

# Gulf Coast Association of Geological Societies and Gulf Coast Section of SEPM



*San Antonio, Texas • Nov. 1-3, 2017*  
*[www.GCAGS2017.org](http://www.GCAGS2017.org)*

**67<sup>TH</sup> ANNUAL CONVENTION**

**SAN ANTONIO, TEXAS**

**NOVEMBER 1 - 3, 2017**

**CONVENTION  
PROGRAM**

Hosted by the  
South Texas Geological Society

**Special Thanks to our Diamond Sponsor**

*Apache*





## Welcome to the 2017 GCAGS/GCSSEPM Convention!!

Welcome

On behalf of the Gulf Coast Association of Geological Societies & the Gulf Coast Section of SEPM, it is my pleasure to invite you to attend the 2017 Convention "PURE GEOLOGY | STRAIGHT SCIENCE" to be held November 1st–3rd in San Antonio, Texas. The Convention takes place at the Marriott Rivercenter Hotel.

Today's Oil and Gas Industry is in the process of reinventing itself through creativity and forethought from the many people who know this industry. The result has been new applications in the conventional and the unconventional realms of reservoirs, both onshore and offshore. The 2017 GCAGS/GCSSEPM Convention will focus on new technologies and some tried and true ones that will be used to find oil and gas reserves at today's high cost. Be prepared to learn about the latest innovations from the smartest and most experienced technical professionals in our industry. Our program will include over 110 oral and poster presentations.

The exhibit hall will feature exhibitors offering new technology and services, so please plan to spend the time to visit with them and learn about the opportunities they offer.

In addition to, and complimenting the technical sessions and exhibits, there will be pre- and post-convention field trips and short courses, including a Seismic Workshop for students only. As a bonus for the 2017 Convention, the technical program will include Rapid Response Research on the Geological Impact of Hurricane Harvey.

I encourage everyone to take advantage of the networking opportunities that will be available at the Meeting. There will be numerous social events for everyone to participate in, including the Icebreaker, a Geo-Oktoberfest, and of course the City of San Antonio and the famous San Antonio Riverwalk. We also offer a tour and luncheons for the spouses and guests. You will have the opportunity to participate in the All-Convention Luncheon, the AAPG DPA Luncheon, GCSSEPM Luncheon, Women in Geosciences Breakfast, and the Presidents' Reception.

If you haven't been to San Antonio in a while, you will enjoy your time here. The **Marriott Rivercenter** is housing the Meeting, and its location couldn't be better—it's on the San Antonio Riverwalk!

Thank you and welcome!

Gene Ames  
General Chairman



**THANK YOU** to our sponsors for supporting the 2017 GCAGS/GCSSEPM Annual Convention and Exhibition! Your support is essential for the success of this meeting and very much appreciated.

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You can also find us on LinkedIn in the group named "Gulf Coast Association of Geological Societies" or visit us at <https://www.linkedin.com/groups/6708404>.



# 4 2017 GCAGS/GCSSEPM 67th Annual Convention & Exhibition

All events will be held at the **Marriott Rivercenter Hotel, 101 Bowie St., San Antonio, Texas, unless otherwise noted.**

## Tuesday, October 31, 2017

- 8:00 am–5:00 pm Short Course: Integrated Exploration Methods for Clastic Depositional Systems (2 days), Conf. Rm. 3, p. 30  
3:00 pm–6:00 pm Registration Open, Reg. Desk 2 & Foyer, p. 12  
4:30 pm–6:00 pm GCAGS Continuity Committee Meeting (by invitation only), Conf. Rms. 13–14, p. 10

## Wednesday, November 1, 2017

- 7:00 am–8:00 pm Registration Open, Reg. Desk 2 & Foyer, p. 12  
8:00 am–3:00 pm GCAGS Board Meeting (by invitation only), Conf. Rms. 17–18, p. 10  
8:00 am–4:00 pm Exhibitor Move-In, Salons A–F  
8:00 am–4:00 pm Short Course: Integrated Exploration Methods for Clastic Depositional Systems (2 days), Conf. Rm. 3, p. 30  
8:00 am–4:00 pm Short Course: Log Analysis for Unconventional Reservoirs, Conf. Rm. 4, p. 30  
9:00 am–3:00 pm Field Trip: Canyon Lake Gorge, Departure and Return at Marriott Rivercenter Hotel, p. 31  
11:00 am–4:15 pm South Texas Geological Society Golf Networking Event, The Quarry Golf Course, 444 East Basse Rd., San Antonio, p. 10  
1:00 pm–5:00 pm Speakers/Judges Room Open, Conf. Rm. 11, p. 13  
3:00 pm–4:30 pm Spouse/Guest Hospitality, Vice Pres. Suite 3529, p. 32



### Wednesday, November 1, 2017, continued

- 4:15 pm–6:00 pm Opening Session/Awards Ceremony, Salon H (enter thru I), p. 14
- 6:00 pm–8:00 pm Icebreaker in Exhibit Hall, A Taste of San Antonio, Salons A–F, p. 8
- 8:30 pm–11:00 pm Young Professionals Night Cap, The Friendly Spot, 943 S. Alamo St., San Antonio, p. 33

### Thursday, November 2, 2017

- 7:00 am–8:00 am Speakers/Poster Breakfast, Conf. Rms. 1–2, p. 12
- 7:00 am–8:00 am Judges Breakfast, Conf. Rm. 3, p. 12
- 7:00 am–8:30 am Poster setup, Salons A–F, p. 26
- 7:00 am–6:00 pm Registration Open, Reg. Desk 2/Foyer, p. 12
- 7:00 am–6:00 pm Speakers/Judges Room Open, Conf. Rm. 11, p. 13
- 7:30 am–8:30 am AAPG House of Delegates Breakfast, Conf. Rm. 4, p. 10
- 8:00 am–9:30 am Spouse/Guest Hospitality, Vice Pres. Suite 3529, p. 32
- 8:20 am–11:05 am Oral Session: Deep Water Symposium: Basin Evolution and Drivers of Deep Water Sedimentation, Salon I, p. 21
- 8:20 am–11:30 am Oral Session: Austin Chalk and Eagle Ford Formations: Resource Play Evaluation and Eagle Ford Examples, Salons HKL, p. 21
- 8:20 am–11:30 am Oral Session: Workflow in Conventional and Unconventional Reservoirs: Geophysical, Classification and Management Processes for the Geologist, Salon J, p. 22
- 8:30 am–12:00 pm Poster Session 1, Salons A–F, p. 26



## Thursday, November 2, 2017, Continued

8:30 am–6:00 pm	Exhibitors Open, Salons A–F, p. 39
9:00 am–3:00 pm	Spouse/Guest Tour, Lobby, p. 32
11:30 am–1:00 pm	All-Convention Luncheon, Salons G (walk thru M), p. 16
1:00 pm–3:45 pm	Oral Session: Deep Water Symposium: Reservoir Architecture and Reservoir Quality: From Fields to Outcrops, Salon I, p. 22
1:00 pm–4:10 pm	Oral Session: Austin Chalk and Eagle Ford Formations: Cretaceous Carbonate Reservoirs: Austin Chalk, Edwards, Buda and Georgetown, Salons HKL, p. 23
1:00 pm–2:00 pm	Oral Session: Water Resources and Gulf Coast Sedimentology: Water Resource Protection, Salon J, p. 23
1:25 pm–6:00 pm	Poster Session 2, Salons A–F, p. 27
2:00 pm–4:10 pm	Oral Session: Water Resources and Gulf Coast Sedimentology: Gulf Coast Sedimentology, Salon J, p. 23
3:00 pm–4:30 pm	Spouse/Guest Hospitality, Vice Pres. Suite 3529, p. 32
4:10 pm–4:45 pm	Special Session: Hurricane Harvey: USGS Rapid Response Research, Salon J, p. 19
4:45 pm–6:00 pm	Presidents' Reception in Exh. Hall, Salons A–F, p. 8
6:30 pm–9:30 pm	Geo-Oktoberfest, Beethoven Maennerchor, 412 Pereida St., San Antonio, p. 9

