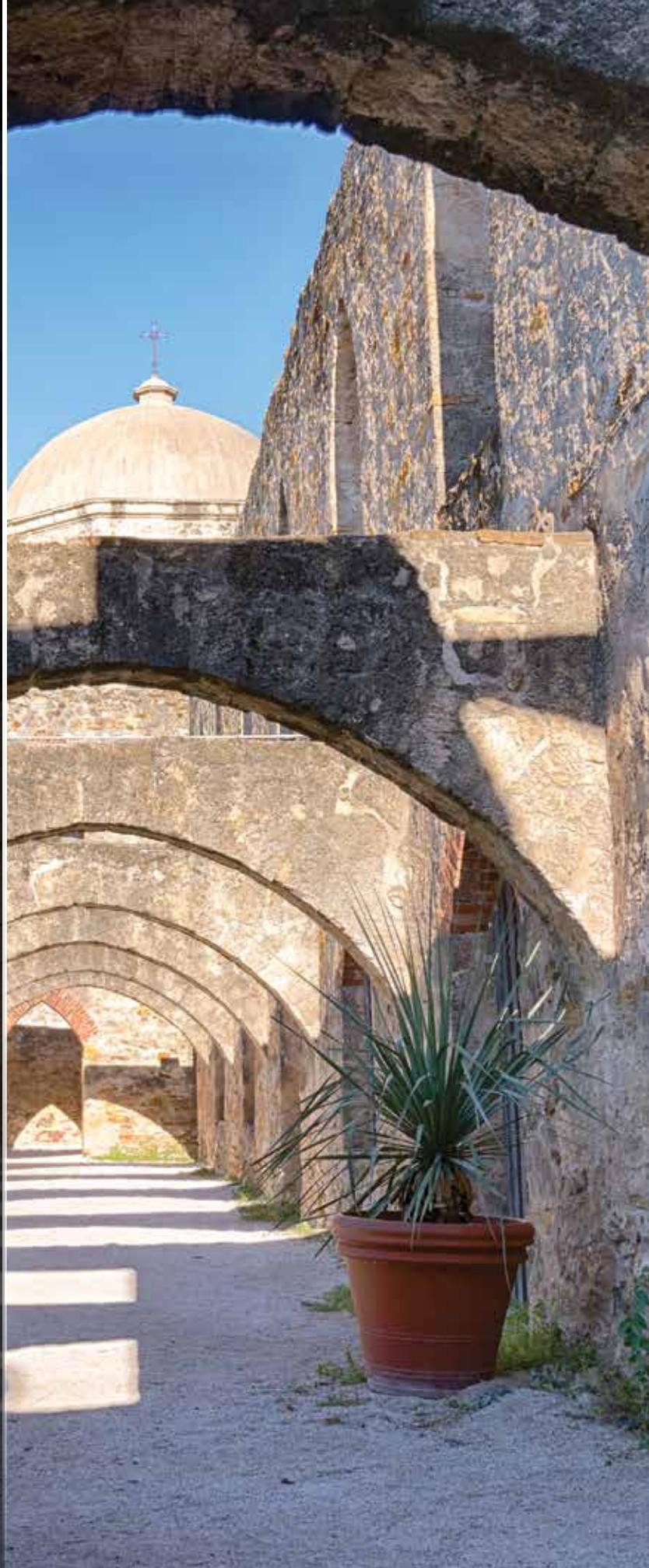
Exhibition Information

Exhibition Floor Plan

Exhibitors

Exhibitor Directory

Exhibitor Products and Services



EXHIBITORS

Abreu Consulting and Training - ACT-GEO . . .	547	Falkland Islands Government	138	Equatorial Guinea	118
Advanced Logic Technology sa (ALT)	923	Faroese Geological Survey	212	MJ Logs	304
Alaska Division of Geological and Geophysical Surveys	820	Field Geo Services, Inc.	308	MultiClient Geophysical AS (MCG)	237
Alaska Division of Oil and Gas	818	Flotek Industries	717	Nanoscience Instruments	813
ANCAP / Open Uruguay Round	139	Forestry Suppliers, Inc.	747	NAPE Expo	321
ANH - Agencia Nacional De Hidrocarburos . .	142	Fracture ID, Inc.	1450	National Petrographic Service, Inc.	931
Apatite.com Partners	1448	Future Geological Technologies, Inc.	1537	Natural Creations	1021
Association for Women Geoscientists	1546	GCAGS – Gulf Coast Association of Geological Societies	1019	Nautilus	516
Austin Geological Society	407	Gems & Crystals Unlimited	920	Neuralog, LP	329
Badley Geoscience, Ltd.	402	GEO 2020	211	Newfoundland and Labrador	226
Barbados Ministry of Energy & Water Resources	141	GEO ExPro (GeoPublishing Limited))	303	Nova Scotia Department of Energy and Mines	129
Basin Dynamics, LLC	707	GeoCare Benefits Group Insurance	1220	NRGX Technologies Ltd.	647
Baylor University Department of Geosciences	1047	Geochemical Insight	243	Occidental Petroleum Corporation	613
Beicip, Inc.	822	GeoEdges, Inc.	523	Oklahoma City Geological Society	1121
Bell Geospace, Inc.	1345	Geoex, Ltd.	237	Oklahoma Geological Survey	549
BGP, Inc.	1027	GeoFrontiers Corporation	550	Oklahoma State University	448
BHL Boresight and BHL Consulting	1442	Geo-Link, Inc.	1325	ONHYM - Kingdom of Morocco	126
Bight Petroleum Corp.	449	Geologic Data Systems	520	Paleo Minerals Company	318
Bruker Nano, Inc.	709	GeoMark Research	1336	Paleo-Data, Inc.	1051
Bureau of Ocean Energy Management (BOEM)	1544	Geo-Microbial Technologies	324	PDS Group	1145
C&C Reservoirs	515	GeoPartners, Ltd.	113	Perupetro S.A.	117
Cabra Consulting Ltd.	912	Geo-Steering Solutions, Inc.	420	PetroCubic	1344
Cabral Energy	718	GeoTeric	720	Petroleum Commission, Ghana	109
Cambridge University Press	322	Getech, Inc.	447	Petroleum Corporation of Jamaica	143
Canamera Coring	342	Government of Greenland, The Ministry of Industry and Energy	210	Petroleum Directorate of Sierra Leone	125
CGG	527	Halliburton	936	Petroleum Experts Ltd. UK	337
Chemostrat International	225	Hart Energy	521	PetroSeychelles	145
Chemostrat, Inc.	749	Houston Geological Society	819	PetroSkills	417
China University of Petroleum (Beijing) . . .	1520	HSI Geosciences	946	PetroStrat	223
China University of Petroleum (East China) .	548	iBall Instruments, LLC	850	Petrosys USA, Inc.	621
Chinook Consulting Services	1324	iCore Group, Inc.	646	PGS	437
Colorado School of Mines	551	IFP Energies nouvelles (IFPEN)	347	Philippine Department of Energy	206
Columbine Logging	1424	IHS Markit	427	Platte River Associates, Inc.	444
Cordax Evaluation Technologies	848	IKON Mining & Exploration	411	Polarcus US, Inc.	927
Core Laboratories	505	Ikon Science/Fairfield Geotechnologies . .	605	Polish Geological Institute - NRI	110
Corescan	620	Imaging Systems Group	414	PoroTechnology	821
dGB Earth Sciences	1043	Impac Exploration Services	701	Premier Oilfield Group	229
DigiM Solution, LLC	205	Imperial College London	716	Quantum Analytics	929
Digital Formation	424	INP - National Petroleum Institute	122	Raptor Consulting, Inc.	410
Dino-Lite Scopes	442	Interactive Geology Program	1349	Red Rio Petroleum	213
Dolan Integration Group, LLC	245	International Pavilion Theater	133	Refine Energy Services/AJ Environmental Consulting, Inc.	219
Drillinginfo, Inc.	1429	ION	1036	Reservoir Group	1636
EAGE – European Association of Geoscientists and Engineers	209	Ireland, Petroleum Affairs	238	Rigaku	1224
Earth Signal Processing Ltd.	343	Journal of Natural Gas Geoscience (JNGGS)	1422	Riley Geological Consultants, Inc.	1247
Easy Copy Company	316	KeAi Publishing	217	Rock Flow Dynamics	1148
EDCON-PRJ, Inc.	1120	Keele University	349	Rockwell Consulting Ltd.	745
EDGE Systems	614	King Canyon Buffalo, Inc.	421	Rocky Mountain Association of Geologists	1222
EGI – Energy & Geoscience Institute	511	King Fahd University Petroleum & Minerals	1524	ROGII, Inc.	1329
Elementar Americas	1444	Komodo Dragon	1046	RPS	516
Eliis	1328	Lebanese Petroleum Administration	222	Saudi Aramco	537
Elsevier	315	Liberia Petroleum Regulatory Authority	105	Schlumberger	1136
EMGS	416	LMKR- GeoGraphix/ GVERSE	1436	Science is Never Settled	1245
Enthought	1020	Mackay School of Earth Sciences & Engineering	1425	SEG - Society of Exploration Geophysicists	705
Envoi Limited	123	Malvern Panalytical	323	SeisWare, Inc.	847
ETAP Tunisia	204	Media Lounge	1219	Seitel	1129
Evoqua Water Technologies	812	Micotan Petroleum Software Solutions	949	Selman & Associates, Ltd.	610
Excellence Logging	1123	Mid Continent Well Logging, Inc.	710	SEPM Society for Sedimentary Geology . . .	1529
Fairfield Geotechnologies and Ikon Science	605	Middleton Spectral Vision	1018	SGS	1343
		Ministry of Energy Israel	112	Shearwater Geoservices Limited	1346
		Ministry of Mines and Hydrocarbons of		Societe des Petroles du Senegal	107
				Sourcewater, Inc.	844
				South Texas Geological Society (STGS)	405



MARK YOUR CALENDAR

Important Award Deadlines 2019-20

GRANTS-IN-AID PROGRAM

OPENS: Sept. 2, 2019 | Deadline: Dec. 2, 2019
The Grants-in-Aid program provides financial aid to graduate students whose thesis research has applications in the search for and development of petroleum mineral resources, and/or related environmental geology issues. Grants range from \$500 to \$3,000.

TEACHER OF THE YEAR AWARD

OPENS: Sept. 2, 2019 | Deadline: Jan. 31, 2020
The AAPG Foundation awards \$6,000 to a K-12 teacher in the United States for Excellence in Teaching the geosciences. Encourage a dedicated K-12 Earth science teacher who fosters students' love of and understanding of the geosciences to apply today!

L. AUSTIN WEEKS UNDERGRADUATE GRANT PROGRAM

OPENS: Jan. 1, 2020 | Deadline: March 31, 2020
The L. Austin Weeks Undergraduate Grant program provides \$500 grants to undergraduate geoscience students and student-led associations (student chapters and clubs) worldwide to help with tuition, books, equipment, field trips, and conferences.

INSPIRATIONAL GEOSCIENCE EDUCATOR AWARD

OPENS: Jan. 1, 2020 | Deadline: March 31, 2020
The AAPG Foundation awards \$6,000 to a college or university professor for Excellence in Teaching natural resources or the geosciences. Nominate a professor who inspired your career in the geosciences.

DEANA AND PAUL STRUNK MILITARY VETERANS SCHOLARSHIP PROGRAM

OPENS: Feb. 15, 2020 | Deadline: May 1, 2020
The Military Veterans Scholarship Program (MVSP) provides grants to veterans pursuing geoscience degrees at a four-year college or university in an effort to aid in their transition from military service to civilian career opportunities. Grants range from \$2,000 to \$4,000.

Southwest Research Institute	617
Spectrum Geo, Inc.	827
Springer Nature	201
Stone Quilt Design	325
Stratagraph, Inc.	312
StratoChem Services North America	1323
StructureSolver, LLC	916
Subsurface Consultants & Associates, LLC	1028
Sunburst Consulting	746
Targeted GeoVision & DataLog	
Geological Services	721
Task Fronterra Geoscience	947
TDI-Brooks International	1229
TEECsolutions, LLC	319
TerraCore	522
TerraEx Group, LLC	816
Texas A&M University, College of Geosciences	300
Texas Christian University	451
TGS	737
The Open Group	1146
Thermo Fisher Scientific	612
TOTAL	1236
TRICON Geophysics	1225
U-Pitch Theater	1620
U.S. Geological Survey	317
Ulrich's Fossil Gallery	1144
United Kingdom Oil & Gas Authority	242
University of Alabama	305
University of Colorado - IGP	1349
University of Houston, Department of Earth and Atmospheric Sciences	1541
University of Kansas	650
University of Leeds	1049
University of Miami, CSL Center for Carbonate Research	723
University of Oklahoma	648
University of Texas at Austin, Jackson School of Geosciences	504
University of Texas Permian Basin	446
University of Texas at San Antonio (UTSA)	1447
University of Tulsa - CESE	817
USLandGrid	1445
Vinci-Technology	546
Weatherford Labs	726
WellLogData	948
WellSight Systems, Inc.	823
West Texas Geological Society	1026
Western State Colorado University	1045
Wi-Fi Hot Spot	1319
Wildcat Technologies, LLC	751
Williston Basin Petroleum Conference	611
World Petroleum Congress	910
Zeiss Microscopy	919
<hr/>	
AAPG Center	1629
AAPG Datapages	1629
AAPG Foundation	1543
AAPG Student and Faculty Lounge	1449

Learn more at

foundation.aapg.org



Abreu Consulting and Training - ACT-GEO 547

344 W 22nd St
Houston, Texas 77008
United States
Vitor Abreu
+1 832 942 2208
vitor@act-geo.com
www.act-geo.com
ACT-GEO offers high-quality consulting and training, with strong emphasis on applicability to business. ACT Geosciences has expertise in:

- Subsurface Data Interpretation, Correlation, Integration and Mapping
- Sequence Stratigraphy
- Shallow and Deep Marine Reservoir Architecture
- Play and Prospect Identification & Mapping
- Play-Elements Presence Risking
- Core Description
- Input Parameters for Reservoir Modeling

Advanced Logic Technology SA (ALT) 923

30 H Route de Niederpallen
8506 Redange
Luxembourg
Rien Corstanje
info@alt.lu
www.alt.lu
ALT - Advanced Logic Technology is a leading developer of borehole logging equipment and data processing software.

- WellCAD / CoreCAD (coredescription, drilling optimization, Well log analysis, image processing)
- High temperature ultrasonic Televiwer for geothermal and Well integrity
- Slimhole geophysical logging systems (158°F- 2900 PSI)

Releasing CoreCAD 2.0 – more on www.alt.lu

Alaska Division of Geological & Geophysical Surveys 820

3354 College Rd
Fairbanks, Alaska 99709
United States
Marwan Wartes
+1 907 451 5056
marwan.wartes@alaska.gov
dggs.alaska.gov
The Alaska Division of Geological & Geophysical Surveys (DGGS), Energy Resources section acquires and publishes new, relevant, and unbiased information about the geologic framework of frontier sedimentary basins in Alaska that may host undiscovered oil, gas, and coal resources. This work promotes exploration and production success.

Alaska Division of Oil and Gas 818

550 W 7th Ave
Ste 1100
Anchorage, Alaska 99517
United States
dog.dnr.alaska.gov
The Division of Oil and Gas manages lands for oil, gas, and geothermal exploration and development in a fair and transparent manner to maximize prudent use of resources for the greatest benefit of all Alaskans, and facilitates safe and environmentally conscious operation and maintenance of common carrier pipelines.

ANCAP – Uruguay Open Round 139

Av. Libertador Brig. Gral. Lavalleja y Paraguay
Edificio Central de ANCAP - Piso 6 - E&P
Montevideo 11100
Uruguay
Santiago Ferro
+5982 1931 2519
sferro@ancap.com.uy
www.ancap.com.uy
ANCAP, the National Oil Company, is the responsible of executing all activities, business, and operations of the upstream industry in Uruguay, by itself or by third parties. ANCAP is seeking to enter into typical PSAs with IOCs through the new system: Uruguay Open Round, and multiclient contracts with service companies to boost available data.

ANH – Agencia Nacional De Hidrocarburos 142

Avenida Calle 26 N° 59 - 65 Piso 2
Edificio de la Cámara Colombiana de la Infraestructura
Bogotá 111321
Colombia
Carlos Rodriguez
+57 (1) 593 1717
carlosj.rodriguez@anh.gov.co
www.anh.gov.co
The ANH is the authority responsible for promoting optimum and sustainable use of the country's hydrocarbon resources, managing them fully and harmonizing the interests of society, the State, and companies in the sector. For more information visit www.anh.gov.co.

Apatite.com Partners 1448

1075 Matson Rd
Viola, Idaho 83872-9709
United States
Ray Donelick
+1 208 596 1423
donelick@apatite.com
www.apatite.com
Apatite.com Partners, LLC provides rock dating and thermal history reconstruction services to the oil, gas, and mining industries. Our new technologies include machine learning and artificial intelligence tools to improve data quality by eliminating most human bias and error from our analyses. We innovate. Others copy.

Association for Women Geoscientists 1546

1333 W 120th St
Ste 211
Westminster, Colorado 80234
United States
www.awg.org

Austin Geological Society 407

PO Box 1302
Austin, Texas 78767
United States
Christian Dohse
christian.dohse@gmail.com
www.AustinGeoSoc.org
Society objectives:

- (1) to stimulate interest in and promote advancement of geology;
- (2) to facilitate discussion and dissemination of geologic information;
- (3) to encourage social and professional cooperation among geologists and associated scientists;
- (4) to maintain a high professional standing among the members; and
- (5) to enhance public understanding of the professional activities of the members.

Badley Geoscience, Ltd. 402

North Beck House
Spilsby, Lincolnshire PE23 5NB
United Kingdom
+44 1790753472
info@badleys.co.uk
badleys.co.uk
Badleys is the longest-established consultancy specializing in solutions for seismic interpretation, structural geology, fault seal analysis, geomechanics, and geodynamic modelling. Drop by the booth any time to speak to real experts about any structural issue.