## Friday, November 3, 2017

7:00 am–8:00 am	Speakers/Poster Breakfast, Conf. Rms. 1–2, p. 12
7:00 am–8:20 am	Women in Geosciences Breakfast, Salon M, p. 16
7:00 am–11:00 am	Registration Open, Reg. Desk 2/Foyer, p. 12



# American Shoreline, Inc.

### Friday, November 3, 2017, Continued

7:00 am–5:00 pm	Speakers/Judges Room Open, Conf. Rm. 11, p. 13
7:30 am–8:30 am	Short Course: Ethics for Geologists Breakfast, Salon J, p. 30 (need cell phone for texting)
8:00 am–9:30 am	Spouse/Guest Hospitality, Vice Pres. Suite 3529, p. 32
8:20 am–11:30 am	Oral Session: Deep Water Symposium: Innovative Methods and Techniques, Salon I, p. 24
8:20 am–11:30 am	Oral Session: Gulf Coast Fields and Reservoirs: Jurassic Gulf Coast Fields and Reservoirs, Salons HKL, p. 24
8:30 am–12:00 pm	Poster Session 3, Salons A–F, p. 27
8:30 am–1:00 pm	Exhibitors Open, Salons A–F, p. 39
11:30 am–1:00 pm	AAPG DPA Luncheon, Salon J, p. 18
11:30 am–1:00 pm	GCSSEPM Luncheon, Salon M, p. 17
1:00 pm–3:40 pm	Oral Session: Reservoirs and Field Analogs: Gulf Coast Fields and Analogs from Other Plays, Salons HKL, p. 25
1:25 pm–3:40 pm	Oral Session: Deep Water Symposium: Petroleum Systems, Salon I, p. 25

### Saturday, November 4, 2017

8:00 am–5:00 pm	Short Course: Introduction to Seismic Interpretation (2 days), Trinity University, p. 30
9:00 am–4:00 pm	Field Trip: Austin Chalk and Eagle Ford Shale in San Antonio, Departure and Return at Marriott Rivercenter Hotel, p. 31

### Sunday, November 5, 2017

8:00 am–4:00 pm	Short Course: Introduction to Seismic Interpretation (2 days), Trinity University, p. 30
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All events will be held at the **Marriott Rivercenter Hotel, 101 Bowie St., San Antonio, Texas, unless otherwise noted. Check at Registration to see if tickets are still available to optional events.**

### OPENING SESSION and AWARDS CEREMONY

Date: Wednesday, November 1, 2017  
Time: 4:15 pm–6:00 pm  
Location: Salon H (enter thru I)

Join GCAGS President Thomas E. Ewing, GCSSEPM President John Suter, and General Chairman Gene Ames in welcoming attendees to San Antonio and acknowledging worthy individuals for their contribution to both GCAGS and GCSSEPM. Tom Ewing will give a short talk on the Convention of the Future. **Entrance by badge only.**

### ICEBREAKER RECEPTION

Date: Wednesday, November 1, 2017  
Time: 6:00 pm–8:00 pm  
Location: Exhibit Hall (Salon A–F)

See old friends and meet new ones as you check out the Exhibit Hall and enjoy Tex Mex treats. **Entrance by badge only.**

### YOUNG PROFESSIONALS NIGHT CAP

Date: Wednesday, November 1, 2017  
Time: 8:30 pm–11:00 pm

Location: Young Professionals Night Cap, The Friendly Spot, 943 S. Alamo St., San Antonio

See old friends and meet new ones as you check out the Exhibit Hall.

### ALL-CONVENTION LUNCHEON

Date: Thursday, November 2, 2017  
Time: 11:30 am–1:00 pm  
Location: Salons G (walk thru M)  
Cost: \$60



Join us for the All-Convention Luncheon, where Dr. Bill Fisher, ex-Texas State Geologist and retired Director of the Bureau of Economic Geology of Texas, will be our keynote speaker. He will discuss "Paradigm Shifts in Geosciences: Role of the Gulf Coast Basin." Space is limited, so check early at the Registration Help Desk to see if tickets are still available.

### PRESIDENTS' RECEPTION IN THE EXHIBIT HALL

Date: Thursday, November 2, 2017  
Time: 4:45 pm–6:00 pm  
Location: Exhibit Hall (Salons A–F)

Mix and mingle with GCAGS President Tom Ewing and GCSSEPM President John Suter over some light refreshment before heading to Geo-Oktoberfest! **Entrance by badge only.**



**Weatherford®**

**William M. Whiting**

## GEO-OKTOBERFEST

Date: Thursday, November 2, 2017  
Time: 6:30 pm–9:30 pm



Location: Beethoven Maennerchor, 412 Pereida St., San Antonio, TX 78210  
Join your friends and convention buddies for an evening of Oktoberfest food, drink, and entertainment at the Biergarten of the Beethoven Maennerchor on 422 Pereida St. in King William (just south of downtown). German immigrants were a large part of San Antonio's growth, and German tradition continues to run strong. The Beethoven Society has been around since 1867! Sit under the pecan trees, have some great

German food, drink good German (or American craft) beer, and listen to some great music. Entertainment includes the Liederkrantz men's choir, with our own GCAGS President Tom Ewing directing and playing the accordion. We'll also have a tuba ensemble and close with a great German dance band.

There will be a shuttle bus from the Marriott, though it is walkable, reachable by trolley bus and by Uber and Lyft.

## WOMEN IN GEOSCIENCES BREAKFAST (*Sponsored by Auburn Energy and the Association for Women Geoscientists, Lone Star Chapter*)

Date: Friday, November 3, 2017  
Time: 7:00 am–8:20 am  
Location: Salon M  
Cost: \$35

Connect with Geoscience professionals and students in this special breakfast networking event. Leslie Savage, Assistant Director for Technical Permitting, Oil and Gas Division, The Railroad Commission of Texas, will present "Regulatory Response to Changing Technology and Conditions."

## GCSSEPM LUNCHEON

Date: Friday, November 3, 2017  
Time: 11:30 am–1:00 pm  
Location: Salon M  
Cost: \$55



Dr. Maria Mutti, Professor and Chair of Sedimentary Geology at the Institute of Earth and Environmental Sciences at the Universität Potsdam in Potsdam, Germany, will present "Photozoan-Heterozoan Carbonate Systems: Evaluating Cenozoic and Mesozoic Examples."

## AAPG DPA LUNCHEON

Date: Friday, November 3, 2017  
Time: 11:30 am–1:00 pm  
Location: Salon J  
Cost: \$55



Dr. Thomas E. Ewing, GCAGS President, will present "Petroleum Provinces in Texas through Time." Join Dr. Ewing in this event, hosted by the AAPG's Division of Professional Affairs, for a plated luncheon and thought-provoking conversation.

**Anonymous – Austin**

## SOUTH TEXAS GEOLOGICAL SOCIETY GOLF TOURNAMENT

Date: Wednesday, November 1, 2017

Time: 11:00 am check-in; 12:00 pm shotgun start

Maximum: 144 golfers

The STGS Golf Networking Event will be held at the Quarry Golf Club located a short drive north of downtown San Antonio. This unique golf course features a links-style front nine and the back nine is laid out in the 100 year-old quarry pit of the Alamo Cement Company. With so many rocks, playing here almost qualifies as a field trip! Cost includes a round of golf, golf cart and a box lunch. Please contact Ken Helm at [kenh@hurjenterprises.com](mailto:kenh@hurjenterprises.com) or 210-829-2234 (office) for more information.



### GCAGS Continuity Committee Meeting

Tuesday, October 31, 4:30 pm–6:00 pm  
Marriott Rivercenter Hotel, Conf. 13/14

**By invitation only.**

### GCAGS Board Meeting

Wednesday, November 1, 8:00 am–3:00 pm  
Marriott Rivercenter Hotel, Conf. Rms. 17–18

GCAGS Officers, Committee Chairs, and Society Presidents or their representatives are invited to attend the Board Meeting. **By invitation only.**

### AAPG House of Delegates' Breakfast

Thursday, November 2, 7:30 am–8:30 am  
Marriott Rivercenter Hotel, Conf. Rm. 4

All representatives to the AAPG House of Delegates are invited to attend. **By invitation only.**

## CONVENTION TRANSPORTATION

The transportation pickup and drop-off point for all field trips, guest/spouse tours, and Monday night's Geo-Oktoberfest is located just off the hotel lobby on the Commerce Street side of the building (closest to the River Walk). A sign directs you out that entrance.



**Tom Fett PE**

**AIPG Texas Section**

**Ames Energy Advisors, LLC**

**Mascot Oil Company**

### REGISTRATION (*Registration materials sponsored by Anadarko Petroleum Corporation*)

Location: Level 3, Registration Desk '2'

Dates & Times:

Tuesday, October 31 .....	3:00 pm–6:00 pm
Wednesday, November 1 .....	7:00 am–8:00 pm
Thursday, November 2 .....	7:00 am–6:00 pm
Friday, November 3 .....	7:00 am–11:00 am

### THE EXHIBITION

Location: Level 3, Salons A–F

Dates & Times:

Wednesday, November 1 .....	6:00 pm–8:00 pm
Thursday, November 2 .....	8:30 am–6:00 pm
Friday, November 3 .....	8:30 am–1:00 pm

### THE GCAGS EXHIBITION—Where Geoscience Meets Industry: Networking, technology, information systems, and data all under one roof!

Explore the displays of service companies, a fossil and gem dealer, research institutions, and publishers during the two days of the exhibition. Please support all those who have made this vital commitment to the success of the convention, now more than ever in these dynamic times for our industry.

*Note: Please note that children under the age of 13 will not be allowed in the Exhibit Hall anytime during exhibit setup or teardown. During exhibit hours, children not of school-age will not be allowed into any activities within the Exhibit Hall, including the Icebreaker reception, unless they are young enough or small enough to be confined to a stroller, backpack, or front pack. School-age children will be allowed to attend the exhibition during regularly scheduled hours if they are properly registered (as students) and they wear their badges at all time.*

### SPEAKERS & POSTER PRESENTERS BREAKFAST (*Sponsored by Chevron*)

Dates: Thursday and Friday, November 2 & 3

Time: 7:00 am–8:00 am

Location: Conf. Rms. 1–2

All session chairs, speakers, and poster presenters are invited to attend this complimentary breakfast on the day of their presentations. You can meet the other presenters for your session and get poster presenter ribbons for your name badge. Presenter/Session Chair ribbons will be available both at the breakfast and in the Speaker Ready Room (Conf. Rm. 11). Poster supplies are available in the in the Ready Room.

### JUDGES BREAKFAST (*Sponsored by Chevron*)

Date: Thursday, November 2 ONLY

Time: 7:00 am–8:00 am

Location: Conf. Rm. 3

All judges are invited to attend this complimentary breakfast on Thursday morning. Information will be provided as to judging criteria and regarding which sessions to attend. Instructions and judging forms will be available at both the breakfast and in the Speakers/Poster Presenters/Judges Room (Conf. Rm. 11).

**Association for Women  
Geoscientists, Lone Star Chapter**

## SPEAKERS & POSTER PRESENTERS ROOM & JUDGES TALLY ROOM (*Sponsored by Chevron*)

Location: Conf. Rm. 11

Dates & Times:

Wednesday, November 1 .....	1:00 pm–5:00 pm
Thursday, November 2 .....	7:00 am–6:00 pm
Friday, November 3 .....	7:00 am–5:00 pm

## STUDENT PARTICIPATION

We offer a special registration fee (only \$45) to facilitate student participation. This fee is applicable for students or new grads who have not yet accepted employment offers. Students may also register as a Student Volunteer. If selected, you will receive a refund of your registration fee after you have worked a half day, as assigned. This fee allows entry to the Opening Session, Icebreaker, Exhibition, all technical sessions, reduced rates for select field trips and short courses, and a digital copy of the 2017 GCAGS *Transactions*. See page 33.

## SPOUSE & GUEST ACTIVITIES

Visit us in the Hospitality Suite (Vice Presidential Suite 3529), and join us on our Shopping and Art and/or Missions and Markets tours. For more information, please see page 32.

## POSTER SESSIONS

The poster sessions will take place in the Exhibit Hall (Level 3, Salons A–F). 40 student and professional posters covering a diverse range of topics will rotate (Thursday morning–Thursday afternoon–Friday morning). Authors will be available for discussion during the coffee breaks on Thursday and Friday mornings (9:45 am–10:15 am) and Monday afternoon (2:45 pm–3:15 pm). For more information, please see pages 26–28.

# ExxonMobil



### OPENING SESSION AND AWARDS CEREMONY

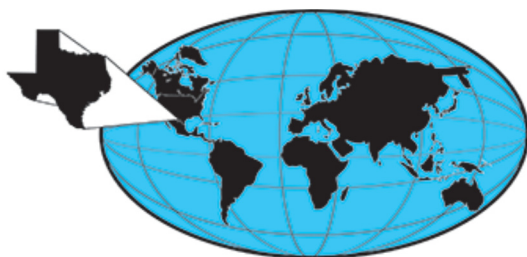
4:15 pm–6:00 pm • Wednesday, November 1  
Marriott Rivercenter Hotel, Salon H (enter thru I)

Join GCAGS President Thomas E. Ewing, GCSSEPM President John Suter, and General Chairman Gene Ames in welcoming attendees to San Antonio and acknowledging worthy individuals for their contribution to both GCAGS and GCSSEPM. **Entrance by badge only.**

The Awards Ceremony recognizes the 2017 recipients of GCAGS and GCSSEPM special honors, as well as the awardees of the 2016 best presentations and best published papers in the 2016 *GCAGS Transactions* and *GCAGS Journal*, all of whose works have made important contributions to GCAGS and the advancement of geosciences.

- The *GCAGS Transactions* (2017) will be dedicated in memory of **Wilford Stapp**.
- The *GCAGS Distinguished Service Awards* (2017) will be presented to **Rick Paige, Wayne Croft, Jennifer Smith-Engle, Douglas Toepperwein, and John Long**.
- The *GCAGS Don R. Boyd Medal for Excellence in Gulf Coast Geology* (2017) will be presented to **Paul Weimer**.
- The *GCAGS Honorary Membership* (2017) will be presented to **Charles Sternbach and Randy Bissell**.
- The *GCAGS Special Commendation* (2017) will be presented to **Leighton Devine**.
- *GCSSEPM Doris Malkin Curtis Medal* (2017) will be presented to **Charles Winker**.
- The *GCSSEPM Distinguished Service Award* (2017) will be presented to **Dorene West**.
- **2017 AAPG Gulf Coast Section Imperial Barrel Award – Explorers Division: 1st Place, University of Houston; 2nd Place, Texas A&M University, Prospectors Division: 1st Place, University of Louisiana Lafayette; 2nd Place, University of Texas, Gulf Coast Finals: 1st Place, University of Houston; Runner-up, University of Louisiana Lafayette.**
- The **2016 AAPG Gulf Coast Section A. I. Levorsen Memorial Award – Cian O'Reilly, Duncan Bate, James Keay, Alex Fick, Alex Birch Hawkins, Dario Chisari, Jason Kegel, and Brad Torry**, "Structural Styles and Regional Play Types in the Mexican Offshore from New Seismic Data"
- The **2016 Thomas A. Philpott Excellence of Presentation Awards** will be presented to:
  - 1st Place: Bo Chen, Dhananjay Kumar, Anthony Uerling, Sheryl Land, Omar Aguirre, Tao Jiang, and Setiawardono Sugianto** for their paper, "Using Seismic Inversion and Net Pay to Calibrate Eagle Ford Shale Productible Resources"
  - 2nd Place: Paul K. Wieg** for his paper, "Large-Scale Depositional Characteristics of the Wilcox Formation, Central Gulf of Mexico Deepwater"
  - 3rd Place: Thomas E. Ewing and Juan L. Gonzalez** for their paper, "The Late Quaternary Rio Grande Delta—A Distinctive, Underappreciated Geologic System"
- The **2016 Gordon I. Atwater Best Poster Awards** will be presented to:
  - 1st Place: Peng Li, Michael E. Ratchford, Marc W. Charette, Bradley J. Walls, and Richard P. Philp** for their poster, "Unconventional Reservoir Characterization of the Brown Dense Mudstone (Lower Smackover Formation), Gulf Coastal Plain, South Arkansas"
  - 2nd Place: Adam Majzoub and Kevin W. Stafford** for their poster, "Characterization and Delineation of Karst Geohazards along RM652 Using Electrical Resistivity Tomography, Culberson County, Texas"
  - 3rd place: Aaron A. Eaves and Kevin W. Stafford** for their poster, "Delineation of Karst Geohazards along Highway 652 through the Use of Ground Penetrating Radar, Culberson County, Texas"