Barbados Ministry of Energy & Water Resources 141

Trinity Business Centre
Country Road
Bridgetown, Saint Michael BB11066
Barbados
Jamar White
+1 246 535 2537
jwhite@energy.gov.bb
www.energy.gov.bb
The Ministry of Energy and Water Resources in Barbados is responsible for promoting and facilitating the development of the country's natural resources. It monitors and regulates all onshore hydrocarbon activity and serves as the Designated Authority for the offshore petroleum sector, which forms a critical component of Barbados' socio-economic development strategy

Basin Dynamics, LLC 707

1875 Post Oak Park Dr #819
Houston, Texas 77027
United States
Jon Rotzien
+1 650 862 0574
jonrotzien@basindynamics.com
www.basindynamics.com
Basin Dynamics provides innovative reservoir characterization solutions dedicated to the oil and gas industry to quantify geologic risk and associated uncertainty. The company's core strengths enable operators to replace traditional reservoir description with high resolution data derived from advanced knowledge in reservoir architecture, process sedimentology, and depositional systems.

Baylor University Department of Geosciences 1047

One Bear PI #97354
Waco, Texas 76798
United States
Stacy Atchley
+1 254 710 2196
stacy_atchley@baylor.edu
www.baylor.edu/geosciences
Baylor Geosciences focuses on integrative and interdisciplinary research and teaching in Earth and planetary sciences, including Baylor's Applied Petroleum Studies and Energy Commerce (APS/EC) programs. Baylor's APS/EC program provides students with immersive applied research experiences, and industry partners with highly applied exploration- and production-related solutions.

Beicip, Inc. 822

1880 S Dairy Ashford Rd
Ste 630
Houston, Texas 77077-4781
United States
Felipe Medellin
+1 281 293 8550
felipe.medellin@beicip.com
www.Beicip.com
BeicipFranlab and its subsidiary affiliates provides technical consulting services cover Basin Modeling to Reservoir Simulation and Production Optimization including IOR and EOR. We provide a full software portfolio from Basin Modeling, Forward Stratigraphic Modeling, Seismic Inversion, Geostats, Fracturing, and other geological tools to enable full collaboration within all disciplines.

Bell Geospace Inc 1345

400 North Sam Houston Pkwy E
Ste 325
Houston, Texas 77060
United States
Scott Payton
+1 713 857 0921
spayton@bellgeo.com
www.bellgeo.com

BGP, Inc. 1027

No 307, Fanyang Zhong Road
Zhuozhou, Hebei 72750
China
+86 312 3824852
marketing@bgp.com.cn
www.bgp.com.cn
BGP is one of the world's leading geophysical service companies, delivering a wide range of technologies, services and equipment to the oil and gas industry worldwide. We are engaged in seismic data acquisition, processing, interpretation, reservoir geophysics, borehole seismic, micro-seismic, GME and multi-client surveys, equipment manufacturing and software R&D.

BHL Boresight and BHL Consulting 1442

4550 Kinsey Dr
Tyler, Texas 75703
United States
Shalina Warrior
+1 903 597 4893
shalina@bhlboresight.com
www.bhlboresight.com
BHL helps oil and gas operators through all phases of geologic operations related to horizontal wells. We provide a continuum of expert geosteering software and consulting services that include: training, planning, real-time geosteering, completion planning, and post-drill evaluation. BHL personnel are the most experienced geosteering consultants and will add value to your project as a trusted team member.

Bight Petroleum Corp. 449

Ste 1500
205-5th Ave SW
Calgary, Alberta T2P 2V7
Canada
Lawrence Bernstein
+1 403 354 2494
lbernstein@bightpetroleum.com
www.bightpetroleum.com
Private exploration company with highly prospective offshore acreage position in the Great Bight of South Australia seeking a JV partner.

Bruker Nano, Inc. 709

5465 E Cheryl Pkwy
Madison, Wisconsin 53711
United States
Kodi Morton
+1 608 276 3000
kodi.morton@bruker.com
www.bruker.com
Bruker offers advanced solutions to reliably support geologists and mining prospectors on locating and analyzing deposits anytime and anywhere. Bruker's instruments can be found at an altitude of 4,000 meters or in baking hot deserts-reliably delivering high end analysis quickly and on-site.

Bureau of Ocean Energy Management (BOEM) 1544

1201 Elmwood Park Blvd
New Orleans, Louisiana 70123
United States
Kathryn Luckado
+1 504 736 2442
kathryn.luckado@boem.gov
www.boem.gov
The Mission of the Bureau of Ocean Energy Management is to manage development of U.S. Outer Continental Shelf energy and mineral resources in an environmentally and economically responsible way.

C&C Reservoirs**C&C Reservoirs** 515

13831 Northwest Fwy
Ste 450
Houston, Texas 77040
United States
Casey Johnson
+1 713 776 3872
casey.johnson@ccreservoirs.com
www.ccreservoirs.com
C&C Reservoirs is a global software and services company with a team of technical experts who have on average >20 years of upstream experience. C&C Reservoirs is focused on being the recognized leader for capturing and delivering public and proprietary reservoir knowledge facilitating benchmarking and analytics enabling customers to improve decisions and financial performance.

Cabra Consulting, Ltd. 912

209, 255 17th Ave SW
Calgary, Alberta T2S 2T8
Canada
Gary Bugden
+1 403 243 5022
gbugden@cabra.ca
www.cabra.ca
Cabra Consulting Ltd. specializes in all aspects of wellsite geology and the technologies associated with it. This year we highlight our new Artificial Intelligence Assisted Geosteering platform and Industry leading XRF analysis. Swing by our booth for a demo of the application of new technology and what it offers the world of geology.

Cabral Energy 718

2101 CityWest Blvd
Houston, Texas 77042
United States
Nancy Slatter
+1 832710 3066
management@cabralenergy.com
www.cabralenergy.com
Cabral Energy is a privately held Oil and Gas company headquartered in Houston, Texas. Cabral Energy, LLC explores and develops Oil & Gas resources in domestic USA primarily in the onshore. Cabral Energy services include G&G, engineering, data management & analytics, and operational consulting. In addition, Cabral Technology is focused on recycling and reuse of fracking fluids used in drilling operations.

Cambridge University Press ... 322

1 Liberty Plaza
New York, New York 10006
United States
Kamini Ramphal
+1 212 337 5000
kramphal@cambridge.org
www.cambridge.org/academic

Canamera Coring 342

1125 Beach Airport Rd
Conroe, Texas 77301
United States
Howard Wood
+1 832 277 0141
howardw@canameracoring.com
www.canameracoring.com
Canamera Coring is a strategic partner for whole core acquisition focusing on practical, safe, cost-effective solutions such as the industry leading JMS (Jam Mitigation System), our two jam prevention for 3" and 4" core applications, or our Wireline Retrievable system offering the largest diameter wireline retrievable core in the slimmest hole size, worldwide.

CGG 527

10300 Town Park Dr
Houston, Texas 77072
United States
Elisa Smith
+1 832 351 4895
elisa.smith@CGG.com
www.cgg.com
CGG is a fully integrated
Geoscience company providing
leading geological, geophysical,
and reservoir capabilities to
its broad base of customers
primarily from the global oil and
gas industry. Through its three
complementary businesses of
Equipment, Acquisition and Geology,
Geophysics & Reservoir (GGR), CGG
brings value across all aspects of
natural resource exploration and
exploitation.

Chemostrat International 225

1 Ravenscroft Court
Buttington Cross Enterprise Park
Welshpool, Powys SY21 8SL
United Kingdom
Eddie Merrick
+44 1938 555330
eddiemerrick@chemostrat.com
www.chemostrat.com
Geochemical, mineralogical,
and petrophysical analysis and
interpretation for cuttings and core
samples.

Chemostrat, Inc. 749

3760 Westchase Dr
Houston, Texas 77042
United States
Milly Wright
+1 832 252 7200
millywright@chemostrat.com
www.chemostrat.com
For more than 30 years, Chemostrat
International has pioneered the
application of high-quality elemental
and grain-scale analysis of well
cuttings for stratigraphic, sediment
provenance, and reservoir quality
assessments. In addition to our
proprietary solutions, we offer a
range of cost-effective multiclient
studies around the world, and a real-
time chemostratigraphy solution for
wellsite deployment.

China University of Petroleum (Beijing) 1520

No 18 Fuxue Rd
ChangPing District
Beijing, Beijing 102249
China
Chenglin Gong
+86 188 10061083
chenglingong@hotmail.com
www.cup.edu.cn/geosci

China University of Petroleum (East China) 548

66 Chiangjiang West Rd
Huangdo
Qingdao, Shandong 266580
China
Yangwen Pei
+86 532 80981871
peiyangwen@upc.edu.cn
geori.upc.edu.cn

Chinook Consulting Services . 1324

301 14 St NW Ste 306
Calgary, Alberta T2N 2A1
Canada
Calin Dragoie
+1 403 242 1522
office@chinookpetroleum.com
chinookpetroleum.com
Chinook Consulting specializes in
geoscience studies, geosteering
and well-site geology. We offer
the services of well trained
petroleum consultants with
extensive experience. The company
focuses on new plays and new
technologies, such as tight gas and
unconventional reservoirs, shale
gas/liquids. Centered in Western
Canada, Chinook Consulting
operates in 16 countries on six
continents.

Colorado School of Mines. 551

1500 Illinois St
Golden, Colorado 80401
United States
Dorie Chen
+1 303 273 3978
dchen1@mines.edu
geology.mines.edu

COLUMBINE LOGGING

Columbine Logging, Inc. 1424

602 S Lipan St
Denver, Colorado 80223
United States
Wes Schrader
+1 303 289 7764
wes.schrader@columbinelogging.
com
www.columbinelogging.com
Mud logging, geosteering, and
advanced geology: we are one of
the premier geological well-site
service companies in the country.
Our professional well-site geologists
are driven to provide the highest
value with best in class service. We
consistently strive to maximize our
customer's return on investment
while promoting a culture of
integrity, dedication, collaboration,
and safety.

Cordax Evaluation Technologies 848

4800 Sugar Grove Blvd
Ste 540
Stafford, Texas 77477
United States
Don Herman
+1 713 550 2595
don.herman@cordax.com
www.cordax.com
Cordax is the world leader in Logging
While Tripping technologies.
Cordax' unique deployment allows
for low cost, low risk open hole
logging to be performed in lateral
wells. The cost effective solution
includes formation analysis and
our completion optimization
system. Great ROI methodology to
reduce completion costs, increase
production and return stakeholder
value.

Core Laboratories 505

6316 Windfern Rd
Houston, Texas 77040
United States
Joe Ramoin
+1 713 328 2673
joseph.ramoin@corelab.com
www.corelab.com
Core Laboratories is a leading
provider of proprietary and
patented Reservoir Description and
Production Enhancement services.
Our services enable our clients to
optimize reservoir performance and
maximize hydrocarbon recovery
over the life of their producing fields.
Our commitment to technology
development and your bottom
line makes Core Laboratories, The
Reservoir Optimization Company™.

Corescan 620

1900-1055 West Hastings
Vancouver, British Columbia V6E
2E9 Canada
www.corescan.com.au

dGB Earth Sciences 1043

1 Sugar Creek Center Blvd
Ste 935
Sugar Land, Texas 77478-3558
United States
Venice Iskander
+1 281 240 3939
venice.iskander@dgbes.com
www.dgbes.com
dGB specializes in innovative
seismic interpretation software
and services. Our services include
Machine Learning, Reservoir
Characterization and Fault Seal
Analysis. OpendTect is dGB's open
source interpretation system which
can be extended by unique add-ons
like Faults & Fractures for superior
fault imaging and HorizonCube/SSIS
for Sequence Stratigraphy studies.

DigiM Solution LLC 205

67 S Bedford St
Ste 400 West
Burlington, Massachusetts 01803
United States
Nicole Rich
+1 978 494 3016
nicole.rich@digimsolution.com
www.digimsolution.com

Digital Formation, Inc. 424

999 18th St
Ste 2410
Denver, Colorado 80202
United States
Michael Holmes
+1 303 770 4235
info@digitalformation.com
www.DigitalFormation.com
Digital Formation provides
quality petrophysical consulting
and technical services for the
E&P industry, and software for
petrophysical analysis and digital
log presentation. Services are
provided for everything from single
well analysis up to large field
studies, with particular attention
to unconventional resources, rock
physics modeling, and capillary
pressure/relative permeability
modeling.

Dino-Lite Scopes 442

19803 Hamilton Ave
Torrance, California 90502
United States
Jeanette Reveles
+1 310 618 9990
events@dunwell.com
www.dinolite.us

Dolan Integration Group, LLC . . . 245

11025 Dover St
Ste 800
Westminster, Colorado 80021
United States
Michael Dolan
+1 303 531 2030
mdoloan@digforenergy.com
www.digforenergy.com
Established in 2006, Dolan Integration Group is an oil and gas service company with expertise in the most important component of unconventional oil and gas evaluation, geochemistry. Our expertise is important for setting a chemical baseline and monitoring every stage of operations from an environmental, health and safety perspective.

Drillinginfo, Inc. 1429

2901 Via Fortuna #200
Austin, Texas 78746
United States
+1 512 477 9200
www.drillinginfo.com
Drillinginfo delivers business-critical insights to the energy, power, and commodities markets. Its state of the art SaaS platform offers powerful analytics, and industry-leading data. Drillinginfo's solutions deliver value across upstream, midstream, and downstream markets, empowering exploration and production, oilfield services, midstream, utilities, trading and risk, and capital markets companies.

EAGE – European Association of Geoscientists and Engineers . . . 209

De Molen 42
3994 DB Houten, Utrecht
The Netherlands
+31 88 995 5055
www.eage.org
EAGE is a professional association for geoscientists and engineers with a global membership of 19,000 students and professionals from more than 100 countries. The association is truly multi-disciplinary and international in form and pursuits. EAGE operates two divisions: the Oil & Gas Geoscience Division and the Near Surface Geoscience Division.

Earth Signal Processing, Ltd. . . . 343

Suite 1600, 715 - 5th Avenue
Calgary, Alberta T2P 2X6
Canada
Brendan Smith
+1 403 264 8722
brendan@earthsignal.com
www.earthsignal.com
Onshore Seismic Data Processing based out of Calgary, Canada, Earth Signal was founded in 1993 and provides the following services with 100% Proprietary Software: 2-D & 3-D Well-Guided Seismic Imaging, 3-D Pre-stack Merging, AVO, PP-PS Joint Pre-stack Inversion to derive Rock Properties, Multi-Component Imaging, Azimuthal Anisotropy Fracture Analysis, 4D Reservoir Monitoring, and much more.

Easy Copy Company 316

650 W Bough Ln
Ste 150-117
Houston, Texas 77024
United States
Leslie Friedrich
+1 713 954 4848
leslie@myeasycopy.com
www.myeasycopy.com
The EasyCopy Graphics Suite, EasyView and EasyPlot offer stand-alone and integrated solutions for viewing, editing, montage, conversion and plotting of CGM, EMF, PDF, and TIFF files of unlimited sizes as single and multiple pages. Montages and PowerPoints look professional and precise. EasyCore is a versatile and time-saving application to describe cores and export data to other applications.

EDCON-PRJ, Inc. 1120

6900 W Jefferson Ave
Ste 150
Lakewood, Colorado 80235
United States
Michael Hobbs
+1 303 980 6556
mhobbs@edcon-prj.com
www.edcon-prj.com
EDCON-PRJ is recognized around the world as an innovative, quality-driven provider of gravity, magnetic, and radiometric data collection, processing, and interpretive services.

Edge Systems 614

33502 SH 249
Pinehurst, Texas 77362
United States
Daniel Baker
dbaker@edgelog.com
Edge Systems specializes in mud logging, remote mudlogging, and Geosteering services with operations in Texas, New Mexico, Oklahoma, Louisiana, and Colorado.

EGI – Energy & Geoscience Institute 511

423 Wakara Way
Ste 300
Salt Lake City, Utah 84108
United States
Elinda McKenna
+1 801 581 5126
emckenna@egi.UT.edu
egi.UT.edu
The science to inspire new ideas to explore for and produce the Earth's energy resources is the core mission of EGI. The accumulated knowledge, insightful interpretation, and global experiences of our scientific staff complement and elevate the effectiveness of our technical competencies in the areas of hydrocarbon exploration and recovery.

Elementar Americas 1444

119 Comac St
Ronkonkoma, New York 11779
United States
Doug Sterner
+1 856 787 0022
doug.sterner@elementaramericas.com
www.elementaramericas.com

ELIIS 1328

5847 San Felipe St
Ste 1700
Houston, Texas 77057
United States
Vianney Savajol
+1 281 404 1515
vianney.savajol@eliis.fr
www.eliis.fr
Elis is a geoscience company providing seismic interpretation software and services. PaleoScan™ is a new generation of seismic interpretation platform offering an innovative workflow that increases productivity and resolution. In a fully integrated 2-D and 3-D environment, PaleoScan™ offers a complete range of interpretation tools used from data reconnaissance to reservoir characterization.

**Elsevier 315**

Radarweg 29
1043 NX Amsterdam
The Netherlands
Kinga Rietveld
k.rietveld@elsevier.com
www.elsevier.com
Elsevier is a global information analytics business. With a portfolio of solutions and data management services, we serve oil and gas companies around the globe. Our solutions and services enable exploration and production teams to make better interpretations and smarter investment decisions, helping to mitigate exploration risk and improve success rates.

EMGS 416

16285 Park Ten Place, Ste 410
Houston, Texas 77084
United States
Sherry Peebles
+1 713 301 9987
sp@emgs.com
www.emgs.com

Enthought 1020

200 W Cesar Chavez
Ste 202
Austin, Texas 78701
United States
Brendon Hall
+1 512 536 1057
info@enthought.com
www.enthought.com
Enthought accelerates science for business impact. Founded in 2001, Enthought helped launch Python into the science community and remains a leader in computational science and AI. Enthought's ability to combine science expertise, AI software solutions, and targeted change management gives its partners a significant advantage in winning with true digital transformation.