- The **2016 Grover E. Murray Best Published Paper Awards, *GCAGS Transactions***, will be presented to:
  - 1st place: Erik S. Heider and David T. King, Jr.** for their paper, "Early Modification Stage Emplacement of Shallow Crater-Filling Units, Wetumpka Impact Structure, Alabama"
  - 2nd place: Douglas W. Haywick, David C. Kopaska-Merkel, and Richard Keyes** for their paper, "Petrographic and Faunal Characterization of Monteagle and Hartselle-Equivalent Strata in Northeast Alabama"
  - 3rd place: Brian B. Hunt, Alex S. Broun, Douglas A. Wierman, David A. Johns, and Brian A. Smith** for their paper, "Surface-Water and Groundwater Interactions along Onion Creek, Central Texas"
- The **2016 President's Award for Outstanding Paper, *GCAGS Journal* (vol. 5)**, will be presented to:
  - J. Carl Fiduk, Vivian Robertson, Marianne Clippard, George A. Jamieson, and Sarah Power**, "Extensional Salt Keels Detached on Eocene-Oligocene Sediments in the Deepwater Northern Gulf of Mexico: Insights into Canopy Advancement, Salt-Sediment Interplay, and Evidence for Unrecognized Mass Sediment Displacement"



THUNDER EXPLORATION, INC.

Auburn Energy

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## ALL-CONVENTION LUNCHEON



Date: Thursday, November 2, 2017  
Time: 11:30 am–1:00 pm  
Location: Salons G (walk thru M)  
Cost: \$60

Join us for the All-Convention Luncheon, where Dr. Bill Fisher, ex-Texas State Geologist and retired Director of the Bureau of Economic Geology of Texas, will be our keynote speaker. He will discuss "Paradigm Shifts in Geosciences: Role of the Gulf Coast Basin." Space is limited, so purchase your ticket early.

**Bio:** William L. Fisher is the Leonidas T. Barrow Chair and Professor in the Department of Geological Sciences of the Jackson School of Geosciences at the University of Texas at Austin. Previously, he served as the Inaugural Dean and the first Director of the John A. and Katherine G. Jackson School of Geosciences, a school he was instrumental in founding as well as securing its substantial endowment. He is a former long-time director of the Bureau of Economic Geology, former chairman of the Department of Geological Sciences and former long-time director of the Geology Foundation. He served as Assistant Secretary of the Interior for Energy and Minerals, under President Gerald R. Ford and as a member of the White House Science Council under President Ronald W. Reagan.

Fisher's research has focused in the areas of stratigraphy, sedimentology, oil and gas resource assessment, and energy and environmental policy. In 1967 he introduced the concept of depositional systems—now a fundamental part of modern stratigraphy and sedimentology.

Dr. Fisher is past president of American Association of Petroleum Geologists, the Association of American State Geologists, the American Geological Institute, the American Institute of Professional Geologists, the Gulf Coast Association of Geological Societies, and the Austin Geological Society.

He has received the Powers Medal from the American Association of Petroleum Geologists, the Twenhofel Medal from SEPM (Society for Sedimentary Geology), the Campbell Medal from the American Geological Institute, the Parker Medal from the American Institute of Professional Geologists, the Boyd Medal from the Gulf Coast Association of Geological Societies, the Hedberg Medal for Energy from the Institute for the Study of Earth and Man, and the Milling Legendary Geoscientist Medal from the American Geological Institute, among numerous other awards.

Fisher holds a B.S. and D.Sc. Honoris Causa, from Southern Illinois University, an M.S. and Ph.D. in Geology from the University of Kansas, a D. Eng. Honoris Causa from the Colorado School of Mines, and a D. Sc. Honoris Causa from Flinders University. He received the Presidential Citation (equivalent to an honorary doctorate) from the University of Texas at Austin.

Fisher was elected to the U.S. National Academy of Engineering in 1994.

## WOMEN IN GEOSCIENCES BREAKFAST (*Sponsored by Auburn Energy and the Association for Women Geoscientists, Lone Star Chapter*)

Date: Friday, November 3, 2017  
Time: 7:00 am–8:20 am  
Location: Salon M  
Cost: \$35

Connect with Geoscience professionals and students in this special breakfast networking event. Leslie Savage, Assistant Director for Technical Permitting, Oil and Gas Division, The Railroad Commission of Texas, will present "Regulatory Response to Changing Technology and Conditions."

**Summary:** Over its long history, the Railroad Commission of Texas has developed regulatory responses to changing technology and conditions. Recent changes to which the Commission has responded include horizontal drilling, hydraulic fracture stimulation, recycling of produced fluids, and seismic activity.

**Bio:** Leslie Savage is the Assistant Director for Technical Permitting for the Oil and Gas Division of the Railroad Commission of Texas. Over her 33 years of employment with the Commission, Ms. Savage helped develop and/or supervised the Commission's programs for underground injection control, surface waste management, hazardous oil and gas wastes, naturally occurring radioactive material, waste minimization, and geologic storage of carbon dioxide. Ms. Savage currently is responsible for managing the Groundwater Advisory, Engineering, UIC, and Environmental Permitting Units, as well as coordinating rulemaking for the division, coordinating with federal and other state agencies, and water quality certification of federal permits. Ms. Savage has represented the Commission in several state and national organizations, including the Texas Groundwater Protection Committee, the Executive Committee of the Coastal Coordination Council, the Governor's Environmental Task Force, the State Review of Oil and Natural Gas Environmental Regulations, Inc. (STRONGER, Inc.), and the Interstate Oil and Gas Compact Commission. She is the past president of the national Ground Water Protection Council. Ms. Savage graduated from the University of Texas at Austin in 1982 with a B.S. in Geology.

### GCSSEPM LUNCHEON



Date: Friday, November 3, 2017

Time: 11:30 am–1:00 pm

Location: Salon M

Cost: \$55

Dr. Maria Mutti, Professor and Chair of Sedimentary Geology at the Institute of Earth and Environmental Sciences at the Universität Potsdam in Potsdam, Germany, will present "Photozoan-Heterozoan Carbonate Systems: Evaluating Cenozoic and Mesozoic Examples."

**Abstract:** Modern carbonate systems are subdivided into Photozoan and Heterozoan assemblages, based on the environmental requirements of the biocalcifying organisms which produce carbonate sediments. Because biocalcification mechanisms and environmental requirements have changed through time, it becomes increasingly challenging to apply this differentiation to older carbonate systems. Selected examples from Cenozoic icehouse and Mesozoic greenhouse time intervals are discussed to highlight the effects of major limiting factors in the geological past and to highlight how differences in biogenic assemblages impact both stratigraphic architecture and diagenetic potential in carbonate systems of different ages.

Icehouse times are generally characterized by stronger temperature and nutrient gradients, with environments spanning the full spread of possible conditions. Times of climatic changeover are recorded by broad, community shifts from the Photozoan to Heterozoan-Photozoan transition. Greenhouse times, conversely, are characterized by gentler temperature gradients and biota suggest that mesotrophic conditions were more widespread. This translates to a higher chance to find an expanded occurrence of Heterozoan-Photozoan transitional settings in warmer waters and across a much larger spread of latitudes.

**Bio:** Professor Dr. Maria Mutti is a Professor and Chair of Sedimentary Geology at the Institute of Earth and Environmental Sciences at the Universität Potsdam in Potsdam, Germany. Dr. Mutti is the President of SEPM (Society for Sedimentary Geology) for 2017–2018. She is an Italian citizen, and was educated in both Italy and the United States, obtaining her MSc. from the University of Wisconsin–Madison and her doctorate from the University of Milan, Italy. Her primary research interests are modern and ancient carbonate sedimentation, quantitative and applied sedimentology, outcrop and subsurface modeling, diagenesis, and stable isotope geochemistry of carbonate rocks. Dr. Mutti has been very active as a consultant and researcher, and has held various offices in international scientific societies, including being the Vice-President of the IAS (International Association of Sedimentologists). She served SEPM as the Councilor for Sedimentology and International Councilor prior to being chosen President-Elect of SEPM in 2016.

## AAPG DPA LUNCHEON



Date: Friday, November 3, 2017  
Time: 11:30 am–1:00 pm  
Location: Salon J  
Cost: \$55

Dr. Thomas E. Ewing, GCAGS President, will present "Petroleum Provinces in Texas through Time." Join Dr. Ewing in this event, hosted by the AAPG's Division of Professional Affairs, for a plated luncheon and thought-provoking conversation.

**Abstract:** Texas hosts numerous basins that have been prolific hydrocarbon producers, and still host high levels of activity. A basinwide look at these petroleum systems, using the insights gleaned from the new publication "Texas Through Time," is interesting and instructive. We can compare and contrast the Gulf Coast / Gulf of Mexico basin complex and the West Texas basins, and think about how hydrocarbons are generated and preserved in Texas' varied environments.

**Bio:** Dr. Thomas Ewing is a geoscientist with over 35 years of experience in hydrocarbon exploration and research. He is a Registered Professional Geoscientist in the State of Texas (#1320) and the State of Louisiana (#468) and an AAPG/DPA Certified Petroleum Geologist (#4538), and holds certification #1610 from SIPEs.

He received a B.A. in Geology from the Colorado College (1975), an M.S. in Geochemistry from New Mexico Institute of Mining and Technology (1977), and a Ph.D. in Geological Sciences from the University of British Columbia (1981).

Dr. Ewing was a research geologist for four years at the Texas Bureau of Economic Geology in Austin, where he served as a co-author of the "Atlas of Texas Oil Reservoirs", and compiled the Tectonic Map of Texas. Since 1985 he has been an owner of Frontera Exploration Consultants, Inc., a San Antonio-based geoscience consulting company. He worked with Venus Oil and Venus Exploration from 1985 to 2005 as staff consultant and Senior Explorationist, playing a main role in its successful exploration in the Yegua Trend of the Gulf Coast Basin and elsewhere in Texas. Dr. Ewing has served in many offices in AAPG and its Divisions. Most recently, he completed service as Vice-President for Sections of AAPG (2012–14). He received Honorary Membership in the South Texas Geological Society in 2009, Honorary Membership in the GCAGS in 2010, AAPG Distinguished Service Award, and BEG Alumnus of the Year in 2011. He is currently serving as President of the GCAGS before its 2017 convention in San Antonio.

Tom has spoken extensively at local, regional, and national geological meetings and published over 75 papers and abstracts. Among other awards, he has received the AAPG Levorsen Award three times, twice in the Gulf Coast Section and once in the Southwest Section. He has written articles on Gulf Coast geology and hydrocarbons, the geology and tectonics of Texas, and history and urban geology of the San Antonio area. He wrote the popular guidebook "Landscapes, Water and Man: Geology and Man in the San Antonio Area," published by the South Texas Geological Society in 2008.

In 2016, Dr. Ewing completed "Texas Through Time," an illustrated book and website on the geologic history and earth resources of Texas published by the Bureau of Economic Geology. In his spare time, he directs a 60-voice German men's chorus, the San Antonio Liederkranz.



**SPECIAL SESSION: HURRICANE HARVEY: USGS RAPID RESPONSE RESEARCH**

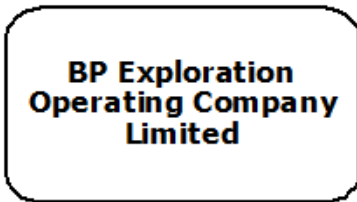
Date: Thursday, November 2, 2017  
Time: 4:10 pm–4:45 pm  
Location: Salon J

**Part 1: Jeff East, USGS:** Hurricane Harvey—The U.S. Geological Survey Response and Data from this Historic Storm

Hurricane Harvey was an extremely destructive Atlantic hurricane that made landfall in Texas and the Gulf Coast in August of 2017. It was the first major hurricane since Wilma in 2005. The U.S. Geological Survey (USGS) Texas Water Science Center prepared immediately to record this major event, and documented the record flooding and ocean storm surge. USGS personnel deployed sensors, hydroacoustic equipment, and rapid deployment gages along the hurricane path. This presentation will highlight data collection efforts, analysis, and results to date from Hurricane Harvey.

**Part 2: Douglas Schnoebelen, USGS:** Hurricane Harvey—Effects, What We Learned, and Next Steps

Hurricane Harvey ended a 12-year span in which no hurricanes of such intensity had made landfall in the United States. In a four-day period, many areas received more than 40 in (100 cm) of rain as the system slowly meandered over eastern Texas and adjacent waters, causing catastrophic flooding, with peak accumulations of 64.58 in (164.0 cm). The resulting floods inundated hundreds of thousands of homes, displaced more than 30,000 people, and prompted more than 17,000 rescues. This presentation will focus on the effects of the storm, what we learned, and how we can better gather data in the future, and also on how we as scientists can better understand, prepare and communicate our information to the public.



Cabot Oil & Gas



**THURSDAY MORNING · NOVEMBER 2**

**Deep Water Symposium: Basin Evolution and Drivers of Deep Water Sedimentation**

(Salon I) (8:20 am–11:05 am)

**Austin Chalk and Eagle Ford Formations: Resource Play Evaluation and Eagle Ford Examples**

(Salon H, K, L) (8:20 am–11:30 am)

**Workflow in Conventional and Unconventional Reservoirs: Geophysical, Classification, and Management Processes for the Geologist**

(Salon J) (8:20 am–11:05 am)

**Poster Session 1**

(Exhibit Hall, Salons A–F) (8:30 am–12:00 pm)

**THURSDAY AFTERNOON · NOVEMBER 2**

**All-Convention Luncheon**

(Salons G [walk thru M]) (11:30 am–1:00 pm)

**Deep Water Symposium: Reservoir Architecture and Reservoir Quality: From Fields to Outcrops**

(Salon I) (1:00 pm–3:45 pm)

**Austin Chalk and Eagle Ford Formations: Cretaceous Carbonate Reservoirs: Austin Chalk, Edwards, Buda and Georgetown**

(Salon H, K, L) (1:00 pm–4:10 pm)

**Water Resources and Gulf Coast Sedimentology: Water Resource Protection**

(Salon J) (1:00 pm–2:00 pm)

**Water Resources and Gulf Coast Sedimentology: Gulf Coast Sedimentology**

(Salon J) (2:00 pm–4:10 pm)

**Poster Session 2**

(Exhibit Hall, Salons A–F) (1:25 pm–6:00 pm)

**Special Session: Hurricane Harvey: USGS Rapid Response Research (Salon J)**

(4:10 pm–4:45 pm)

**Presidents' Reception**

(Exhibit Hall, Salons A–F) (4:45 pm–6:00 pm)

**FRIDAY MORNING · NOVEMBER 3**

**Women in Geosciences Breakfast**

(Salon M) (7:00 am–8:20 am)

**Deep Water Symposium: Innovative Methods and Techniques**

(Salon I) (8:20 am–11:30 am)

**Gulf Coast Fields and Reservoirs: Jurassic Gulf Coast Fields and Reservoirs**

(Salon H, K, L) (8:20 am–11:30 am)

**Poster Session 3**

(Exhibit Hall) (8:30 am–12:00 pm)

**FRIDAY AFTERNOON · NOVEMBER 3**

**AAPG DPA Luncheon**

(Salon J) (11:30 am–1:00 pm)

**GCSSEPM Luncheon**

(Salon M) (11:30 am–1:00 pm)

**Deep Water Symposium: Petroleum Systems**

(Salon I) (1:25 pm–3:40 pm)

**Reservoirs and Field Analogs: Gulf Coast Fields and Analogs from Other Plays**

(Salon H, K, L) (1:00 pm–3:40 pm)

All sessions will be held at the Marriott Rivercenter Hotel.