Envoi Limited 123

Old Stables House
1d Manor Road
West Ealing, London W13 0LH
United Kingdom
Mike Lakin
+44 2085661310
deliver@envoi.co.uk
www.envoi.co.uk
Envoi is a specialist independent A&D advisory group based in London, which assists oil and gas companies facilitate the buying and selling of international upstream opportunities. Services include the marketing and management of farmouts and production sales, and an 'eyes and ears' service to help clients identify new international opportunities.

ETAP Tunisia 204

54 AV Mohamed V
Tunis 1073
Tunisia
Elkods Elchantou
elchahtour.elkodes@etap.com.tn
www.etap.com.tn
Tunisian National Oil Company

Evoqua Water Technologies ... 812

5270 Marshall St
Arvada, Colorado 80002-3931
United States
Sonia Muniz
+1 303 425 4242
sonia.muniz@evoqua.com
www.evoqua.com
Evoqua's self-cleaning screen filters remove suspended solids from 1500-10 micron. The bi-directional drive mechanism is the simplest and most efficient. The cleaning cycle takes less than 15 seconds; the filtration process is uninterrupted. The need for high cost consumable filtration products for salt water disposal wells are substantially reduced as well as downtime and labor requirements.

Excellence Logging 1123

7136 S Yale Ave
Ste 414
Tulsa, Oklahoma 74136-6357
United States
Ryan Nostrud
+1 918 925 9739
rnostrud@exlog.com
www.exlog.com
Excellence Logging is a specialist oilfield services company with a focus on providing customers safe, and more technically advanced geological, surface formation evaluation, drilling monitoring, and light well intervention services. Our unique, innovative surface systems provide you with better data, which lead you to make better decisions. ExLog has operations in Oklahoma, Texas, New Mexico, Pennsylvania, Ohio, Colorado.

Fairfield Geotechnologies and Ikon Science 605

12140 Wickchester Ln
Ste 400
Houston, Texas 77077
United States
Julianne Sharples
+1 713 598 3824
jsharples@ikonscience.com
www.fairfieldgeo.com
Fairfield Geotechnologies, a leading provider of high quality multi-client seismic and data processing services, and Ikon Science, a leader in GeoPrediction, have teamed up to extend the value of seismic data. These two companies are co-exhibiting at AAPG to demonstrate how geology can be at the heart of the process from seismic acquisition through to reservoir prediction.

Falkland Islands Government . . 138

Department of Mineral Resources
Ross Road
Stanley, Falkland Islands FI 1ZZ
United Kingdom
Dave McCarthy
+500 27322
davmcc@bgs.ac.uk
www.falklands-oil.com
Promoting exploration and development opportunities in the Falkland Islands.

Faroese Geological Survey 212

Jóánnessar Paturssonargöta 32-34
FO-110 Tórshavn
Faroe Islands
Barbara Biskopstø Hansen
+298 357000
bbh@jf.fo
www.jardfeingi.fo
The Faroese Geological Survey administrates oil licenses in the Faroe Islands. The Faroes are aiming to open the 5th licensing round simultaneous with the UKCS 32th this summer. The licensing area on offer includes blocks on the Eastern side of the Faroese Continental Shelf, adjacent to the WOS area, and is expected to contain geological settings that may offer several Rosebank analogues.

Field Geo Services 308

533 Bogart Ln
Ste A
Grand Junction, Colorado 81505
United States
Scott Field
+1 970 424 5162
scott.field@fieldgeoservices.com
www.fieldgeoservices.com
FGS offers mudlogging services, including use of gas chromatography, mass spectrometry with full analysis, geosteering, and lab based XRF/XRD. We tailor our services to exactly what our clients need and excel in delivering quality data in an easy to apply format. Our industry leading Spectra Stacker graphs and UBR models set us apart from competitors as we deliver Better Wells and Better Data.

Flotek Industries 717

10603 W Sam Houston Pkwy N
Ste 300
Houston, Texas 77064
United States
Ginger Shelfer
+1 713 849 9911
www.flotekind.com
Flotek develops and delivers prescriptive, reservoir-centric chemistry technologies to oil and gas clients designed to address every challenge in the lifecycle of the reservoir and maximize recovery in both new and mature fields. Flotek's inspired chemists draw from the power of bio-derived solvents to deliver solutions that enhance energy production.

Forestry Suppliers, Inc. 747

205 W Rankin St
Jackson, Mississippi 39201
United States
+1 601 354 3565
fsi@forestry-suppliers.com
www.forestry-suppliers.com
Forestry Suppliers, Inc. is a worldwide supplier of equipment and general field supplies for forestry, environmental, geology and other outdoor professions. Sign up for a free 800+ page color catalog or visit our website at www.forestry-suppliers.com.

Fracture ID 1450

777 Grant St
Ste 500
Denver, Colorado 80203
United States
Charyl Smerek
+1 888 392 1628
charyl.smerek@fractureid.com
www.fractureid.com
Drillbit Geomechanics™ technology generates high-resolution reservoir characterization by measuring high frequency accelerations in the drill string. Fracture ID data has been applied on More than 300 wells, using geomechanical rock properties to design capital efficient completions without negatively impacting production, providing a better understanding sequencing and parent/child interactions.

Future Geological Technologies, Inc. 1537

325 South Highway 44
Burns Flat, Oklahoma 73624
United States
James Soule
jim@futuregeological.com
www.futuregeological.com
Future Geological Technologies, Inc. is the future of wellsite geological services. We provide support for mudlog operations in executing quadrupole mass spec data acquisition by offering the most cutting edge portable equipment and service in the field. Our mass spec is available as a direct sale, lease or rent.

GCAGS - Gulf Coast Association of Geological Societies 1019

Box X, Univ Station
Austin, Texas 78750
United States
Amanda Masterson
+1 512 471 7144
pubsales@beg.utexas.edu
www.gcags.org

Gems & Crystals Unlimited 920

3144 Havenridge Ct.
Atlanta, Georgia 30319
United States
Chuck Henley
+1 678 595 2113
jeweler@mindspring.com
www.gemsandcrystalsunlimited.com

GEO 2020 211

240 Blackfriars Rd
London SE1 8BF
United Kingdom
Sabrina Travers
+44 0207 560 4109
sabrina.travers@ubm.com
Inaugurated in 1994, GEO is the largest and best attended technical event of its kind in the region. A world-class exhibition and an exceptional technical conference with presentations by key industry figures combine to offer exceptional networking, business and educational opportunities to all professionals with an interest in the future development of the Middle East's hydrocarbon resources.

GEO ExPro (GeoPublishing Limited) 303

15 Palace Place Mansions
Kensington Court
London W8 5BB
United Kingdom
Kirsti Karlsson
+44 7909915513
Kirsti.Karlsson@geoexpro.com
www.geoexpro.com
GEO ExPro is a well read and much loved interdisciplinary worldwide magazine and online publication designed to explain and clarify geoscience and technology. "Complex Stories in Simple words" Articles reflect a wide range of topics and issues of interest to the upstream geoscience community and beyond, from frontier exploration and emerging technologies to geotourism and the history of petroleum.

GeoCare Benefits Group Insurance Program 1220

1155 Eugenia Pl
Carpinteria, California 93013
United States
Robert Dockery-Higgins
+1 805 566 9191 x2252
rdockery-higgins@agia.com
www.geocarebenefits.com
The GeoCare Benefits Insurance Program is a unique group insurance program designed to meet the specific needs of earth science professionals. The Program is managed by a Committee on Group Insurance comprised of association members, like you, and they work to ensure that the Program is providing top quality insurance plans with quality benefits and the lowest possible rates.

Geochemical Insight 243

1334 S Elizabeth St
Denver, Colorado 80210
United States
David Seneshen
+1 303 249 2814
dseneshen@gmail.com
www.geochemicalinsight.com
Geochemical Insight turns geochemical information into solutions to solve exploration and environmental related problems. Geochemical surveys are designed, implemented and reported on to (1) help our clients reduce their exploration risk for oil and gas and helium, and (2) investigate and help solve stray gas and produced water problems.

GeoEdges, Inc 523

1440, 510 - 5th St SW
Calgary, Alberta T2P 3S2
Canada
Rick James
+1 403 263 0594
rickjames@geoedges.com
www.geoedges.com
GeoEdges Inc. is a Calgary-based company involved in the development and licensing of digital geological maps for the petroleum exploration and development industry. From the Western Canada Basin, GeoEdges Inc. has expanded its dynamic, regional library of digital maps to all corners of North America and beyond

Geoex, Ltd. 237

9525 Katy Fwy
Ste 495
Houston, Texas 77024
United States
+1 281 888 1535
enquiry@geoexltd.com
www.geoexltd.com
Geoex is a global geophysical and geological data provider, specializing in multi-client seismic surveys. Our activity is focused on technical and strategic support to oil and gas companies and governments.

GeoFrontiers Corporation 550

5130 Boyd Blvd
Ste A
Rowlett, Texas 75088
United States
Gary Rice
+1 972 412 7939
aapg3@geofrontiers.com
www.geofrontiers.com
GeoFrontiers provides quality geochemical exploration services worldwide. Direct hydrocarbon sampling, sample analysis, mapping, reporting, and data integration enhance any exploration project. Non-hydrocarbon services include helium exploration, and carbon dioxide exploration and monitoring.

Geo-Link, Inc. 1325

401 S Broadway
PO Box 1764
Red Lodge, Montana 59068
United States
Jed Adams
+1 406 446 3654
j_adams@geo-link.net
www.geo-link.net
Geological Services / Geosteering / Mudlogging

Geologic Data Systems 520

5994 S Prince St
#203
Littleton, Colorado 80120
United States
Katherine Connors
+1 303 837 1699
kconnors@geologicdata.com
www.geologicdata.com

GeoMark Research 1336

9748 Whithorn Dr
Houston, Texas 77365
United States
+1 281 856 9333
info@geomarkresearch.com
www.geomarkresearch.com
GeoMark is dedicated to the advanced measurement of fluid systems through our range of geochemical, PVT, and core analysis services, all offered alongside the world's largest proprietary rock and fluids database. GeoMark is also proud to announce GRI+ to our analytical lineup: an advanced method of core analysis for unconventional systems, providing superior fluid saturation and porosity data.

Geo-Microbial Technologies . . 324

PO Box 132
Ochelata, Oklahoma 74051
United States
Daniel Hitzman
+1 918 535 2281
danielh@gmtgeochem.com
www.gmtgeochem.com

GeoPartners, Ltd. 113

29 Farm St
Mayfair
London W1J 5RL
United Kingdom
James Gulland
+44 20 3178 5334
jim.gulland@geopartnersltd.com
www.geopartnersltd.com
Based in London, GeoPartners is an international consultancy specializing in providing geophysical and geological services to government agencies, national oil companies, and the international oil and gas industry. These services include all aspects of data acquisition, including the initiation, promotion, and marketing of multi-client seismic surveys.

Geo-Steering Solutions, Inc. . . . 420

1850-250 2nd St SW
Calgary, Alberta T2P 0C1
Canada
Neil Tice
+1 587 352 2236
ntice@geo-steer.com
geo-steer.com

Geo-Steering Solutions Inc. is the leader in 24/7 geo-steering services and software. Reduce risks and costs while drilling intelligently. Our Geo-Direct software is designed for geologists by geologists to assist your workload from pre-spud to completions. We cater to clients of every size and while we compete on price we never compromise on quality.

GeoTeric 720

1080 Eldridge Pkwy
Ste 190
Houston, Texas 77077
United States
Owen Lee
+1 832 426 3755
info@geoteric.com
www.geoteric.com

GeoTeric is a seismic software company looking beyond traditional interpreter confines. Established in 1987, we've revolutionized seismic interpretation and commercialised technology developments with BP, Chevron and Equinor. Presenting data in an intuitive manner, our entire approach works in tandem with interpreters thought processes, specializing in transferring user knowledge into the data.

Getech, Inc. 447

3000 Wilcrest Dr
Ste 155
Houston, Texas 77042
United States
Graham Gifford
+1 713 979 9900
graham.gifford@getech.com
www.getech.com

Getech provides leading geoscience products and services that companies and governments use to de-risk their exploration programs and improve their management of natural resources. Our exclusive exploration data and portfolio of regional reports along with our experienced geoscience consulting team, offer cost effective solutions that provide greater insight into exploration prospectivity and risk.

Government of Greenland 210

Imaneq 1A
Nuuk 3900
Greenland
+299 34000
isiin@nanoq.gl
Government of Greenland (Ministry of Industry and Energy)

Halliburton 936

3000 N Sam Houston Pkwy E
Houston, Texas 77032
United States
+1 281 871 4000
www.halliburton.com
Founded in 1919, Halliburton celebrates 100 years of service as one of the world's largest providers of products and services to the energy industry. With 60,000 employees, representing 140 nationalities in more than 80 countries, the company helps its customers maximize value throughout the lifecycle of the reservoir.

Hart Energy 521

1616 S Voss Rd
Ste 1000
Houston, Texas 77057
United States
Bill Miller
+1 713 260 6400
bmiller@hartenergy.com
www.hartenergy.com
E&P, a print and digital publication, provides information about business opportunities, technical solutions, management, and marketing intelligence to oil and gas exploration and production professionals worldwide. E&P covers the latest technology in exploration and reservoir characterization; well construction; production optimization; marine technology and operations, as well as industry news.

Houston Geological Society . . . 819

14811 St Mary's Ln
Ste 250
Houston, Texas 77079
United States
Stephen Adeniran
+1 713 463 9476
exhibits@hgs.org
www.hgs.org
The Houston Geological Society (HGS) was founded in 1923. Currently with about 3000 members, HGS has been affiliated with AAPG since 1932. Some of the services offered by the Houston Geological Society include – advertisement services for members, technical meetings and conferences, social / networking events, technical publications, and scholarships for students.

HSI Geosciences 946

15851 North Dallas Pkwy
#1250
Addison, Texas 75001
United States
George Gunn
+1 972 416 626
ggunn@hsigeosciences.com
www.hsigeosciences.com
HSI Geosciences is a consulting firm focusing on Geosteering, Geological evaluations, Data Management, and IT Support for horizontal drilling.

iBall Instruments, LLC. 850

3540 National Dr
Norman, Oklahoma 73069
United States
Carl Bright
+1 405 341 2434
cpbright@gmail.com
www.iballinst.com
iBall Instruments is a company dedicated to inventing and supplying state of the art gas detection and extraction technology. We develop products and services that assist the mud logging and related industries with meeting the ever increasing energy needs of the world.

iCore Group, Inc. 646

19901 Southwest Fwy
Sugar Land, Texas 77479
United States
Jinding Huang
+1 832 532 7564
jinding.huang@icore-group.com
www.icore-group.com/en
iCore's new generation digital core technology system, featuring the algorithm optimization and big data analysis, provides a unique solution covering the entire chain of oil and gas industry, from exploration to development, including rapid reservoir evaluation, rapid decision-making for stimulation plan, formation damage evaluation.

IFP Energies nouvelles (IFPEN) 347

1-4 avenue de Bois Préau
Rueil-Malmaison 92500
France
Fadi-Henri Nader
+33 1 47 52 60 00
fadi-henri.nader@ifpen.fr
www.ifpen.fr
IFP Energies nouvelles develops powerful and robust basin and reservoir modeling/simulation tools focusing on complex and heterogeneous geological formations. Its integrated solutions include state-of-the-art techniques in petroleum system assessment, reservoir characterization/simulation. Advanced lab/modeling workflows, at lower TRLs, can also be provided and adapted to our partner's needs.

IHS Markit 427

1401 Enclave Pkwy
Ste 300
Houston, Texas 77077
United States
Jeff Warhol
+1 713 499 4230
jeff.warhol@ihsmarkit.com
ihsmarkit.com/industry/energy
Energy Solutions from IHS Markit comprise some of the most extensive information, analytics, insight, and advisory services in the world. We deliver oil and gas databases and software, energy supply and demand forecasts, and comprehensive data on transactions at the global and regional market levels. Our renowned energy experts empower leaders worldwide to make their best decisions.

IKON Mining & Exploration 411

PO Box 2620
Fallbrook, California 92088-2620
United States
Mary FongWalker
+1 760 723 3484
ikonmining@gmail.com
MineralsNMore.com
IKON Mining features Minerals, Fossils, Meteorites, Artifacts, custom-crafted Jewelry, and Lapidary items for the kids, as well as the sophisticated collector. Hand selected nature-related gift items are offered from around the world. We also source executive gifts for those companies looking for items that will set them apart from the competition. Please drop by and explore our offerings.

Imaging Systems Group 414

911 28th St NE
Calgary, Alberta T2A 7X1
Canada
Stephanie Hopkins
+1 403 681 0212
stephanie_hopkins@isys-group.com
www.isys-group.com
The Imaging Systems Group is an innovative Developer and Manufacturer of Continuous Direct Thermal, Color Inkjet and Color LED Plotters and Printers for Oil and Gas exploration, Seismic data recording, Well logging, Mud Logging, Horizontal Logging, Geophysical, Marine, Engineering consultants, Aerospace, Chemical label printing and more.

Impac Exploration Services . . . 701

1501 Lera Dr Ste 3
Weatherford, Oklahoma 73096
United States
Bill Williamson
+1 405 550 0453
bill.williamson@impacxs.com
www.impacxs.com

Imperial College London 716

Department of Earth Science & Engineering
Royal School of Mines
London SW7 2BP
United Kingdom
Victoria Murphy
+44 20 7594 6445
v.murphy@imperial.ac.uk
www.imperial.ac.uk/earth-science
We are one of the world's leading centres that combines the study of Geoscience and Engineering. Across varied research topics, we offer a range of Ph.D. opportunities. We also run four taught postgraduate M.Sc. courses:
• Petroleum Geoscience
• Petroleum Engineering
• Applied Computational Science & Engineering
• Metals & Energy Finance
Visit our booth, and ask about our Imperial alumni reception.

INP – National Petroleum Institute 122

Rua dos Desportista, N. 258 E
Maputo 4724
Mozambique
Frederico Pagocho
+258 82 3081570
frederico.pagocho@inp.gov.mz
www.inp.gov.mz
National Petroleum Institute is the Oil and Gas upstream regulator in Mozambique under the Ministry of Mineral Resources. It's competencies include regulation and fiscalization of the exploration activities, Development and production of oil and gas, proposing regulatory policies for Petroleum Operations, maintenance of information and technical data related to the Petroleum industry, reserves and resources.

Interactive Geology Program (IGP) 1349

University of Colorado
Geology Department
Boulder, Colorado 80309
United States
Paul Weimer
+1 303 870 1126
paul.weimer@colorado.edu
igp.colorado.edu
IGP develops computer animations and 3-D VR scenes to:
• educate the public about key geologic processes and their impact on society,
• fully integrate 3-D visualization techniques into geology education by developing geologically accurate animations and interactive display, and
• provide these resources free of charge to educators and the general public.

ION 1036

2105 CityWest Blvd
Ste 100
Houston, Texas 77042
United States
+1 281 933 3339
info@iongeo.com
IONGEO.com
ION has been a technology leader for 50 years with a strong history of innovation. Leveraging innovative technologies, ION creates value through data capture, analysis and optimization to enhance companies' critical decision-making abilities and returns. Our offerings are focused on improving E&P decision-making, enhancing reservoir management and optimizing offshore operations.

Ireland, Petroleum Affairs 238

29-31 Adelaide Rd
Ranelagh
Dublin D02 X285
Ireland (Republic)
Katie Hernon
+353 89 7015620
katie.hernon@dccae.gov.ie
www.pad.gov.ie
Ireland's Petroleum Affairs Division regulates and promotes hydrocarbon exploration and production activities in Ireland. Visit Booth 238 for the latest information on exploration activities and opportunities offshore Ireland.

Journal of Natural Gas Geoscience 1422

8 Middle Tianshui Road
Lanzhou, Gansu 730000
China
Junwei Zheng
+86 931 8277790
jnggs@lzb.ac.cn
www.sciencedirect.com/journal/journal-of-natural-gas-geoscience
JNGGS is an academic journal about natural gas exploration and exploitation. The journal publishes original research and review articles across a broad range of natural gas geology, natural gas geochemistry, natural gas geophysics, gas field engineering, and unconventional gas, etc. Its main aims are to promote the development of global natural gas exploration and exploitation and academic communion.

KeAi Publishing 217

16 Donghuangchenggen North St
DongCheng District
Beijing 100717
China
Dewei Jia
+86 153 133 82357
dewei.jia@keaipublishing.com
www.keaipublishing.com
Founded by two world-leading STM publishers, China Science Publishing&Media and Elsevier, KeAi publishes more than 60 open access journals spanning health and medical science, life science, physical science, engineering and technology and social science. Check our energy journals:
• Petroleum Research
• Journal of Natrual Gas Geoscience
• Petroleum Exploration and Development
• Natrual Gas Industry B
• Petroleum

Keele University 349

William Smith Bldg
Keele, Staffordshire ST5 5BG
United Kingdom
Stuart Clarke
+44 1782733171
s.m.clarke@keele.ac.uk
www.Keele.ac.uk/gge
Keele University is based in the middle of England and offers postgraduate opportunities (taught and research) in geological and geographical sciences available to international students. The institution is research active and internationally renowned.

King Canyon Buffalo, Inc. 421

2900 Birch St.
Denver, Colorado 80207
United States
Kymley Parker-Fishburne
+1 303 825 6773
kymley@kingcanyonbuffalo.com
www.kingcanyonbuffalo.com

King Fahd University of Petroleum & Minerals 1524

Box 5015
Dhahran 31261
Saudi Arabia
Yousef Botwaibah
+966 50 480 0348
botwaibah@yahoo.com
cpg.kfupm.edu.sa
The College of Petroleum
Engineering & Geosciences
(CPG) of KFUPM leverages the
University's educational and
research capacity to contribute to
industry-relevant research and to
develop industry-ready graduates
across the upstream spectrum. Its
distinguishing approach is driven
through quality multidisciplinary
research, a high level of industry
engagement, and an extensive
integrative curriculum.

Komodo Dragon 1046

PO Box 1490
The Dalles, Oregon 97058
United States
Marcia or Steve
+1 541 478 2112
komodo@komododragon.com
Komodo Dragon returns for our 31st
year supporting AAPG! We have
a great selection of top-quality,
affordable fossils and minerals,
geological home décor items,
educational earth science kits, and
lab specimens. We also offer an
outstanding collection of unique
handcrafted jewelry featuring
unusual gemstones set in sterling
silver and gold.

Lebanese Petroleum Authority 222

Marfaa, 200 Building, 1st Floor
Georges Akouri St
Downtown
Beirut
Lebanon
Wissam Chbat
+961 1 998 780
lpa.gov.lb
The Lebanese Petroleum
Administration (LPA) was
established on the 4th of December
2012, and is an independent public
institution mandated to manage the
upstream offshore petroleum sector
in Lebanon. The principal objective
of the LPA is to contribute to
creating the greatest possible value
for the economy and the society
out of the petroleum sector while
protecting the environment.

Liberia Petroleum Regulatory Authority (LPR) 105

18th Street Sinkor-Liberia
Monrovia, Mont 1000
Liberia
Rufus Tarnue
+231 886 598048
rtarnue@lpra.gov.lr
www.lpra.gov.lr
The LPR is an independent
regulator for the upstream sector
in Liberia. Its core functions
include granting petroleum rights,
issuing reconnaissance license,
and conducting geological and
geochemical surveys.

LMKR- GeoGraphix/ GVERSE 1436

6051 North Course Dr
Ste 300
Houston, Texas 77072
United States
Jahanzeb Moazzam Khan
+1 281 495 5657
www.lmkr.com
LMKR is a petroleum technology
company with an extensive E&P
Software Solutions Portfolio as
well as Geoscience and Information
Management consulting solutions –
all focused towards lowering the risk
associated with conventional and
unconventional resource plays.

Mackay School of Earth Sciences & Engineering 1425

University of Nevada Reno
1664 N Virginia St
Reno, Nevada 89557
United States
Melissa Bell
+1 775 784 6987
bell@unr.edu
www.unr.edu/mackay
Internationally renowned for its
academic programs in the earth,
mineral, and engineering sciences,
and its diverse research activities,
Mackay has earned its reputation for
excellence by providing the mining,
engineering and minerals industries
with highly-trained graduates, by
conducting cutting-edge research
and continuous offering of public
service to Nevada and the nation.

Malvern Panalytical 323

117 Flanders Rd
Westborough, Massachusetts 101581
United States
Katelyn Sifuentes
+1 508 768 6400
ask@malvernpanalytical.com
www.malvernpanalytical.com
Malvern Panalytical is a global
leader in high-performance
analytical instrumentation solutions
for oil and gas exploration and
environmental monitoring. Our
ASD Near Infrared (NIR) and X-ray
fluorescence (XRF) spectrometers
provide unparalleled laboratory-
grade results in the field or on-site.
Visit us at booth 323!

Micotan Petroleum Software Solutions 949

10497 Town and Country Wy
Houston, Texas 77024
United States
Jeffrey Sinclair
+1 713 239 1066
jeff.sinclair@micotan.com
www.micotan.com
Micotan's world-class asset life
cycle software is an accurate,
dependable oil/gas/storage well life
cycle assessment tool. Generwell
is a completely configurable well
life cycle software suite to suit your
needs now and as you expand.
Generwell helps your team focus
and reach objectives quickly
and effectively, while Micotans'
implementation experts ensure the
software works best for you.



Mid Continent Well Logging Service, Inc. 710

717 26th Ave NW
Norman, Oklahoma 73069
United States
John Terry
+1 405 360 7333
jterry@mcwllinc.com
mcwllinc.com
Mid Continent Well Logging Service,
Inc. has provided operators in
the Oil and Gas industry with
dependable, affordable, and
accurate services since 1990. Our
loggers and geosteers have years
of experience with wells in all major
plays throughout the mid-continent
region. We emphasize constant and
complete communication with all
personnel involved with the drilling
process.

Middleton Spectral Vision . . . 1018

8505 University Green
Middleton, Wisconsin 53562
United States
Chris Draves
+1 608 831 2141
chris.draves@middletonspectral.com
www.middletonspectral.com
Middleton Spectral Vision is an
innovative company specializing
in hyperspectral imaging and
spectroscopy. We have a dedicated
design team that can help
customers develop hyperspectral-
based solutions to solve complex
problems for research and industry.
We serve a variety of markets
including Plant Science, Geology
and Minerals, Remote Sensing, and
more.

Ministry of Energy Israel 112

Israel Bank St #7
Jerusalem
ISRAEL
Mike Gardosh
+972 747 681 556
mikig@energy.gov.il
www.gov.il/en/Departments/
ministry_of_energy

Ministry of Mines and Hydrocarbons of Equatorial Guinea..... 118

Malabo
Equatorial Guinea
Roberto Blanco
rblanco@perceptumlimited.com
www.egronda.com
The Ministry of Mines and Hydrocarbons of Equatorial Guinea invites all Exploration and Production Oil & Gas Companies worldwide to participate in its 2019 Oil and Gas Licensing Round that comprises of twenty six (26) blocks. Twenty four (24) blocks for Exploration and two (2) blocks for Appraisal/Development of hydrocarbons under production sharing contracts.
Please see www.egronda.com

MJ Logs 304

3333 S Bannock St
Ste 600
Englewood, Colorado 80110
United States
William (Bill) Brock
+ 1 800 310 6451
bill.brock@mjlogs.com
www.mjlogs.com
MJ Logs offers access to the industries most complete, highest quality library of depth registered "Raster " logs available, with access to more than 6.5 million logs. MJ Logs also has thousands of LAS across the USA and have high quality well log digitizing services to add curves not digitized yet.

MultiClient Geophysical AS (MCG) 237

9525 Katy Fwy
Ste 495
Houston, Texas 77024
United States
+1 281 888 1535
mcg@mcg.no
www.mcg.no
MultiClient Geophysical (MCG) is a global geophysical and geological data provider, specializing in multi-client seismic surveys. Our activity is focused on technical and strategic support to oil and gas companies and governments.

Nanoscience Instruments..... 813

10008 S 51st St
Ste 110
Phoenix, Arizona 85044
United States
Joe Grech
+1 480 758 5400
info@nanoscience.com
www.nanoscience.com
Nanoscience instruments sells innovative scientific instrumentation specializing in surface science and analytical sciences. Our portfolio consists of desktop scanning electron microscopes with EDX/EDS and large sample capacity, ion milling for SEM/TEM/FIB sample preparation and cross-sectioning, and analytical high-pressure chamber tensiometers for enhanced oil recovery research. Booth #813 or nanoscience.com.

NAPE Expo 321

800 Fournier St
Fort Worth Texas 76102
United States
Jennifer Palladina
817-847-7700
JPALLADINA@NAPEEXPO.COM
www.napeexpo.com
Success is not just what you know, but who you know. NAPE serves the upstream oil and gas industry by hosting the world's largest, most successful marketplace where the primary purpose is connecting decision makers and investors. For the upstream oil and gas industry, NAPE is where deals happen.

National Petrographic Service, Inc. 931

1621 Cottonwood School Rd
Rosenberg, Texas 77471
United States
John Araiza
+1 713 661 1884
info@nationalpetrographic.com
www.nationalpetrographic.com
Petrographic Thin Sections, Kerogen and Vitrinite Isolation and Analysis, Leco TOC and Rock-Eval 6 Analysis, Palynology Analysis.

Natural Creations-Linda and Don Bourassa..... 1021

1393 Waterford Falls Ave
Las Vegas, Nevada 89123
United States
Linda Bourassa
+1 949 683 3394
lindonbourassa@hotmail.com
www.rindasrocks.net
Minerals, jewelry, and specimens.

Nautilus 516

20405 Tomball Pkwy
Ste 200
Houston, Texas 77070
United States
Andy Kirchin
+1 281 448 6188
andy.kirchin@rpsgroup.com
rpsgroup.com
Nautilus have delivered training for oil and gas personnel at all levels for more than 20 years becoming part of the RPS Group in 2011. RPS is an independent leading global professional firm of 5,600 consultants and service providers across energy, property, transport, water, resources, defence, and government services. We define, design, and manage projects that matter to a complex resource-scarce world.

Neuralog, LP..... 329

4800 Sugar Grove Blvd
Ste 200
Stafford, Texas 77477
United States
Todd Wauhob
+1 281 240 2525
sales@neuralog.com
www.neuralog.com
Neuralog provides practical and intuitive solutions for the oil and gas industry. From scanning, digitizing, and printing, to organizing and analyzing your data and getting answers about hydrocarbon reserves, each step of your workflow is supported with Neuralog Professional Solutions.

Newfoundland and Labrador .. 226

PO Box 8700
50 Elizabeth Ave
St. John's, Newfoundland A1B 4J6
Canada
Jovan Petrovic
+1 709 729 2533
jovanpetrovic@gov.nl.ca
www.nr.gov.nl.ca/nr
The Province of Newfoundland and Labrador, located on the east coast of North America, is Canada's offshore oil producing region. Since first oil more than 20 years ago, the Hibernia, Terra Nova, White Rose and North Amethyst fields produced more than 1.8 billion barrels of oil. A scheduled land tenure system, recent discoveries and upcoming Licensing Rounds continue to provide exciting opportunities.

Nova Scotia Department of Energy and Mines..... 129

1690 Hollis St
12th Fl, Joseph Howe Bldg
Halifax, Nova Scotia B3J 3P7
Canada
Scott Weldon
+1 902 424 4575
scott.weldon@novascotia.ca
energy.novascotia.ca
The Government of Nova Scotia provides opportunities for industry to meet potential joint venture partners and to participate in investment missions abroad. Energy and Mines promotes the province's resources and capabilities, resulting in international economic activity in Nova Scotia and strengthened access to international markets.

NRGX Technologies, Ltd. 647

20 Brookmere Gardens SW
Calgary, Alberta T2W 2R6
Canada
Darin Brazel
+ 1 403 861 0637
darin.brazel@nrgx.ca
nrgx.ca
DIGITAL LOG DATA SOLUTIONS
LAS WORX – Bring Your Logs To Life: Our goal with LAS WORX was to do the unimaginable; engineer a product that revolutionizes the process of locating and accessing your log data, improving its quality and enabling you to interact with it in ways you never thought possible.

Occidental Petroleum 613

5 Greenway Plaza
Ste 110
Houston, Texas 77046
United States
Mitchell North
+1 713 599 4139
mitchell_north@oxy.com
www.Oxy.com
Occidental Petroleum is an international oil and gas exploration and production company with operations in the United States, Middle East and Latin America. Occidental is one of the largest U.S. oil and gas companies, based on equity market capitalization. Occidental's midstream and marketing segment purchases, markets, gathers, processes, transports, and stores hydrocarbons and other commodities.

Oklahoma City Geological Society 1121
 10 NW 6th St
 Oklahoma City, Oklahoma 73102
 United States
 +1 405 236 8086
 www.ocgs.org

Oklahoma Geological Survey . . . 549
 Sarkeys Energy Center Mewbourne
 College of Earth and Energy
 100 E Boyd St
 Norman, Oklahoma 73019
 United States
 Abbas Seyedolali
 +1 405 325 3031
 absayed@ou.edu
 www.ou.edu/ogs
 The Oklahoma Geological Survey (OGS) is a state agency for research/public service and is affiliated with the OU Mewbourne College of Earth and Energy. OGS is charged with investigating the state's land, water, mineral, and energy resources, and disseminating the results of those investigations to promote the wise use of Oklahoma's natural resources consistent with sound environmental practices.

Oklahoma State University 448
 OSU School of Geology
 105 Noble Research Center
 Stillwater, Oklahoma 74078
 United States
 Michael Grammer
 +1 405 744 6358
 michael.grammer@okstate.edu
 geology.okstate.edu

ONHYM – Kingdom of Morocco 126
 5 Avenue Moulay Hassan
 Rabat 10010
 Namibia
 Asaad Ezzaher
 +212 6 67 65 69 40
 ezzaher@onhym.com
 www.onhym.com
 ONHYM is the key public agency in the field of E&P in Morocco. Our main missions are:

- Fostering petroleum exploration in Morocco
- Promoting the involvement of international E&P players in the Moroccan exploration effort
- Deepening the G&G understanding of the Moroccan sedimentary basins
- Putting into production commercial discoveries to supply the increasing national energy demand

Paleo Minerals Company, LLC . 318
 1215 Apples Wy
 Belgrade, Montana 59714
 United States
 Patrick Redmond
 +1 406 209 2054
 paleomineralsusa@gmail.com
 Paleo Minerals Company was established in 2019 by Patrick Redmond and Mary Getz. Pat worked his entire career as a geotechnical engineer and geologist in Montana. Mary Getz of Bakersfield, California has been buying and selling minerals and fossils for more than 20 years and has previously sold at the AAPG annual convention and at regional AAPG gatherings under the name Maura's Treasure Box.

Paleo-Data, Inc...... 1051
 6619 Fleur de Lis
 New Orleans, Louisiana 70124
 United States
 Ryan Weber
 +1 504 488 3711
 ryan@paleodata.com
 www.paleodata.com
 Domestic and International Biostratigraphic Services, complete wellsite paleo, supported onshore and offshore GOM paleo database, in-house lab, sample storage, and hot-shot services. We also provide client workshops and custom projects.

PDS Group 1145
 Lange Kleiweg 10
 2288 GK Rijswijk
 The Netherlands
 +31 (0)70 312 0770
 www.pds.group
 PDS Group is a globally established supplier of petrotechnical software and technical consulting services. PDS Ava's cutting-edge, cloud-hosted software, Ava Clastics, Ava Saturation, and all new Ava Structure, allow you to create more representative reservoir models. Visit our booth to learn more about our technologically robust, repeatable, auditable, and customizable solutions.

Perupetro S.A. 117
 Av. Luis Aldana 320
 San Borja
 Lima 41
 Peru
 Vilma Ruiz
 +51 1 206 1800
 vruiz@perupetro.com.pe
 www.perupetro.com.pe

PetroCubic 1344
 5840 San Felipe St
 Ste 500
 Houston, Texas 77057
 United States
 petrocubic.com
 Find and Hire petroleum consultants online. Use petrocubic WorkSpaces to work with industry's leading software on pay-as-you-go model.