**Poster Sessions:** Exhibit Hall (Salons A-F)

**Oral Sessions:** Salon I, Salon H, K, L, and Salon J

**Breakfast/Luncheons:** Salon G, Salon J, and Salon M

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## THURSDAY MORNING, NOVEMBER 2 —ORAL SESSIONS—

### DEEP WATER SYMPOSIUM: BASIN EVOLUTION AND DRIVERS OF DEEP WATER SEDIMENTATION (Salon I)

*(Sponsored by ExxonMobil)*

Session Chairs: John Suter and Jon Rotzien

**8:20 OPENING REMARKS**

**8:30 John Wagner, Jeff Kao, and Gerald Regan:** Wilcox Submarine Fan Deposition during the Paleocene to Eocene of the Deepwater Gulf of Mexico: Greenhouse Conditions and Importance of Source to Sink Concepts

**8:55 Cian O'Reilly, Alex Birch-Hawkins, Roel Dirkx, Felicia Winter, and Richard Cooke:** Seismic Facies Analysis of the Western Gulf of Mexico and Implications for Play Types

**9:20 Travis Payeur, Paul Weimer, William Gutterman, Eric Zimmermann, and Steve Cumella:** Stratigraphic Evolution of Upper Jurassic Strata, Northeastern Deepwater Gulf of Mexico: Preliminary Results

**9:45 BREAK**

**10:15 Erik Scott, Manasij Santra, Kevin Meazell, and Peter Flemings:** Bottom Current Drift Deposits in a Gulf of Mexico Minibasin

**10:40 Peter D. Clift, Yuting Li, and Peng Zhou:** Sediment Transport Processes and Rates in the Indus Submarine Fan, Arabian Sea

### AUSTIN CHALK AND EAGLE FORD FORMATIONS: RESOURCE PLAY EVALUATION AND EAGLE FORD EXAMPLES (Salon H, K, L)

*(Sponsored by EOG Resources, Inc.)*

Session Chairs: Bruce Gates and Tom Fett

**8:20 OPENING REMARKS**

**8:30 Justin E. Birdwell, Adam R. Boehlke, Stanley T. Paxton, Katherine J. Whidden, and Ofori N. Pearson:** Geochemical and Mineralogical Characterization of the Eagle Ford Shale: Results from the USGS Gulf Coast #1 West Woodway Core

**8:55 Clint Barefoot:** Eagle Ford Production Drivers and Well Economics

**9:20 Sergei G. Parsegov and David S. Schechter:** Mudstone Nanoindentation—How Little Cuttings can Make a Big Difference

**9:45 BREAK**

**10:15 Luke J. Finger, Alexis Godet, and Lee Billingsley:** Porosity Evaluation in the Lower Eagle Ford Shale Formation, Atascosa County, South Texas

**10:40 David A. Ferrill, Ronald N. McGinnis, Alan P. Morris, Kevin J. Smart, Kirk D. H. Gulliver, Dan Lehrmann, and Mark A. Evans:** Mechanical Stratigraphic and Tectonic Controls on Natural Fracturing in the Eagle Ford Formation, South-Central and West Texas

**11:05 Bruce J. Martin and Trevor Brooks:** Transform Faulting—An Unseen Problem to Resource Plays

**Stratagraph**



**WORKFLOW IN CONVENTIONAL AND UNCONVENTIONAL  
RESERVOIRS: GEOPHYSICAL, CLASSIFICATION, AND MANAGEMENT  
PROCESSES FOR THE GEOLOGIST  
(Salon J)**

Session Chair: Helen Cunningham and Tom Ewing

- 8:20 OPENING REMARKS**  
**8:30 Sridharan Vallabhaneni:** Earth Modeling: A Key Tool to Perform a 3D Sweet Spot Analysis by Integrating Petrophysical and Geophysical Information  
**8:55 James A. MacKay and Gary P. Citron:** Optimal  $f$ : A Money Management Tool for Multi-Well Drilling Commitment Decisions  
**9:20 David L. McCabe, Alan J. Katz, Arthur H. Thomson, and Robert W. England:** Application of Electroseismic Technology for Direct Hydrocarbon Detection in Conventional Reservoirs—A Case History  
**9:45 BREAK**  
**10:15 Christopher P. Ross and David M. Cole:** A Comparison of Popular Neural Network Facies Classification Schemes  
**10:40 Robert M. Reed:** Organic-Matter Pores: New Findings from Lower-Thermal-Maturity Mudrocks  
**11:05 William E. Hanson, Graham E. Brew, Donna A. Lynch, and Tracy A. Mashiotta:** A Workflow for Rapid Well Location Ranking in Resource Plays

**Thursday AFTERNOON, NOVEMBER 2  
—ORAL SESSIONS—**

**DEEP WATER SYMPOSIUM:  
RESERVOIR ARCHITECTURE AND RESERVOIR QUALITY:  
FROM FIELDS TO OUTCROPS  
(Salon I)  
(Sponsored by ExxonMobil)**

Session Chairs: John Suter and Jon Rotzien

- 1:00 OPENING REMARKS**  
**1:10 Jonathan Rotzien:** Stratigraphic Terminations of the Eocene-Oligocene Annot Sandstone, Southeastern France  
**1:35 John R. Dribus:** Reservoir Characterization of Four Key Deepwater Depositional Facies  
**2:00 Gregory Gordon, Emily Fisher, Gary Myers, and Jim Boles:** Reservoir Quality Trends and Paleogeography in an Ancient Deepwater Environment: The Carneros Turbidite Systems, San Joaquin Basin, California  
**2:25 BREAK**  
**2:55 Khaled S. Amrouni, Sabra A. Alnaas, Ahmed S. El-Hawat, Michael C. Pope, Adel A. Obeidi, Aimen Amer, Hassan S. El-Bargathi, Osama Rahil Shaltami, Essa A. Elbileikia, Khalid A. M. Mustafa, Ahmed M. A. Al-Alwani, Mohamed SH. Abdalla El-Jahmi, and Salah S. Abdelsalam El-Ekhfifi:** Turbidite Facies Geometries, Quality, and Connectivity in the Cyrenaican Upper Cretaceous Carbonate Slope Deposits, Al-Athrun Formation, NE Libya  
**3:20 C. B. Rust:** Transregional Sequence-Stratigraphic Correlation of the Maastrichtian Fox Hills Sandstone: Colorado, Wyoming, South Dakota, North Dakota, and Montana

CGG

Frontera Exploration Consultants

**AUSTIN CHALK AND EAGLE FORD FORMATIONS:  
CRETACEOUS CARBONATE RESERVOIRS: AUSTIN CHALK,  
EDWARDS, BUDA, AND GEORGETOWN**  
(Salon H, K, L)

(Sponsored by EOG Resources, Inc.)

Session Chairs: Bruce Gates and Tom Fett

- 1:00 OPENING REMARKS**  
**1:10 Ben Flack, David Paddock, Edward May, Richard E. Lewis, Piyush Pankaj, Vasudhaven Sudhakar, Richard Salter, and Carly Miller:** Multi-Discipline, Multi-Scale Data Integration Unlocks the Horizontal Buda/Georgetown Tight Oil Play
- 1:35 Thomas E. Ewing:** Origin and Structural Development of the Pearsall Arch and its Relationship to Pearsall Field, Frio County, South Texas
- 2:00 John Cooper, Alexis Godet, Michael C. Pope, and Jeffrey Hardwick:** Stratigraphic Evolution of the Upper Cretaceous Austin Chalk Group on the San Marcos Arch and its Relation to Deep Basement Structure
- 2:25 BREAK**  
**2:55 David A. Ferrill, Kevin J. Smart, Ronald N. McGinnis, Alan P. Morris, and Kirk D. H. Gulliver:** Influence of Structural Position on Fracturing in the Austin Chalk
- 3:20 Peter R. Rose:** Regional Stratigraphy of the Edwards Group and Associated Formations of Texas (Lower Cretaceous, Comanchean): In Defense of the Classic View
- 3:45 Robert G. Loucks, Gregory Frébourg, and Harry D. Rowe:** Upper Cretaceous (Campanian) Ozan and Annona Chalks in Caddo–Pine Island Field, Northwestern Louisiana: Depositional Setting, Lithofacies, and Nanopore/Micropore Network

**WATER RESOURCES AND GULF COAST SEDIMENTOLOGY:  
WATER RESOURCES PROTECTION**  
(Salon J)

Session Chairs: Helen Cunningham and Allan Clark

- 1:00 OPENING REMARKS**  
**1:10 Ronald T. Green:** Potential Impact of Salt-Water Disposal Wells on Groundwater
- 1:35 Douglas A. Carlson and Marty Horn:** What are the Impacts of a Dense Field of Septic Systems on Groundwater Quality?

**WATER RESOURCES AND GULF COAST SEDIMENTOLOGY:  
GULF COAST SEDIMENTOLOGY**  
(Salon J)

Session Chairs: Helen Cunningham and Allan Clark

- 2:00 Scott W. Singleton:** Occurrence of Fossil Woods in Texas, Primarily the Cretaceous and Tertiary
- 2:25 BREAK**  
**2:55 Christopher N. Denison, Thomas D. Demchuk, and Jennifer M. K. O’Keefe:** Tidal Depositional Systems in the Wilcox/Carrizo of Bastrop County, Texas: Sedimentology, Ichnology, and Palynology
- 3:20 Suyapa Gonzalez, Samuel J. Bentley, Sr., Kristine L. DeLong, Kehui Xu, Jeffrey Obelcz, Jonathan Truong, Grant L. Harley, Carl A. Reese, and Alicia Caporaso:** Facies Reconstruction of a Late Pleistocene Cypress Forest Discovered on the Northern Gulf of Mexico Continental Shelf
- 3:45 Peter D. Clift, Elizabeth Olson, Juan Lorenzo, Allison Barbato, and Alexandra Lechnowskyj:** Architecture and Construction of a Mega-Scale Point Bar Complex, False River, Louisiana

### SPECIAL SESSION: HURRICANE HARVEY: USGS RAPID RESPONSE RESEARCH (Salon J)

Session Chairs: Helen Cunningham and Allan Clark

- 4:10** **OPENING REMARKS**  
**4:15** **Jeff East:** Hurricane Harvey—The U.S. Geological Survey Response and Data from this Historic Storm  
**4:30** **Douglas Schnoebelen:** Hurricane Harvey—Effects, What We Learned, and Next Steps

## FRIDAY MORNING, NOVEMBER 3 —ORAL SESSIONS—

### DEEP WATER SYMPOSIUM: INNOVATIVE METHODS AND TECHNIQUES (Salon I)

*(Sponsored by ExxonMobil)*

Session Chairs: John Suter and Jon Rotzien

- 8:20** **OPENING REMARKS**  
**8:30** **Roel Dirckx, Kevin Goldsmith, Jennifer Halliday, and Cian O'Reilly:** How Multibeam Data Complement and Improve Structural 2D Seismic Interpretation: Examples from the Mexican Gulf of Mexico  
**8:55** **John R. Dribus:** Geologic Hazards Associated with Exploration in Deep Water and around Salt Structures in the Gulf of Mexico  
**9:20** **Anish Kumar, Wesley Cantwell, Juan S. Herrera, and W. Xu:** Know your Shales: Analysis of Mass Transport Deposits in the Deepwater Gulf of Mexico Using Non-Conductive Mud High-Resolution Borehole Images  
**9:45** **BREAK**  
**10:15** **Muizz Matemilola, Rodrigo Bastidas, and Roger Slatt:** Core-Calibrated 3D Seismic Attribute Analysis for the Characterization of the South Brae Field, UK North Sea  
**10:40** **Doug L. Klepacki and Adam Cox:** Multi-Scale Facies Classification for Prediction of Textural Rock Properties from Post-Stack Seismic Data: BV Nose Discovery, Upper Miocene Deepwater Stevens Play, San Joaquin Basin, California  
**11:05** **Jason Kegel, Daniel Chaikin, and Duncan Bate:** Modern Imaging of Pre-Salt Strata and Structures in the Mississippi Canyon Area of the Gulf of Mexico Provides New Insight into the Evolution of the Basin

### GULF COAST FIELDS AND RESERVOIRS: JURASSIC GULF COAST FIELDS AND RESERVOIRS (Salon H, K, L)

*(Sponsored by EOG Resources, Inc.)*

Session Chairs: Ken Helm and Robert Foster

- 8:20** **OPENING REMARKS**  
**8:30** **Qifei Huang and Yuefeng Sun:** Carbonate Reservoir Characterization Using the Cementation Factor: A Case Study of Little Cedar Creek Field, Onshore Alabama  
**8:55** **William A. Ambrose, Shirley P. Dutton, and Robert G. Loucks:** Depositional Systems, Facies Variability, and their Relationship to Reservoir Quality in the Jurassic Cotton Valley Group, Texas, Louisiana, and Mississippi Gulf Coast  
**9:20** **Shirley P. Dutton, William A. Ambrose, Bohdan B. Horodecky, and Robert G. Loucks:** Regional Trends in Diagenesis and Reservoir Quality of Jurassic Cotton Valley Sandstones, Northern Gulf of Mexico Basin  
**9:45** **BREAK**

- 10:15 Stanley T. Paxton, Janet K. Pitman, Scott A. Kinney, Nicholas J. Gianoutsos, Ofori N. Pearson, Katherine J. Whidden, Russell F. Dubiel, Christopher J. Schenk, and Heidi M. Leathers-Miller:** Undiscovered Oil and Gas Resources in the Upper Jurassic Haynesville and Bossier Formations, U.S. Onshore Gulf Coast
- 10:40 Gary L. Kinsland, Kody Shellhouse, Eric Muchiri, John W. Snedden, and Jon W. Virdell:** Midway Shale: Post-Cretaceous/Paleogene Boundary Deposition
- 11:05 Robert G. Loucks and Kim Patty:** Vadose Diagenetic Dissolution Textures, Cementation Patterns, and Aragonite and Mg–Calcite Alteration in the Holocene Isla Cancún Eolianite Aragonitic Ooids: Modern Analog for Ancient Ooid-Grainstone Pore Networks

## FRIDAY AFTERNOON, NOVEMBER 3 —ORAL SESSIONS—

### DEEP WATER SYMPOSIUM: PETROLEUM SYSTEMS (Salon I)

*(Sponsored by ExxonMobil)*  
Session Chair: John Suter

- 1:25 OPENING REMARKS**
- 1:35 Paul Mann:** Grouping Regional Source Rocks from the Gulf of Mexico and Circum-Atlantic Conjugate Margins According to their Tectonic Phase
- 2:00 Andrew Pepper, Nazir Ahmad, and Amalia Doebbert:** Upper Paleocene–Lower Eocene Wilcox-Sourced Petroleum Systems of the Gulf of Mexico Basin: A Re-Evaluation and Comparison with the Coeval Patala Formation-Sourced Petroleum System in the Upper Indus Basin, Pakistan
- 2:25 Muhammad Nawaz Bugti and Paul Mann:** Stratigraphic and Structural Mapping of a Regional 2D Seismic Grid and Modeling of Petroleum Systems, Port Isabel Foldbelt, Northwestern Gulf of Mexico
- 2:50 Travis Payeur, Paul Weimer, Lucas Haas, William Gutterman, Eric Zimmermann, and Steve Cumella:** Thermal Maturity and Organic Richness of Upper Jurassic Source Rocks Based on Well Log and 1D Modeling Analyses, Northeastern Deepwater Gulf of Mexico
- 3:15 William C. Dawson, Sally J. Sutton, William R. Almon, and William T. Lawrence:** Sedimentologic and Diagenetic Influences on Sealing Potential: Lower and Upper Tertiary Shales, Deepwater Gulf of Mexico