Petroleum Commission, Ghana 109
 Plot 4A, George Bush Hwy
 PO Box CT 228
 Accra 233302
 Ghana
 Vincent Yankey
 +233 302 953392
 vincent.yankey@petrocom.gov.gh
 www.petrocom.gov.gh

Petroleum Corporation of Jamaica 143
 36 Trafalgar Road
 Kingston 10
 Jamaica
 Brian Richardson
 +876 929 5380/9
 brian.richardson@pcj.com
 The Petroleum Corporation of Jamaica (PCJ) is the government entity mandated to manage Jamaica's energy needs in a manner that supports the overall strategy for national development. The PCJ, as mandated by the Petroleum Act of 1979, will undertake the development and promotion of Jamaica's energy resources and will seek, where necessary, business partners through joint ventures with the private sector.

Petroleum Directorate Sierra Leone 125
 20 Mandalay Street
 Kingtom
 Freetown
 Sierra Leone
 Timothy M. Kabba
 +232 76 934 000
 directorgeneral@pd.gov.sl
 www.pd.gov.sl; www.pd-sl.com
 The Petroleum Directorate coordinates the award of Petroleum Licenses, negotiates the terms of all Petroleum Licenses, monitors, regulates, and facilitates upstream petroleum activities on behalf of the State; and develops regulations for the upstream petroleum sector throughout the entire Petroleum Value Chain.

Petroleum Experts 337
 Petex House
 10 Logie Mill
 Edinburgh EH7 4HG
 United Kingdom
 +44 131 474 7030
 edinburgh@petex.com
 www.petex.com
 We are the global standard in petroleum engineering and structural geology software tools. Petroleum Experts (Petex) is a petroleum engineering and structural geology company, developing a wide range of software tools. We are a team of highly skilled professionals with extensive experience in petroleum engineering, structural geology, and engineering software.

PetroSeychelles 145
 1st Floor Seypec House
 New Port
 Victoria, Mahe
 Seychelles
 Patrick Joseph
 +248 4324422
 p.joseph@petroseychelles.com
 www.petroseychelles.com
 PetroSeychelles is a parastatal company regulating the upstream petroleum sector in Seychelles. The company ensures that Operators maintain highest standards of international Oilfield Practice and environment preservation. PetroSeychelles comprises a core group of qualified professionals undertaking its mandated tasks with low overhead. The company plans to grow as commercial discoveries occur.

PetroSkills 417
 2930 S Yale Ave
 Tulsa, Oklahoma 74114
 United States
 Clay Kindred
 +1 918 828 2503
 clay.kindred@petroskills.com
 www.petroskills.com
 PetroSkills solutions are built on extensive real-world experience from every corner of the oil and gas value chain. We combine direction from our Alliance member companies with the knowledge of seasoned industry experts to provide the world's largest offering of competency-based training open to the public or on an in-house basis; as well as comprehensive e-learning and virtual courses.

PetroStrat..... 223

1544 Sawdust Rd, Ste 506
The Woodlands, Texas 77380
United States
F. John Gregory
+44 1727 747071
john.gregory@petrostrat.com
www.petrostrat.com

Petrosys USA..... 621

5615 Kirby Dr
Ste 440
Houston, Texas 77005
United States
Volker Hirsinger
+1 713 580 2910
volker.hirsinger@petrosys-usa.com
www.petrosys.com.au
Petrosys is the leader in mapping, modeling and data management solutions for the oil and gas industry. Petrosys PRO mapping accesses well, sub-surface interpretation, fault and spatial data directly from connected G&G applications and databases to run geologically aware surface operations, depth time conversions, volumetric calculations; and to create high quality and easily reproducible maps.

PGS..... 437

4 The Heights
Weybridge
Surrey KT13 0NY
United Kingdom
+44 1932376000
PGS is a leading, international, marine geophysical company that provides advanced subsurface images, plus 2-D and 3-D data, which oil and gas companies use to find and produce hydrocarbon reserves. The PGS headquarters is in Oslo, Norway and the PGS share is listed on the Oslo stock exchange (OSE: PGS).

Philippine Department of Energy..... 206

DOE Bldg, Energy Center, Rizal Dr
Bonifacio Global City
Taguig City, Metro Manila 1632
Philippines
Demujin F. Antiporda
+632 8124016
dfa68@yahoo.com
www.doe.gov.ph/pcecp
The Philippine Department of Energy will be promoting its new petroleum exploration, development and production contracting program, the Philippine Conventional Energy Contracting Program (PCECP), which now introduces a new mode of awarding of Petroleum Service Contracts (PSCs) in the Philippines through nomination of areas that are outside the Pre-Determined Areas (PDAs) for offer of the DOE.

Platte River Associates, Inc..... 444

2790 Valmont Rd
Boulder
Colorado, Colorado 80304
United States
3034480480
info@platte.com
www.Platte.com
Platte River Associates, Inc. is an industry leading provider of petroleum systems modeling solutions that support the evaluation of hydrocarbon potential. With more than 400 man years of global modeling experience on a wide variety of studies, PRA provides short consulting projects to build simple maturity models, multi-dimensional petroleum systems modeling and multi-year play fairway analysis studies.

Polarcus US, Inc. 927

920 Memorial City Wy
Houston, Texas 77024
United States
Francisco Colina
+1 281 953 9500
francisco.colina@polarcus.com
www.polarcus.com

Polish Geological Institute – National Research Institute ... 110

4, Rakowiecka St
00-975 Warsaw
Poland
+48 22 45 92 001
biuro@pgi.gov.pl
www.pgi.gov.pl
The Polish Geological Institute – National Research Institute (PGI-NRI) was founded in 1919. The Institute ensures national security in the area of mineral resources management. The 5 most perspective tender areas for hydrocarbon exploration are announced in 2019 as the 4th licensing round. PGI-NRI is supervised by the Ministry of the Environment – concession authority on the territory of Poland.

Porotechnology..... 821

201 Kingwood Medical Dr
Ste B300
Kingwood, Texas 77339
United States
Josh Dill
+1 713 806 6438
josh@porotechnology.com
www.porotechnology.com
Porotechnology is a core analysis company located in the Houston Area that specializes in MICP analysis. We also have soxhlet extraction cleaning, XRD, XRF, TOC, SEM, and gas absorption capabilities. Our workflow capabilities provides customers with excellent turnaround time on all projects.

Premier Oilfield Group..... 229

11335 Clay Rd
Ste 180
Houston, Texas 77041
United States
Bradi Cruz
+1 713 962 1918
bradi.cruz@pofg.com
www.pofg.com
WE ARE PREMIER. We believe the data-driven oil and gas industry is here, and that generating and sharing relevant data from rock and fluid samples is the key to more effective and efficient hydrocarbon development. We generate, aggregate, interpret, and deliver consistent, high-quality data that are of immediate value to oil and gas companies.

Quantum Analytics 929

3400 East Third Ave
Foster City, California 94404
United States
Lauren Armstrong
+1 650 312 0900
larmstrong@lqa.com
www.LQA.com
Quantum Analytics is a value-added distributor of analytical instrumentation. We offer products related to gas chromatography (GC and GC/MS), liquid chromatography (HPLC & LC/MS), mass spectrometry, SIFT-MS, pyrolysis, thermal desorption, FTIR, NIR, microanalysis, combustion analysis, XRD, XRF and other techniques. We offer financing on new and refurbished instrumentation. Visit www.LQA.com.

**Raptor Consulting, Inc. 410**

80 Emerson Ln
Ste 1307
Bridgeville, Pennsylvania 15017
United States
Robert McCue
+1 412 221 4499
robert.mccue@raptorconsult.com
raptorconsulting.com
Well Site Geology and Geosteering Services, Performance Analytics, Safety Training and Certification, Providing Services throughout the Appalachian Basin and Mid-Continent Region.

Red Rio Petroleum..... 213

8308 Spinnaker Cove
Las Vegas, Nevada 89128
United States
Frederik Dekker
+1 702 360 4376
fdekker@wt.net
New exploration blocks offshore in the Western Sahara (SADR).

Refine Energy Services/ AJ Environmental Consulting, Inc. 219

1002 Gemini Ave
Ste 226
Houston, Texas 77586
United States
Julie Bruhn
+1 832 284 4065
julie@ajenvirocon.com
Refine Energy Services is the proprietor of ecoSpersa, a cost-effective, environmentally friendly bio-remediation agent used for in-situ remediation of hydrocarbon contaminated water and soil. AJ Environmental Consulting is a full-service environmental firm specializing in Environmental Site Assessments and Risk-Based Corrective Action. AJ Environmental is an authorized distributor of ecoSpersa.

Reservoir Group..... 1636

6360 W Sam Houston Pkwy N
Houston, Texas 77041
United States
+1 713 4667400
info@reservoirgroup.com
www.reservoirgroup.com
Reservoir Group is a world-class niche oilfield services company that has been addressing customer challenges for more than 70 years. We partner with E&P operators and large service companies to provide tools and expertise during drilling, completions and production operations. Reservoir Group is a global company with 51 operating locations in 27 countries on six continents.

Rigaku..... 1224

9009 New Trails Dr
The Woodlands, Texas 7738
United States
Michelle Goodwin
+1 281 362 2300
michelle.goodwin@rigaku.com
www.rigaku.com
Rigaku Corporation provides the world's most complete line of X-ray diffraction and X-ray fluorescence instruments and components, including benchtop XRD and XRF systems, X-ray optics and detectors, single crystal diffractometers for chemical crystallography, multi-purpose diffractometers with SAXS and in-plane capabilities, and high-powered WDXRF spectrometers.

Riley Geological Consultants, Inc. 1247

12208 CR 3100
Slaton, Texas 79364
United States
Wade Losee
+1 806 828 5120
wade@rileygeo.com
www.rileygeo.com
Riley Geological Consultants, Inc. is full service well site mudlogging provider with more than 20 years of experience in more than 45 counties in Texas, New Mexico, and Oklahoma. From collecting samples to hydrocarbon analysis you can rely on the Riley Team to get the job done. It is our mission and desire to provide our clients with the highest standard of mud logging expertise available.

Rock Flow Dynamics 1148

2200 Post Oak Boulevard
Ste 1260
Houston, Texas 77056
United States
www.rfdyn.com

Rockwell Consulting 745

#209, 5718 - 1A St SW
Calgary, Alberta T2H 0E8
Canada
Stephan Dragomir
+1 403 831 9941
stephan.dragomir@rockwellconsulting.ca
www.rockwellconsulting.ca
Professional wellsite supervision and remote geo-steering by experienced geologists. Personalized service, timely/thorough reporting, competitive rates. Our experience (conventional/unconventional, vertical/deviated/ HZ wells) assist to keep wellbore on target, deliver best possible production and data collection. Priority: developing strong relationships to support the needs of our clients.



Rocky Mountain Association of Geologists 1222

1999 Broadway
Ste 730
Denver, Colorado 80202
United States
Barbara Kuzmic
bkuzmic@rmag.org
www.rmag.org
RMAG is the fastest growing geological society in the west. Stop by our booth and join today! We have a stellar field trip line up in 2019, including a week long Permian Basin field trip and short course led by Dr. Rick Sarg. Are you a consultant or instructor? Want to teach a short course or core workshop in Denver? Stop by and speak with Barbara Kuzmic, Executive Director.

ROGII, Inc..... 1329

11750 Katy Fwy
Ste 1010
Houston, Texas 77079
United States
kamilla niz
+1 346 714 8694
kamilla@rogii.com
rogii.com
As the fastest growing geoscience IT company, Rogii provides world-class software solutions for the oil and gas industry. Through its dedicated development team and constant evaluation of the market needs, Rogii is able to provide revolutionary technology that enhances everyday productivity and efficiency.

RPS 516

20405 Tomball Pkwy
Ste 200
Houston, Texas 77070
United States
www.rpsgroup.com
Founded in 1970, RPS is an independent leading global professional services firm of 5,600 consultants and service providers. We work across six sectors: energy, property, transport, water, resources, defence, and government services. Located in 125 countries across all six continents we define, design and manage projects that create shared value to a complex, urbanising and resource-scarce world.

Saudi Aramco 537

1200 Smith St Fl 31
Houston, Texas 77002
United States
+1 713 432 4000
www.aramco.jobs
Saudi Aramco's boilerplate is below and should be used as you see it. The brand for downstream is Aramco, even in Kingdom. If you have any questions as something is being drafted in copy or use of a brand, please let us know. Since we approve all external communications content and logo use, we can adjust as needed during the review process and solve for brand and logo agreement as needed.

Schlumberger 1136

4646 W Sam Houston Pkwy N
Houston, Texas 77042
United States
info@slb.com
www.slb.com
Schlumberger is the world's leading supplier of technology, integrated project management and information solutions to customers working in the oil and gas industry worldwide. Schlumberger provides the industry's widest range of product and services from exploration through production.

Science Is Never Settled 1245

1150 Parkview Ln 4875
Jackson, Wyoming 83001
United States
Peter Ward
+1 307 413 4055
peward@wyoming.com
WhyClimateChanges.com
A not-for-profit dedicated to educating the public about Science, how Science is done, how Science can improve public safety, and how Science can illuminate public policy issues in an increasingly technological world. Our primary focus since 2006 has been on the causes and effects of climate change.

SEG – Society of Exploration Geophysicists 705

8801 S Yale Ave
Ste 500
Tulsa, Oklahoma 74137
United States
Carolyn Hall
+1 918 497 5500
chall@seg.org
www.seg.org
The Society of Exploration Geophysicists is committed to connecting and inspiring the people and science of applied geophysics. With more than 20,000 members in 128 countries, SEG provides educational and technical resources to the global geosciences community through publications, books, events, forums, professional development courses, young professional programs, and more.

SeisWare, Inc. 847

7676 Hillmont
Ste 135
Houston, Texas 77040
United States
Jeff Bectold
+1 403 265 6577
jbectold@seisware.com
www.seisware.com
We develop upstream energy software solutions, such as our suite of geoscience interpretation software, Geophysics by SeisWare, and Geology by SeisWare. Our newest product, launched in 2018, is Field Development by Seisware, a tool that automates well pad planning and field development in unconventional plays.

Seitel 1129

10811 S Westview Circle Dr
Bldg C Ste 100
Houston, Texas 77043
United States
Liza Yellott
+1 713 881 8900
lyellott@seitel.com
seitel.com
Seitel offers top-notch acquisition services for new surveys as well as custom data processing. Clients count on us to provide the right data at the right prices so that they can bring certainty to their drilling plans and gain the competitive edge. Clients also know that with Seitel they are getting a partner that values long-term relationships built on trust, integrity, and assured delivery.

Selman & Associates, Ltd. 610

PO Box 61150
Midland, Texas 79711
United States
Tom Selman
+1 432 563 0084
tselman@selmanlog.com
www.selmanlog.com
Selman & Associates provides geological consulting and surface logging services. We operate over 55 fully equipped computerized surface logging units, and 15 WITSender® logging units. These mobile field laboratories are equipped with Selman's SLIC® or FID systems, the latest in gas detection technology, computerized digital data analysis, high speed Internet access, communications and on-call 24 hours a day.

SEPM – Society for Sedimentary Geology 1529

1621 S Eucalyptus Ave
Ste 204
Broken Arrow, Oklahoma 74012
United States
Hayley Cooney
+1 918 994 6216
hcooney@sepm.org
www.sepm.org
SEPM is dedicated to the dissemination of scientific information on sedimentology, stratigraphy, paleontology, marine geology, hydrogeology, and many related specialties. The Society supports members by publication of two major scientific journals, Journal of Sedimentary Research (JSR) and PALAIOS, in addition to producing technical conferences, short courses, and Special Publications.

SGS 1343

1450, 407 2nd St SW
Calgary, Alberta T2P 2Y3
Canada
Marc Enter
+1 403 669 3173
marc.enter@sgs.com
SGS's Advanced Reservoir Quality Services is a lab-based lithological characterization and interpretation package centred on a novel automated mineralogical analysis system (QEMSCAN) along with complementary geo-analytical services such as XRD, FTIR, XRF, ICP-MS/AES, Leco, ISE, SEM, Optical Petrography, and organic geochemistry. This package offers a complete solution for cuttings analysis.

Shearwater Geoservices Limited 1346

1080 Eldridge Pkwy
Ste 1100
Houston, Texas 77077
United States
Phil Schearer
+1 281 948 9312
rdoubell@shearwatergeo.com
www.shearwatergeo.com
Shearwater's modern fleet, expert imaging teams, and innovative software offer exceptional results. Our Processing and Imaging department provide agile, responsive qualified experts enabling reduced costs and flexibility. The Shearwater intuitive processing software solution, Reveal, offers modern, powerful and extensible, seismic data analysis. Shearwater is the cutting edge geophysical services company.

Societe des Petroles du Senegal 107

Route du service géographique
HANN
Dakar 2076
Senegal
Bintou Wone Aidara
+221 77 740 65 54
bwone@petrosen.sn

**Sourcewater, Inc. 844**

1301 Fannin St
Ste 2440
Houston, Texas 77002
United States
Joshua Adler
+1 713 909 4664
josh@sourcewater.com
www.sourcewater.com
Sourcewater is the leading oilfield water intelligence platform. Sourcewater gathers data from its water marketplace, satellite imagery, government databases, and market research to show you where every barrel of water comes from and goes for disposal, injection, or recycling in the Permian Basin and other plays. Our new dirt work detection scans predict drilling six months ahead of permits. Visit booth 844.

South Texas Geological Society (STGS) 405

PO Box 17805
San Antonio, Texas 78063
United States
Tom Fett
+1 210 289 7128
medinalake@msn.com
www.stgs.org
Don't forget the South Texas Geological Society (STGS) sponsored Charro Rodeo on Tuesday Night (May 21, 2019) from 6:00 pm–9:30 pm. Details and registration are on the AAPG ACE2019 website.

Southwest Research Institute 617

6220 Culebra Rd
San Antonio, Texas 78238-5166
United States
Kevin Smart
+1 210 522 5859
kevin.smart@swri.org
geoscience.swri.org
Southwest Research Institute® (SwRI®), an independent, nonprofit R&D organization in San Antonio, Texas, provides structural geology and geomechanics solutions for the oil and gas industry worldwide. These include mechanical stratigraphy, fracture analysis, stress analysis, geomechanical modeling, 2-D/3-D cross-section restoration, joint industry projects, and training and field seminars.

Spectrum Geo, Inc. 827

11750 Katy Fwy
Ste 900
Houston, Texas 77079
United States
+1 281 647 0602
spectrumgeo.com
With an unparalleled blend of world-class geological and geophysical insight, high quality Seismic Imaging services, ambitious new 3-D seismic acquisition programs, and the world's largest 2-D marine Multi-Client seismic library, Spectrum makes the ideal partner for your next Exploration Journey.

Springer Nature 201

233 Spring St
New York, New York 10013
United States
Antoinette Wessel
exhibits@springernature.com
www.springernature.com
Springer Nature is one of the world's leading global research, educational and professional publishers, home to an array of respected and trusted brands providing quality content through a range of innovative products and services. Springer Nature is the world's largest academic book publisher and numbers almost 13,000 staff in more than 50 countries.
www.springernature.com

Stone Quilt Design 325

6755 Ranch Ln
Morrison, Colorado 80465
United States
Susan Judy
+1 720 340 2132
susan@stonequiltedesign.com
www.stonequiltedesign.com
Susan Judy creates abstract and geologic stone relief sculptures with semi-precious earth materials. Her passion is stone – every specimen is a snapshot into geologic time, both beautiful to behold and mysterious to comprehend. Susan exhibits at various art and geologic venues in the US and Canada. Her work is held in private and public collections internationally.

Stratagraph, Inc. 312

PO Box 53848
Lafayette, Louisiana 70505
United States
William Hagan
+1 337 232 5510
wahagan@stratagraph.com
www.stratagraph.com
A premier service company since 1961, serving the southern United States from Lafayette, Louisiana and Odessa, Texas. We offer geological services such as mud logging, geosteering, mass spec, and rock analysis.

StratoChem Services North America 1323

15222 Summer Bounty Trl
Cypress, Texas 77429
United States
Hunter Eden
+1 720 648 7850
hunter.eden@stratochemlabs.com
www.stratochem.com
Founded in 1989, StratoChem Services is one of the world's most respected organic geochemical labs, offering a wide variety of rock, oil, and gas analyses and scientific interpretation to E&P companies around the world, as well as a line of proprietary data-processing software and an active research and development program. With StratoChem, expect more than data; expect solutions.

StructureSolver, LLC 916

Energy Corridor
Houston, Texas 77043
United States
Mary Rogan
+1 925 963 9820
mary@structuresolver.com
www.structuresolver.com
StructureSolver is the practical software for structural analysis. Use StructureSolver to develop structurally valid interpretations and reduce risk.

1. Rapid restoration of simple and complex structures
2. Create models to validate your fault and horizon interpretations
3. Area-depth graph analysis and structural modeling to determine fault trajectories and analyze strain.

Subsurface Consultants & Associates, LLC (SCA) 1028

10700 Richmond Ave
Ste 325
Houston, Texas 77042
United States
Mary Atchison
+1 713 789 2444
matchison@scacompanies.com
www.scacompanies.com
SCA provides upstream consultancy and training to the O&G industry. Our primary services include; geoscience and engineering consulting, project and studies, training and direct hire recruitment.

Sunburst Consulting 746

PO Box 80507
Billings, Montana 59108
United States
Jim Suydam
+1 406 259 4124
js@sunburstconsulting.com
www.sunburstconsulting.com
Sunburst Consulting provides complete well site geologic consultation and operational support to the oil and gas industry including mud logging, geologic supervision, gas analysis, on site and remote geosteering, post-well geosteering, pre-well planning, database and mapping, PEC SafeLand training, regulatory representation.

Targeted GeoVision & DataLog Geological Services . . 721

231 W 17th St
Houston, Texas 77008
United States
Ernest Fuhrmann
+1 888 938 7393
efuhrmann@dataloggs.com
www.dataloggs.com
DataLog Geological Services' reputation for unsurpassed quality and integrity place us as the industries premier mud logging and wellsite service company. GeoVision has pioneered the practice of "boutique geosteering" where our service is customized to the individual client's requirements and specifications. Headquartered in Houston, Texas, we are the preeminent geological services partnership.

Task Fronterra Geoscience . . . 947

3701 Kirby
Ste 840
Houston, Texas 77098
United States
Andy Duncan
+1 832 661 0709
andy.duncan@taskfronterra.com
www.taskfronterra.com
Task Fronterra Geoscience is an independent geological consulting company specializing in: Processing, QC, and geological interpretation of borehole image logs. Core integration, description, and interpretation. We have a global presence with offices in Houston (US), Aberdeen (UK), and Perth (Au). Comprehensive experience in most sedimentary basins worldwide and in all depositional systems.

TDI-Brooks International, Inc. 1229

14391 S Dowling Rd
College Station, Texas 77845
United States
Melissa Wood
+1 713 208 1734
melissawood@tdi-bi.com
www.tdi-bi.com
TDI-Brooks is a scientific data acquisition company specializing in multi-disciplinary oceanographic projects covering environmental baseline surveys, geochemical "seep hunting" exploration, heat flow, offshore survey projects including seabed geotechnical, cable route, wind farm, metocean, multi-disciplinary oceanographic, high-end environmental chemistry, renewables, and marine sciences.

TEECsolutions, LLC 319

3100 Wilcrest Dr
Ste 325
Houston, Texas 77042
United States
Philip Schlueter
+1 281 763 7570
schlueter@teecsolutions.com
teecsolutions.com
TEECsolutions processing and interpretation techniques for the E&P industry, such as 2-D/3-D/4-D seismic data processing of land/marine data in time and depth domain, AVO processing, acoustic/elastic inversion, coherency processing and neural network facies classification. TEEC is industry leader in CRS technology. Seismic processing technology provides superior imaging of steeply dipping events.

TerraCore 522

5301 Longley Ln
Ste 157
Reno, Nevada 89511
United States
Dave Browning
+1 775 432 6806
dbrowning@terracoregeo.com
www.terracoregeo.com
TerraCore is your hyperspectral partner providing efficient hyperspectral solutions for high-quality mineralogical analysis and high-resolution photography of drill core and chips. Using short-wave and long-wave (thermal) spectral techniques, a wide range of minerals can be detected. TerraCore offers a wide range of portable, hyperspectral products and services designed for mineralogic investigations.

TerraEx Group 816

1303 Cody Trl
Golden, Colorado 80403
United States
Catalina Luneburg
+1 303 319 3043
info@terraexgroup.com
www.terraexgroup.com
TerraEx is a competitive company for Geoscience training, coaching, and consulting with an outstanding team of industry-renown experts and a completely client-driven business model. All services are entirely customizable and modular adjusting to client's topics and challenges as well as schedules and workflows. Our consulting and project coaching services are cutting edge quality and efficiency.

Texas A&M University College of Geosciences. 300

3148 TAMU
College of Geosciences
College Station, Texas 77843
United States
Chris Mouchyn
+1 979 845 3651
mouchyn@tamu.edu
geosciences.tamu.edu
The College of Geosciences at Texas A&M University offers a comprehensive program in geoscience research, education and engagement. It is made up of a unique mix of academic departments and programs that examine the solid Earth, the atmosphere, the oceans, and human cultures to address the intimate relationships between people and Earth systems.

Texas Christian University 451

TCU Box 298830
Fort Worth, Texas 76129
United States
Richard Denne
+1 817 257 4423
r.denne@tcu.edu
energyinstitute.tcu.edu
The faculty of the TCU Geological Sciences Department are dedicated to creating unique teaching and research opportunities for students interested in meeting the challenges related to natural resources and energy. The department partners with the TCU Energy Institute, which houses a world-class collection of industry cores from most of the US's major unconventional resource plays.

TGS 737

10451 Clay Rd
Houston, Texas 77041
United States
Danielle Landry
+1 713 860 2100
danielle.landry@tgs.com
www.tgs.com
TGS is the world's largest geoscience data company, known for its asset-light, multi-client business model and global data library. TGS employs approximately 550 employees and has its corporate headquarters in Asker, Norway and its operational headquarters in Houston, Texas, USA

The Open Group 1146

800 District Ave Ste 150
Burlington, MA 01803
United States
Steve Borchert
s.borchert@opengroup.org
www.opengroup.org
The Open Group is a global consortium with over 650 member organizations that enables the achievement of business objectives through technology standards. The Open Subsurface Data Universe™ (OSDU) Forum is developing a standard data platform for the oil and gas industry, which will reduce silos and put data at the center of the subsurface community. For more information visit www.opengroup.org/OSDU

Thermo Fisher Scientific. 612

16700 Park Row Dr
Houston, Texas 77084
United States
Germaine Siraudin
germaine.siraudin@thermofisher.com
www.thermofisher.com/pergeos
Thermo Fisher Scientific is the world leader in serving science. From X-ray CT to SEM and optical images, PerGeos Software is a unique solution for Digital Rock Analysis. Its visualization, processing, and analysis of 2D and 3D digital rock imagery enables improved evaluation of reservoir quality and faster understanding of static and dynamic rock properties. Learn more thermofisher.com/pergeos

TOTAL 1236

2 Coulee Jean Millier – La Défense 6
Boisvoisine 92400
France
+33 1 47 44 45 46
Total is a major energy player, which produces and markets fuels, natural gas and low-carbon electricity. Our 100,000 employees are committed to better energy that is safer, more affordable, cleaner, and accessible to as many people as possible. Active in more than 130 countries, our ambition is to become the responsible energy major.

TRICON Geophysics 1225

10111 Richmond
Houston, Texas 77042
United States
Dave Williams
+1 713 532 5006
dave.williams@tricongeophysics.com
www.tricongeophysics.com
Seismic Imaging
Reservoir Services
Petrophysics

U. S. Geological Survey. 317

Box 25046 Denver Federal Center
MS 939
Denver, Colorado 80228
United States
Nick Gianoutsos
+1 303 236 1660
ngianoutsos@usgs.gov
energy.usgs.gov
The USGS Energy Resources Program (ERP) conducts research and assessments on the location, quantity, and quality of mineral and energy resources. The ERP provides reliable and impartial scientific information on geologically based energy resources, including: oil, natural gas, coal, coalbed methane, gas hydrates, uranium, and oil shale.

Ulrich's Fossil Gallery 1144

4400 Fossil Butte Rd
PO Box 308
Kemmerer, Wyoming 83101
United States
Shirley Ulrich
+1 397 877 6466
ulrichsfossilgallery@gmail.com
ulrichsfossilgallery.com
We quarry and prepare fossils from the Eocene Era. Our product line includes unprepared fossils as well as prepared fossils, framed and unframed. We also offer tours to our quarry for Do-it-Yourself digs.

United Kingdom Oil & Gas Authority. 242

48 Huntly St
Aberdeen AB10 1SH
United Kingdom
Nick Richardson
+44 300 020 1010
nick.richardson@ogauthority.co.uk
www.ogauthority.co.uk
The Oil and Gas Authority's role is to regulate, influence and promote the United Kingdom (UK) oil and gas industry in order to maximise the economic recovery of the UK's oil and gas resources. We seek to be a progressive and highly effective authority, doing all we can to attract investment and with that jobs, helping to anchor valuable skills and expertise.

University of Alabama. 305

Department of Geological Sciences
PO Box 870338
Tuscaloosa, Alabama 35487
United States
Berry Tew
+1 205 247 3679
bhtew@ua.edu
www.csbs.ua.edu

University of Houston, Department of Earth and Atmospheric Sciences 1541

3507 Cullen Blvd, Ste 312
Science and Research Bldg 1
Houston, Texas 77204
United States
Don Van Nieuwenhuise
+1 713 743 3423
donvann@uh.edu
www.uh.edu/nsm/earth-atmospheric
The Dept. of Earth and Atmosph. Sciences at Univ. of Houston has a wide range of research programs including clastic and carbonate sedimentary, sequence stratigraphy, biostratigraphy, structural geology, tectonics, petroleum geochemistry, applied geophysics, and others. We offer Professional M.S. programs in Petroleum Geology and Geophysics and petroleum geoscience-related short courses.

University of Kansas Department of Geology 650

1414 Naismith Dr
Ritchie Hall Rm 254
Lawrence, Kansas 66049
United States
Jennifer Roberts
+1 785 864 1960
jenrob@ku.edu
www.geo.ku.edu
KU Geology offers brand new state-of-the-art facilities, top-ranked carbonates, paleontology and geophysics programs, as well as glaciology, hydrogeology, tectonics, and geochronology programs supported by grants and contracts from sources such as the NSF and NASA and others. KU Geology also hosts a thriving industry-academic partnership called The Kansas Interdisciplinary Carbonates Consortium.

University of Leeds 1049

School of Earth and Environment
University of Leeds
Leeds LS2 9JT
United Kingdom
Rachael Spraggs
+44 113 343 3057
r.e.spraggs@leeds.ac.uk
petroleum.leeds.ac.uk
Petroleum Leeds brings together the Engineering and Geoscience expertise that is relevant to the oil and gas industry at the University of Leeds to create a world-leading research centre.

University of Miami, CSL-Center for Carbonate Research 723

4600 Rickenbacker Cswy
Miami, Florida 33149
United States
Karen Neher
+1 305 421 4684
kneher@rsmas.miami.edu
www.cslmiami.info
Conducts integrated research to better understand the processes controlling carbonate systems and reservoirs. Offer a certificate program in "Applied Carbonate Geology."

**University of Oklahoma
Geology and Geophysics** 648
100 E Boyd - Rm 710
Norman, Oklahoma 73019
United States
www.ou.edu/mcee/geology

**University of Texas at
Austin, Jackson School of
Geosciences** 504
1 University Station, C1100
Austin, Texas 78712
United States
Philip Guerrero
+1 512 471 6098
philipg@mail.utexas.edu
www.jsg.utexas.edu

**University of Texas Permian
Basin** 446
4901 E University Blvd Geology
Odessa, Texas 79762
United States
Sumit Verma
+1 432 552 2242
Verma_S@utpb.edu
www.utpb.edu

**University of Texas at
San Antonio (UTSA)** 1547
One UTSA Circle
Department of Geological Sciences
San Antonio, Texas 78249
United States
Alexis Godet
+1 210 458 4455
alexis.godet@utsa.edu
www.utsa.edu/geosci
The University of Texas at San Antonio is a public urban serving university that advances knowledge through research and discovery, teaching and learning, community engagement and public service. UTSA embraces multicultural traditions and serves as a center for intellectual and creative resources as well as a catalyst for socioeconomic development and the commercialization of intellectual property.

University of Tulsa - CESE 817
800 S Tucker Dr
Henneke Bldg
Tulsa, Oklahoma 74104
United States
+1 918 631 3088
cese@utulsa.edu
www.cese.utulsa.edu
Providing lifelong learning/professional education training programs to the global community for more than 35 years. Rooted in TU's core values, our training programs emphasize real world application and help participants succeed in their career goals. Training is a benefit to today's workforce and helps employers retain a good workforce. TU-CESE: Your Training Resource!

USLandGrid 1445
600 17th St
2800 South
Denver, Colorado 80202
United States
Anthony Ford
+1 877 870 8872
aford@uslandgrid.com
www.uslandgrid.com
USLandGrid provides high resolution data including land grid data, well and production data, tax parcel data and cultural related data – all with seamless integration into most geology software applications.

Vinci-Technologies 546
27b rue du port
Nanterre 92022
France
Nicolas Bouton
+33 1 41379220
n.bouton@vinci-technologies.com
www.vinci-technologies.com

Weatherford Labs 726
5200 N Sam Houston Pkwy West
Houston, Texas 77086
United States
Tracie Walker
+1 713 256 2011
tracie.walker@weatherford.com
www.weatherfordlabs.com



WellLogData 948
200 Hyde Park Blvd
Houston, Texas 77006
United States
Ted Kernan
+1 607 267 2702
ted@welllogdata.com
www.welllogdata.com
WellLogData is a cloud-native geologic application for your modern data management needs. Connect to all your external and internal data sources once, and allow unlimited users to access subsurface knowledge in a geologic workflow. Search, retrieve, and visualize seismic, well logs, tops, perforations, DSTs, cores, and well documents all in one intuitive interface. We also provide low cost log digitization.

WellSight Systems Inc. 823
Ste 340, 600 Crowfoot Cres NW
Calgary, Alberta T3G 0B4
Canada
Teri McCallum
+1 800 447 1534
teri@wellsight.com
www.wellsight.com
WellSight Systems Inc. is the world's leading provider of Geological Strip Log software: StripLog, MudLog, and HorizontalLog for well site Geologists and Mud Loggers creates a digital record of downhole data & exports seamlessly to WellSight's 3-D Perspective. Perspective is a 3-D project planning, data recording, and geo-steering tool for multiple wells to visualize all relevant data while drilling.

**West Texas Geological
Society** 1026
PO Box 1595
Midland, Texas 79702
United States
Sanchez
+1 432 683 1573
wtgs@wtgs.org
www.wtgs.org

**Western Colorado
University** 1045
1 Western Way
Gunnison, Colorado 81231
United States
Bradford Burton
bburton@western.edu
western.edu/geology
Comprehensive undergraduate program in Petroleum Geology. M.S. in Petroleum Geology starting 2020. We deliver a comprehensive education in fundamental geology and upper division courses in Subsurface Methods, Exploration Geophysics, Petroleum Geology, and Unconventional Resources. All courses are taught by Ph.D.-holding professors with extensive petroleum industry experience.

Wildcat Technologies, LLC 751
218 Higgins St
Humble, Texas 77338
United States
Albert Maende
+1 281 540 3208
info@wildcattechnologies.com
wildcattechnologies.com
Wildcat Technologies manufactures HAWK Pyrolysis, TOC, and Carbonate Carbon Instrument. Analyze reservoir and source rocks for insights into estimated producible oil in place, mobile vs. immobile, and kerogen maturity. Designed for the lab or well-site for conventional and unconventional petroleum resources including applications for petroleum assessment (HAWK-PAM) and API Gravity prediction.

**Williston Basin Petroleum
Conference** 611
201 Dewdney Ave E
Regina, Saskatchewan S4N 4G3
Canada
Gavin Jensen
gavin.jensen@gov.sk.ca
The Williston Basin Petroleum Conference focuses on the petroleum industry research and development in the Williston Basin in southeast Saskatchewan, North Dakota, Montana, and Manitoba and on general petroleum industry technological developments that can enhance successes in this region

World Petroleum Congress ... 910

ZEISS Microscopy 919
1 Zeiss Dr
Thornwood, New York 10594
United States
Karin Salerno
+1 800 233 2343
info.microscopy.us@zeiss.com
www.zeiss.com/microscopy
Throughout the world, ZEISS stands for the highest quality and reliability. Carl Zeiss Microscopy is part of the Carl Zeiss group, a leading organization of companies operating worldwide in the optical and optoelectronic industry. As the world's only manufacturer of light, X-ray and electron/ion microscopes, ZEISS offers tailor-made systems for industry, materials research, and academia.

EXHIBITOR PRODUCTS AND SERVICES

Academic Research

The University of Texas at San Antonio (UTSA) 1447

Airborne Radar Remote Sensing/ Aerial Photography

CGG 527
EDCON-PRJ, Inc. 1120
Middleton Spectral Vision 1018
Sourcewater, Inc. 844

Analog Studies and Solutions

C&C Reservoirs 515

Artificial Intelligence, XRF Analysis, Geosteering

Cabra Consulting, Ltd. 912

Audiovisual and Teaching Aids

Elsevier 315
IKON Mining & Exploration 411
Interactive Geology Program (IGP) 1349

Basin Studies/Modeling Analysis

Abreu Consulting and Training – ACT-GEO 547
Apatite.com Partners 1448
Badley Geoscience, Ltd. 402
Basin Dynamics, LLC 707
Beicip, Inc. 822
Core Laboratories 505
Dolan Integration Group, LLC 245
Fracture ID 1450
GeoMark Research 1336
Getech, Inc. 447
IFP Energies nouvelles (IFPEN) 347
IHS Markit 427
ION 1036
Keele University 349
National Petrographic Service, Inc. 931
NRGX Technologies, Ltd. 647
Perceptum, Ltd. 118
Petroleum Corporation of Jamaica 143
Red Rio Petroleum 213
Rock Flow Dynamics 1148
StructureSolver, LLC 926
Task Fronterra Geoscience 947
TerraEx Group 816
U. S. Geological Survey 317
University of Kansas Department of Geology 650
University of Leeds 1049
University of Miami, CSL-Center for Carbonate Research 723

Bits/Downhole Tools/On-site Equipment

Advanced Logic Technology S.A. (ALT) 923
Cordax Evaluation Technologies 848
Forestry Suppliers, Inc. 747
Halliburton 936
Reservoir Group 1636
Vinci-Technologies 546

Climate

Science Is Never Settled 1245

Computer Consultant

Geo-Steering Solutions, Inc. 420
HSI Geosciences 946

Computer Graphics

Advanced Logic Technology S.A. (ALT) 923
Apatite.com Partners 1448

Badley Geoscience, Ltd. 402
Beicip, Inc. 822
Geo-Steering Solutions, Inc. 420
IFP Energies nouvelles (IFPEN) 347
Interactive Geology Program (IGP) 1349
ION 1036
Neuralog, LP 329
NRGX Technologies, Ltd. 647
Petrosys USA 621
Rock Flow Dynamics 1148
Sourcewater, Inc. 844
StructureSolver, LLC 926
Task Fronterra Geoscience 947
The Easy Copy Company 316

Computer Hardware for Exploration or Prospect Evaluation

Neuralog, LP 329

Computer Software

BHL BoreSight and BHL Consulting 1442
CGG 527
Digital Formation, Inc. 424
Drillinginfo, Inc. 1429
ELIIS 1328
Enthought 1020
Fairfield Geotechnologies and Ikon Science 605
Katherine Connors 520
LMKR – GeoGraphix/GVERSE 1436
Micotan Petroleum Software Solutions 949
PDS Group 1145
PetroCubic 1344
Petroleum Experts 337
Platte River Associates, Inc. 444
ROGII, Inc. 1329
SeisWare, Inc. 847
Selman & Associates 610
StratoChem Services North America 1323
Thermo Fisher Scientific 612
USLandGrid 1445
WellLogData 948
WellSight Systems, Inc. 823

Core Analysis/Storage/Coring

Abreu Consulting and Training – ACT-GEO 547
Advanced Logic Technology S.A. (ALT) 923
Basin Dynamics, LLC 707
Cabra Consulting, Ltd. 912
Cabral Energy 718
Canamera Coring 342
Chemostrat International 225
Chinook Consulting Services 1324
Core Laboratories 505
Corescan 620
Enthought 1020
GeoMark Research 1336
Halliburton 936
iCore Group, Inc. 646
Malvern Analytical 323
Middleton Spectral Vision 1018
Nanoscience Instruments 813
Paleo-Data, Inc. 1051
PoroTechnology 821
Reservoir Group 1636
Rigaku 1224
Rockwell Consulting 745
SGS 1343
Southwest Research Institute 617
Brooks International, Inc. 1229
TerraCore 522
The Easy Copy Company 316
Thermo Fisher Scientific 612

U. S. Geological Survey 317
University of Leeds 1049
Vinci-Technologies 546

Core Description Software

The Easy Copy Company 316

Data Management

Advanced Logic Technology S.A. (ALT) 923
Beicip, Inc. 822
CGG 527
Cordax Evaluation Technologies 848
Core Laboratories 505
Earth Signal Processing, Ltd. 343
Elsevier 315
Enthought 1020
Fairfield Geotechnologies and Ikon Science 605
Geoex, Ltd. 237
GeoMark Research 1336
Getech, Inc. 447
HSI Geosciences 946
Imaging Systems Group 414
Katherine Connors 520
LMKR – GeoGraphix/GVERSE 1436
Micotan Petroleum Software Solutions 949
MJ Logs 304
MultiClient Geophysical AS (MCG) 237
Neuralog, LP 329
NRGX Technologies, Ltd. 647
Paleo-Data, Inc. 1051
Perceptum, Ltd. 118
PetroSeychelles 145
Petrosys USA 621
Selman & Associates 610
Shearwater Geoservices Limited 1346
U. S. Geological Survey 317
USLandGrid 1445
WellLogData 948
WellSight Systems, Inc. 823

Data Services

C&C Reservoirs 515
Cordax Evaluation Technologies 848
Earth Signal Processing, Ltd. 343
Elsevier 315
iCore Group, Inc. 646
IHS Markit 427
Katherine Connors 520
Micotan Petroleum Software Solutions 949
Middleton Spectral Vision 1018
MJ Logs 304
NRGX Technologies, Ltd. 647
Paleo-Data, Inc. 1051
Perceptum, Ltd. 118
Riley Geological Consultants, Inc. 1247
Shearwater Geoservices Limited 1346
Sourcewater, Inc. 844
Task Fronterra Geoscience 947
USLandGrid 1445
WellLogData 948

Digital Record of Well Events

WellSight Systems, Inc. 823

Digital Rock Analysis

Thermo Fisher Scientific 612

Digitizing/Digital Products and Services

Advanced Logic Technology S.A. (ALT) 923
C&C Reservoirs 515
CGG 527
Elsevier 315

Enthought 1020
Halliburton 936
IFP Energies nouvelles (IFPEN) 347
Imaging Systems Group 414
KeAi Publishing 217
Micotan Petroleum Software Solutions 949
MJ Logs 304
Neuralog, LP 329
NRGX Technologies, Ltd. 647
PDS Group 1145
Rock Flow Dynamics 1148
Schlumberger 1136
Selman & Associates 610
Thermo Fisher Scientific 612
USLandGrid 1445
WellLogData 948

Drill Cuttings Analysis

SGS 1343

Drilling Contracting

Canamera Coring 342

E&P Project Economics and Evaluation

Baylor University Department of Geosciences 1047
C&C Reservoirs 515
Cabral Energy 718
Canamera Coring 342
Easy Copy Company 316
IHS Markit 427
ION 1036
Nautilus 516
Perceptum, Ltd. 118
PetroSeychelles 145
ROGII, Inc. 1329
RPS 516
Sourcewater, Inc. 844
Subsurface Consultants & Associates, LLC (SCA) 1028

Educational Animations for K-12 and Outreach

Interactive Geology Program (IGP) 1349

Education

Western Colorado University 1045

Educational Institution

Abreu Consulting and Training – ACT-GEO 547
Austin Geological Society 407
Baylor University Department of Geosciences 1047
Colorado School of Mines 551
EGI – Energy & Geoscience Institute 511
IFP Energies nouvelles (IFPEN) 347
Imperial College London 716
Interactive Geology Program (IGP) 1349
Keele University 349
King Fahd University of Petroleum & Minerals 1524
Mackay School of Earth Sciences & Engineering 1425
Texas A&M University College of Geosciences 300
Texas Christian University 451
The University of Texas at San Antonio (UTSA) 1447
University of Colorado 1349
University of Kansas Department of Geology 650
University of Houston 1541
University of Leeds 1049
University of Miami, CSL-Center

EXHIBITOR PRODUCTS AND SERVICES

for Carbonate Research 723
 University of Oklahoma Geology and
 Geophysics 648
 University of Tulsa – CESE 817

Engineering Consulting Services

Chinook Consulting Services 1324
 Cordax Evaluation Technologies 848
 Core Laboratories 505
 EGI – Energy & Geoscience
 Institute 511
 Nautilus 516
 PetroCubic 1344
 Petroleum Experts 337
 RPS 516
 Subsurface Consultants &
 Associates, LLC (SCA) 1028
 University of Leeds 1049

Environmental/Hydrogeological Services/Studies

Baylor University Department of
 Geosciences 1047
 Cabral Energy 718
 Geochemical Insight 243
 Refine Energy Services, Inc. 1119
 Refine Energy Services/AJ
 Environmental Consulting, Inc. 219
 Sourcewater, Inc. 844
 Southwest Research Institute 617
 TDI-Brooks International, Inc. 1229
 University of Kansas
 Department of Geology 650
 Executive Gifts
 IKON Mining & Exploration 411

Exploration Opportunities

Barbados Ministry of Energy
 & Water Resources 141

Field Appraisal

Basin Dynamics, LLC 707
 GeoMark Research 1336
 Subsurface Consultants &
 Associates, LLC (SCA) 1028

Field Instrumentation

Brucker Nano, Inc. 709
 Edge Systems 614
 Field Geo Services 308
 Forestry Suppliers, Inc. 747
 Future Geological
 Technologies, Inc. 1537
 Malvern Panalytical 323
 Middleton Spectral Vision 1018
 Nanoscience Instruments 813
 Quantum Analytics 929
 Reservoir Group 1636
 Rigaku 1224
 Selman & Associates 610
 Stratagraph, Inc. 312
 Wildcat Technologies, LLC 751

Fossil Recovery and Preparation

Ulrich's Fossil Gallery 1144

GEO 2020

GEO 2020 211

Geochemical Services and Consulting

Apatite.com Partners 1448
 BGP, Inc. 1027
 Cabra Consulting, Ltd. 912
 Chemostrat International 225
 Chemostrat, Inc. 749
 Core Laboratories 505
 Corescan 620
 Dolan Integration Group, LLC 245
 Excellence Logging 1123

Field Geo Services 308
 Fracture ID 1450
 Future Geological
 Technologies, Inc. 1537
 Geochemical Insight 243
 GeoFrontiers Corporation 550
 Geo-Link, Inc. 1325
 GeoMark Research 1336
 IFP Energies nouvelles (IFPEN) 347
 National Petrographic
 Service, Inc. 931
 Petroleum Corporation of
 Jamaica 143
 Selman & Associates 610
 Stratagraph, Inc. 312
 StratoChem Services
 North America 1323
 TDI-Brooks International, Inc. 1229
 TerraCore 522
 University of Kansas
 Department of Geology 650
 University of Miami, CSL-Center
 for Carbonate Research 723

Geodetic Management

Petrosys USA 621

Geographical Information Systems (GIS)

Baylor University Department of
 Geosciences 1047
 Beicip, Inc. 822
 EGI – Energy & Geoscience
 Institute 511
 Getech, Inc. 447
 Occidental Petroleum 613
 Petroleum Corporation of
 Jamaica 143
 Petrosys USA 621
 Selman & Associates 610
 Sourcewater, Inc. 844
 U. S. Geological Survey 317
 USLandGrid 1445
 WellLogData 948

Geologic/Geophysical Workstations

Advanced Logic Technology
 S.A. (ALT) 923
 Geo-Link, Inc. 1325
 Geo-Steering Solutions, Inc. 420
 NRGX Technologies, Ltd. 647
 Occidental Petroleum 613
 Premier Oilfield Group 229
 Reservoir Group 1636
 ROGII, Inc. 1329
 Selman & Associates 610

Geological Modeling

Badley Geoscience, Ltd. 402
 Basin Dynamics, LLC 707
 Baylor University Department of
 Geosciences 1047
 Beicip, Inc. 822
 Cabra Consulting, Ltd. 912
 Canamera Coring 342
 Cordax Evaluation Technologies 848
 Dolan Integration Group, LLC 245
 EGI – Energy & Geoscience
 Institute 511
 ELIIS 1328
 Enthought 1020
 Fairfield Geotechnologies
 and Ikon Science 605
 Fracture ID 1450
 GeoMark Research 1336
 Geo-Steering Solutions, Inc. 420
 Getech, Inc. 447
 Halliburton 936
 IFP Energies nouvelles (IFPEN) 347

IHS Markit 427
 LMKR – GeoGraphix/GVERSE 1436
 Nautilus 516
 NRGX Technologies, Ltd. 647
 Occidental Petroleum 613
 PDS Group 1145
 Petroleum Corporation of
 amaica 143
 Petroleum Experts 337
 Petrosys USA 621
 Premier Oilfield Group 229
 Raptor Consulting, Inc. 410
 Rock Flow Dynamics 1148
 ROGII, Inc. 1329
 RPS 516
 Selman & Associates 610
 Southwest Research Institute 617
 StructureSolver, LLC 926
 U. S. Geological Survey 317
 University of Leeds 1049
 WellSight Systems, Inc. 823

Geological Society

Rocky Mountain Association
 of Geologists 1222

Geological Studies and Consulting

Abreu Consulting and Training
 – ACT-GEO 547
 Alaska Division of Geological &
 Geophysical Surveys 820
 Badley Geoscience, Ltd. 402
 Basin Dynamics, LLC 707
 Baylor University Department
 of Geosciences 1047
 Beicip, Inc. 822
 BHL Boresight and BHL
 Consulting 1442
 C&C Reservoirs 515
 Cabra Consulting, Ltd. 912
 Cabral Energy 718
 Canamera Coring 342
 CGG 527
 Chemostrat International 225
 Chinook Consulting Services 1324
 Core Laboratories 505
 Dolan Integration Group, LLC 245
 EGI – Energy & Geoscience
 Institute 511
 ELIIS 1328
 Excellence Logging 1123
 Fairfield Geotechnologies
 and Ikon Science 605
 Fracture ID 1450
 Geo-Link, Inc. 1325
 GeoMark Research 1336
 GeoPartners, Ltd. 113
 Geo-Steering Solutions, Inc. 420
 HSI Geosciences 946
 IFP Energies nouvelles (IFPEN) 347
 IHS Markit 427
 IKON Mining & Exploration 411
 Katherine Connors 520
 Keele University 349
 National Petrographic
 Service, Inc. 931
 Nautilus 516
 NRGX Technologies, Ltd. 647
 PDS Group 1145
 PetroCubic 1344
 Petroleum Corporation of
 Jamaica 143
 Petroleum Experts 337
 Premier Oilfield Group 229
 Raptor Consulting, Inc. 410
 Red Rio Petroleum 213
 Riley Geological
 Consultants, Inc. 1247
 Rockwell Consulting 745

RPS 516
 Selman & Associates 610
 Southwest Research Institute 617
 StructureSolver, LLC 926
 Subsurface Consultants &
 Associates, LLC (SCA) 1028
 Sunburst Consulting 746
 Targeted GeoVision & DataLog
 Geological Services 721
 Task Fronterra Geoscience 947
 TDI-Brooks International, Inc. 1229
 TerraCore 522
 TerraEx Group 816
 TGS 737
 The Easy Copy Company 316
 U. S. Geological Survey 317
 University of Leeds 1049
 University of Miami, CSL-Center for
 Carbonate Research 723
 WellLogData 948
 Western Colorado University 1045

Geophysical Interpretation

Basin Dynamics, LLC 707
 Beicip, Inc. 822
 BGP, Inc. 1027
 Canamera Coring 342
 CGG 527
 Earth Signal Processing, Ltd. 343
 EDCON-PRJ, Inc. 1120
 ELIIS 1328
 Enthought 1020
 Fairfield Geotechnologies
 and Ikon Science 605
 Fracture ID 1450
 Geox, Ltd. 237
 GeoPartners, Ltd. 113
 GeoTeric 720
 Getech, Inc. 447
 IHS Markit 427
 Imaging Systems Group 414
 ION 1036
 MultiClient Geophysical AS
 (MCG) 237
 Occidental Petroleum 613
 Perceptum, Ltd. 118
 Petroleum Corporation of
 Jamaica 143
 PetroSeychelles 145
 Premier Oilfield Group 229
 Red Rio Petroleum 213
 Rock Flow Dynamics 1148
 Schlumberger 1136
 SeisWare, Inc. 847
 Shearwater Geoservices
 Limited 1346
 Subsurface Consultants &
 Associates, LLC (SCA) 1028
 TDI-Brooks International, Inc. 1229
 TerraEx Group 816
 TGS 737
 TRICON Geophysics 1225
 U. S. Geological Survey 317
 University of Kansas
 Department of Geology 650
 University of Leeds 1049
 University of Miami, CSL-
 Center for Carbonate Research 723

Geophysical Modeling

Beicip, Inc. 822
 BGP, Inc. 1027
 CGG 527
 Earth Signal Processing, Ltd. 343
 EDCON-PRJ, Inc. 1120
 ELIIS 1328
 Enthought 1020
 Fracture ID 1450
 IHS Markit 427

Geophysical Modeling Continued

Occidental Petroleum	613
Perceptum, Ltd.	118
Petroleum Corporation of Jamaica	143
Petrosys USA	621
Premier Oilfield Group	229
Rock Flow Dynamics	1148
Schlumberger	1136
Shearwater Geoservices Limited	1346
TEECsolutions, LLC	319
TRICON Geophysics	1225
University of Kansas Department of Geology	650

Geophysical Processing

BGP, Inc.	1027
CGG	527
Earth Signal Processing, Ltd.	343
EDCON-PRJ, Inc.	1120
Fairfield Geotechnologies and Ikon Science	605
Fracture ID	1450
Geoex, Ltd.	237
IHS Markit	427
ION	1036
MultiClient Geophysical AS (MCG)	237
PDS Group	1145
Petroleum Corporation of Jamaica	143
Schlumberger	1136
Seitel	1129
Shearwater Geoservices Limited	1346
TDI-Brooks International, Inc.	1229
TEECsolutions, LLC	319
TGS	737
The Easy Copy Company	316
TRICON Geophysics	1225
University of Kansas Department of Geology	650

Geoscience Magazine and Online Publication

GEO ExPro	800
-----------	-----

Geosteering

BHL Boresight and BHL Consulting	1442
HSI Geosciences	946
Targeted GeoVision & DataLog Geological Services	721

Geosteering, XRF, Mass Spec

Mid Continent Well Logging Service, Inc.	710
---	-----

Global Positioning Systems (GPS)

Forestry Suppliers, Inc.	747
--------------------------	-----

Government Agency

Alaska Division of Geological & Geophysical Surveys	820
Alaska Division of Oil and Gas	818
ANH – Agencia Nacional De Hidrocarburos	142
Barbados Ministry of Energy & Water Resources	141
Bureau of Ocean Energy Management (BOEM)	1544
Government of Greenland	210
Liberia Petroleum Regulatory Authority (LPRA)	105
Oklahoma Geological Survey	549
Petroleum Directorate Sierra Leone	125
PetroSeychelles	145
Philippine Department of Energy	206
U. S. Geological Survey	317

United Kingdom Oil & Gas Authority	242
---------------------------------------	-----

Gravity Services and Consulting

CGG	527
EDCON-PRJ, Inc.	1120
Getech, Inc.	447

Hyperspectral Imaging

Middleton Spectral Vision	1018
---------------------------	------

Insurance

GeoCare Benefits Group Insurance Program	1220
---	------

International Exploration

Opportunities

ANCAP – Uruguay Open Round	139
Envoi Limited	123
Falkland Islands Government	138
Faroese Geological Survey	212
INP – National Petroleum Institute	122
Ireland, Petroleum Affairs	238
Liberia Petroleum Regulatory Authority (LPRA)	105
Polish Geological Institute – National Research Institute	110

Laboratory Instrument or Equipment/ Microscopes

Apatite.com Partners	1448
Bruker Nano, Inc.	709
Dolan Integration Group, LLC	245
iCore Group, Inc.	646
Malvern Analytical	323
Mid Continent Well Logging Service, Inc.	710
Middleton Spectral Vision	1018
Nanoscience Instruments	813
Quantum Analytics	929
Rigaku	1224
Selman & Associates	610
TDI-Brooks International, Inc.	1229
Thermo Fisher Scientific	612
Vinci-Technologies	546
Wildcat Technologies, LLC	751
ZEISS Microscopy	919

Land Licensing

Newfoundland and Labrador	226
Log Digitizing Advanced Logic Technology S.A. (ALT)	923
Chinook Consulting Services	1324
Corescan	620
Geoex, Ltd.	237
Imaging Systems Group	414
MJ Logs	304
MultiClient Geophysical AS (MCG)	237
Neuralog, LP	329
NRGX Technologies, Ltd.	647
Selman & Associates	610
Stratagraph, Inc.	312
TGS	737
Thermo Fisher Scientific	612
WellLogData	948
Magazines Hart Energy	521

Magnetic Service and Consulting

EDCON-PRJ, Inc.	1120
EGI – Energy & Geoscience Institute	511
Getech, Inc.	447
Map Displays GeoEdges, Inc.	523
Katherine Connors	520

Petrosys USA	621
Premier Oilfield Group	229
WellSight Systems, Inc.	823

Mapping Software

Badley Geoscience, Ltd.	402
ION	1036
Katherine Connors	520
LMKR – GeoGraphix/GVERSE	1436
Neuralog, LP	329
Petroleum Corporation of Jamaica	143
Petrosys USA	621
Premier Oilfield Group	229
Rock Flow Dynamics	1148
ROGII, Inc.	1329
Sourcewater, Inc.	844
USLandGrid	1445
WellLogData	948

Mapping/Cartographic Services/Data

Alaska Division of Geological & Geophysical Surveys	820
Basin Dynamics, LLC	707
Dolan Integration Group, LLC	245
GeoEdges, Inc.	523
Imaging Systems Group	414
Katherine Connors	520
Petrosys USA	621
Sourcewater, Inc.	844
USLandGrid	1445
WellLogData	948

Measurement While Drilling (MWD)

Cabra Consulting, Ltd.	912
Halliburton	936
Imaging Systems Group	414
Selman & Associates	610
WellSight Systems, Inc.	823

Micropaleontological Services or Studies

EGI – Energy & Geoscience Institute	511
National Petrographic Service, Inc.	931
Nautilus	516
Paleo-Data, Inc.	1051
RPS	516
Stratagraph, Inc.	312

Mineral/Fossil/Gem Specimens

Forestry Suppliers, Inc.	747
IKON Mining & Exploration	411
Komodo Dragon	1046
Natural Creations-Linda and Don Bourassa	1021
Paleo Minerals Company, LLC	318
Stone Quilt Design	325
Thermo Fisher Scientific	612

Mud Logging, Geosteering, and Advanced Geology

Columbine Logging, Inc.	1424
-------------------------	------

Mud Logging, Geosteering

Field Geo Services	308
--------------------	-----

National Oil and Gas Exploration Agency

ONHYM - Kingdom of Morocco	126
----------------------------	-----

Non-Exclusive Seismic Data

CGG	527
Geoex, Ltd.	237
GeoPartners, Ltd.	113
MultiClient Geophysical AS (MCG)	237
TGS	737

Non-Seismic Geophysical Equipment/ Services

BGP, Inc.	1027
EDCON-PRJ, Inc.	1120
Forestry Suppliers, Inc.	747
Imaging Systems Group	414

Office Equipment/Business Machines

Neuralog, LP	329
--------------	-----

Other

ANH – Agencia Nacional De Hidrocarburos	142
Forestry Suppliers, Inc.	747
Nova Scotia Department of Energy and Mines	129

Personnel and Employment Services

Chinook Consulting Services	1324
PetroCubic	1344
PetroSkills	417
Subsurface Consultants & Associates, LLC (SCA)	1028
University of Tulsa – CESE	817

Petrographic Analysis

National Petrographic Service, Inc.	931
--	-----

Petroleum E&P Company

Bight Petroleum Corp.	449
Cabral Energy	718
ETAP Tunisia	204
LMKR – GeoGraphix/GVERSE	1436
Occidental Petroleum	613
ONHYM - Kingdom of Morocco	126
PetroSeychelles	145

Publishing/Bookseller

Elsevier	315
GEO ExPro (GeoPublishing Limited)	303
Journal of Natural Gas Geoscience	1422
KeAi Publishing	217
PetroSkills	417
Springer Nature	201
West Texas Geological Society	1026

Reserves Appraisal/Resource Management/and Risk Analysis

Badley Geoscience, Ltd.	402
Baylor University Department of Geosciences	1047
Cabral Energy	718
Nautilus	516
RPS	516
Subsurface Consultants & Associates, LLC (SCA)	1028
TerraEx Group	816

Reservoir Evaluation

Basin Dynamics, LLC	707
Baylor University Department of Geosciences	1047
BGP, Inc.	1027
C&C Reservoirs	515
Cabra Consulting, Ltd.	912
Cabral Energy	718
Chemostrat International	225
Chemostrat, Inc.	749
Chinook Consulting Services	1324
Cordax Evaluation Technologies	848
Core Laboratories	505
Digital Formation, Inc.	424
EGI – Energy & Geoscience Institute	511
GeoMark Research	1336
IFP Energies nouvelles (IFPEN)	347

EXHIBITOR PRODUCTS AND SERVICES

ION.....	1036	TEECsolutions, LLC.....	319	University of Kansas		Enthought.....	1020
Nautilus.....	516	The Easy Copy Company.....	316	Department of Geology.....	650	Fracture ID.....	1450
Perceptum, Ltd.....	118			Vinci-Technologies.....	546	Geox, Ltd.....	237
Petroleum Experts.....	337	Seismic Data Acquisition				Geo-Steering Solutions, Inc.....	420
Premier Oilfield Group.....	229	BGP, Inc.....	1027	Trade Show		Halliburton.....	936
Reservoir Group.....	1636	Fairfield Geotechnologies		NAPE Expo.....	321	IHS Markit.....	427
Rock Flow Dynamics.....	1148	and Ikon Science.....	605			Imaging Systems Group.....	414
RPS.....	516	Geox, Ltd.....	237	Training Courses and Services		LMKR – GeoGraphix/GVERSE.....	1436
SGS.....	1343	GeoPartners, Ltd.....	113	Abreu Consulting and Training		Mid Continent Well Logging	
Shearwater Geoservices		Imaging Systems Group.....	414	– ACT-GEO.....	547	Service, Inc.....	710
Limited.....	1346	ION.....	1036	Advanced Logic Technology		MultiClient Geophysical	
Southwest Research Institute.....	617	MultiClient Geophysical		S.A. (ALT).....	923	AS (MCG).....	237
Subsurface Consultants &		AS (MCG).....	237	Badley Geoscience, Ltd.....	402	NRGX Technologies, Ltd.....	647
Associates, LLC (SCA).....	1028	Seitel.....	1129	Basin Dynamics, LLC.....	707	PetroSeychelles.....	145
TerraEx Group.....	816	Shearwater Geoservices Limited.....	1346	Chemostrat International.....	225	Raptor Consulting, Inc.....	410
TGS.....	737	Spectrum Geo, Inc.....	827	dGB Earth Sciences.....	1043	Schlumberger.....	1136
The Easy Copy Company.....	316	TDI-Brooks International, Inc.....	1229	EAGE – European Association of		Selman & Associates.....	610
Thermo Fisher Scientific.....	612	TGS.....	737	Geoscientists and Engineers.....	209	Task Fronterra Geoscience.....	947
		University of Kansas		Earth Signal Processing, Ltd.....	343	TGS.....	737
Reservoir Optimization		Department of Geology.....	650	EGI – Energy & Geoscience		TRICON Geophysics.....	1225
Baylor University Department		Vinci-Technologies.....	546	Institute.....	511	U. S. Geological Survey.....	317
of Geosciences.....	1047			Elsevier.....	315	WellLogData.....	948
Beicip, Inc.....	822	Seismic Data Broker		GeoMark Research.....	1336		
C&C Reservoirs.....	515	Fairfield Geotechnologies		GeoTeric.....	720	Well Log Libraries	
Cabra Consulting, Ltd.....	912	and Ikon Science.....	605	Getech, Inc.....	447	MJ Logs.....	304
Cabral Energy.....	718	GeoPartners, Ltd.....	113	IFP Energies nouvelles (IFPEN).....	347		
Cordax Evaluation Technologies.....	848	Getech, Inc.....	447	Katherine Connors.....	520	Well Log Printers	
Core Laboratories.....	505			Keele University.....	349	Neuralog, LP.....	329
EGI – Energy & Geoscience		Seismic Data Library		Nautilus.....	516		
Institute.....	511	Seitel.....	1129	Petroleum Experts.....	337	Well Logging	
Fairfield Geotechnologies				PetroSkills.....	417	Cabra Consulting, Ltd.....	912
and Ikon Science.....	605	Seismic Equipment or Instrumentation		RPS.....	516	Chemostrat International.....	225
Flotek Industries.....	717	BGP, Inc.....	1027	Southwest Research Institute.....	617	Columbine Logging, Inc.....	1424
GeoMark Research.....	1336	ION.....	1036	Subsurface Consultants &		Cordax Evaluation Technologies.....	848
Geo-Steering Solutions, Inc.....	420	Shearwater Geoservices Limited.....	1346	Associates, LLC (SCA).....	1028	Edge Systems.....	614
Halliburton.....	936	Vinci-Technologies.....	546	Task Fronterra Geoscience.....	947	Excellence Logging.....	1123
IFP Energies nouvelles (IFPEN).....	347			TerraEx Group.....	816	Field Geo Services.....	308
Nautilus.....	516	Seismic Interpretation and Consulting		University of Miami, CSL-Center		Fracture ID.....	1450
Occidental Petroleum.....	613	Abreu Consulting and Training		for Carbonate Research.....	723	Link, Inc.....	1325
Petroleum Experts.....	337	– ACT-GEO.....	547	University of Tulsa – CESE.....	817	Imaging Systems Group.....	414
Premier Oilfield Group.....	229	Basin Dynamics, LLC.....	707	Western Colorado University.....	1045	Mid Continent Well Logging	
Reservoir Group.....	1636	Beicip, Inc.....	822			Service, Inc.....	710
Rock Flow Dynamics.....	1148	BGP, Inc.....	1027	Upstream E&P A&D		Raptor Consulting, Inc.....	410
ROGII, Inc.....	1329	Cabral Energy.....	718	Cabral Energy.....	718	Riley Geological Consultants, Inc.....	1247
RPS.....	516	CGG.....	527	Dolan Integration Group, LLC.....	245	Schlumberger.....	1136
SGS.....	1343	dGB Earth Sciences.....	1043	Occidental Petroleum.....	613	Selman & Associates.....	610
Shearwater Geoservices Limited.....	1346	Earth Signal Processing, Ltd.....	343	PetroSeychelles.....	145	Stratagraph, Inc.....	312
Targeted GeoVision & DataLog		ELIIS.....	1328	Subsurface Consultants &		Targeted GeoVision & DataLog	
Geological Services.....	721	Enthought.....	1020	Associates, LLC (SCA).....	1028	Geological Services.....	721
TEECsolutions, LLC.....	319	Fairfield Geotechnologies		The Easy Copy Company.....	316	TGS.....	737
Thermo Fisher Scientific.....	612	and Ikon Science.....	605	TOTAL.....	1236	WellSight Systems, Inc.....	823
		GeoPartners, Ltd.....	113				
Satellite Image Processing/Digitizing		GeoTeric.....	720	Water Filtration		Well Testing	
and Interpretation		Getech, Inc.....	447	Evoqua Water Technologies.....	812	Core Laboratories.....	505
Sourcewater, Inc.....	844	IHS Markit.....	427	Water Management		Forestry Suppliers, Inc.....	747
		ION.....	1036	Sourcewater, Inc.....	844	Halliburton.....	936
Scholarships		LMKR – GeoGraphix/GVERSE.....	1436			Occidental Petroleum.....	613
Association for Women		Nautilus.....	516	Web-Based Mapping		Schlumberger.....	1136
Geoscientists.....	1546	PetroCubic.....	1344	Dolan Integration Group, LLC.....	245		
		Petroleum Corporation of		Well Chemical Services		Well Treatment	
Scientific or Professional Association		Jamaica.....	143	Forestry Suppliers, Inc.....	747	Evoqua Water Technologies.....	812
AAPG – American Association		RPS.....	516	Schlumberger.....	1136	Flotek Industries.....	717
of Petroleum Geologists.....	1629	Shearwater Geoservices					
EAGE – European Association of		Limited.....	1346	Well Completion Services		Wellsite Supervision,	
Geoscientists and Engineers.....	209	Southwest Research Institute.....	617	Cordax Evaluation Technologies.....	848	Remote Geo-Steering, Gas Ratio	
Houston Geological Society.....	819	Spectrum Geo, Inc.....	827	Halliburton.....	936	Analysis, Geologists, Sample	
TDI-Brooks International, Inc.....	1229	StructureSolver, LLC.....	926	Occidental Petroleum.....	613	Descriptions and ...	
		TerraEx Group.....	816	Schlumberger.....	1136	Rockwell Consulting.....	745
Seismic Computer Processing		TGS.....	737				
BGP, Inc.....	1027	TRICON Geophysics.....	1225	Well Log Analysis			
CGG.....	527	Vinci-Technologies.....	546	Abreu Consulting and			
Earth Signal Processing, Ltd.....	343			Training – ACT-GEO.....	547		
Geox, Ltd.....	237	Seismic Inversion and Rock Properties		Cabra Consulting, Ltd.....	912		
MultiClient Geophysical		Earth Signal Processing, Ltd.....	343	Chinook Consulting Services.....	1324		
AS (MCG).....	237			Cordax Evaluation Technologies.....	848		
Neuralog, LP.....	329	Thin Sectioning		Core Laboratories.....	505		
Schlumberger.....	1136	Enthought.....	1020	dGB Earth Sciences.....	1043		
Shearwater Geoservices		Nanoscience Instruments.....	813	Digital Formation, Inc.....	424		
Limited.....	1346	Thermo Fisher Scientific.....	612	Earth Signal Processing, Ltd.....	343		



SHELL IS A PROUD SPONSOR OF THE

AAPG ACE
ANNUAL CONVENTION
AND EXHIBITION

www.shell.com



MGsc Online

Master of Geoscience

1 DEGREE - 2 TRACKS

- Geographic Information Science & Technology
- Petroleum Data Management (Launching Fall 2019)

THE GAME-CHANGERS
100% ONLINE
For Working Professionals

LEARN MORE 
geosonline.tamu.edu/ace

YOUR
NEXT CAREER MOVE **BEGINS**
@TEXAS A&M UNIVERSITY.