### RESERVOIRS AND FIELD ANALOGS: GULF COAST FIELDS AND ANALOGS FROM OTHER PLAYS (Salon H, K, L)

*(Sponsored by EOG Resources, Inc.)*  
Session Chairs: Ted Flannigan and Gene Ames

- 1:00 OPENING REMARKS**
- 1:10 Md Golam Kibria, Qinhong Hu, and Yuxiang Zhang:** Nanopore and Spontaneous Imbibition Characterization of the Woodford Shale from West Texas

**Gisler Brothers Logging**

**Inland Ocean, Inc.**

- 1:35 Andrew Roark, Brendan Horton, Kay Lutostanski, and Dibyajyoti Tripathy:** Systematically Linking Environment of Deposition, Landing Zone, and Productivity in the Springer Shale Tight Oil Play, Oklahoma
- 2:00 James J. Willis and William G. Bixler, III:** Deformation of the Pennsylvanian Collings Ranch Conglomerate, Arbuckle Mountains, Southern Oklahoma: An Outcrop Mesoscale Intragranular and Intergranular Deformation Analogue to Subsurface Sandstone and Carbonate Reservoirs
- 2:25 Lance A. Harwerth, Harvey H. Howell, and Gary K. Rice:** Resuscitating the Vintage Indio Field Using New Exploration Technologies, Zavala County, Texas
- 2:50 James J. Willis, Duncan S. McIntosh, Jr., Jesse W. Zwennes, and Gregory J. Ferguson:** Quick-Look Technique for Quantifying Shale Distribution Types using Total Porosity versus Shale Volume Crossplots
- 3:15 James J. Willis and Lauren A. Martz:** Geocentric Sectoring of LWD Azimuthal Log Data for Improved RDIP and RSTRIKE Analysis: Enhanced Reservoir Navigation and Petrophysical Characterization

**Poster Sessions will be Thursday Morning (8:30 AM) and Thursday Afternoon (1:25 PM), November 2, and Friday Morning (8:30 AM), November 3, in the Exhibit Hall.**

**POSTER SESSION 1: Thursday, 8:30 AM – 12:00 PM**  
(Exhibit Hall, Salons A–F)  
Session Chair: Ray Knox

- P1 Tianguang Xu, Justin Devery, Angelina Belyayevskaya, Casey Langdon, and David McCaleb:** Subsalt Plays in the Deepwater Gulf of Mexico Basin
- P2 Peng Li, Daniel Jarvie, and Christopher Marlow:** Source Rock Evaluation of the Smackover Formation in Southern Arkansas
- P3 Bruce J. Martin and Trevor Brooks:** Transform Faulting—An Unseen Problem to Resource Plays
- P4 David T. King, Jr.:** Southeastern Alabama Borehole Stratigraphy, Including Unnamed and/or Poorly Known Lower Cretaceous, Jurassic, and Triassic Clastic Units
- P5 Xiaodong Zhang and Michael C. Pope:** High-Resolution Facies Analysis and Depositional Architecture of the Buda Formation in Central Texas
- P6 Robert L. Schoen:** Geology of the Alto Relex Area, Sierra del Carmen, Big Bend National Park, Brewster County, Texas
- P7 Jensen Angelloz and Chris A. Barker:** Investigation of Ductile and Brittle Deformational Reorganization in the Northwestern Wind Mountain Quadrangle, Burro Mountains, New Mexico
- P8 Adewale Amosu and Yuefeng Sun:** Visualization of Angular Unconformities and Tectonic Angular Discordance Measurement Constraints by Structural Geometrical Flattening: Case Studies in the Permian (California), Grand Canyon (Arizona), Chad Basin (Nigeria), Algarve Basin (Iberian Peninsula), and the Aegean Sea Basin (Turkey)
- P9 Beatriz Serrano-Suarez and Paul Mann:** Major Subsurface Stratigraphic Units of the Southern Senegal Basin, Northwest Africa
- P10 Douglas Carlson:** A Comparison of Holocene Climatic Optimum Periods: Are they as Warm as the Post–Little Ice Age Period and are Greenhouse Gas Concentrations Similar?
- P11 Martin Messmer and Chris Barker:** Structural Geology of Southern Caddo Gap Quadrangle, Arkansas: New Evidence for Strike-Slip Faulting
- P12 Catherine B. Enomoto, Paul C. Hackley, Brett J. Valentine, William A. Rouse, Frank T. Dulong, Celeste D. Lohr, and Javin J. Hatcherian:** Geologic Characterization of the Hydrocarbon Resource Potential of the Upper Cretaceous Tuscaloosa Marine Shale in Mississippi and Louisiana, U.S.A.

- P13 Stan Galicki, Jeb Galtney, Maria Bujenovic, Theresa Woehner, and Trevor H. Galicki:** Multi-Proxy Analysis of Lower Mississippi Alluvial Plain Lacustrine Sediment, Clark Lake, Sharkey Co., Mississippi

## POSTER SESSION 2: Thursday, 1:25 PM – 6:00 PM

(Exhibit Hall, Salons A–F)

Session Chair: Ray Knox

- P1 Peng Li:** Use of X-Ray CT Imaging and 2D Scanning Electron Microscope for Evaluation of Smackover Mudstone Reservoir Properties
- P2 Justin E. Birdwell and Scott A. Kinney:** Estimating Thermal Maturity in the Eagle Ford Shale Petroleum System Using Gas Gravity Data
- P3 Justin E. Birdwell, Augusta Warden, Michael D. Lewan, Paul G. Lillis, and Mark F. Dreier:** Interlaboratory Comparison of Programmed Pyrolysis Data Generated by Different Instruments: A Case Study on the Barnett Shale
- P4 Tobi Kosanke, Stephanie Perry, and Ruben Lopez:** High-Resolution Hyperspectral Imaging Technology: Implications for Thin-Bedded Reservoir Characterization
- P5 Jared S. Bullock, James B. Harris, and Brooks A. Rosandich:** Shallow Seismic Reflection Investigation of the Big Ridge Escarpment, Jackson County, Mississippi
- P6 Scott A. Kinney:** Methodology for Generating Bottom Hole Temperature Gradients Using Published Correction Methods
- P7 Stephen Z. Hoff, Jr. and Alan R. Dutton:** Beyond the Bad-Water Line—A Model for the Occurrence of Brackish Water in Upper Coastal Plain Aquifers in Texas
- P8 Andrez M. Aguilar and James B. Harris:** Preliminary Seismic Investigation of the Bliss Creek Lineament near Edwards, Mississippi
- P9 Eric Lunn:** Gravity Modeling and Seismic Reflection Study of the Barreirinhas and Ceara Basins of Northern Equatorial Brazil to Determine Upper Plate–Lower Plate Origins across the Romanche Fracture Zone and Implications for Hydrocarbon Prospectivity
- P10 Presly Carr and Paul Mann:** Compilation of Stratigraphic Thickness, Total Organic Carbon Values, and Source Rock Types Produced by Oceanic Anoxic Events (OAE) 1A, 1B, and 2 on the Atlantic and Gulf of Mexico Conjugate Margins
- P11 Lucia Torrado:** Seismic Characterization of the Upper Cretaceous Submarine Fan System in the Deepwater Foz do Amazonas Basin, Northern Brazil: An Analog for Upper Cretaceous Fan Plays on Atlantic Passive Margins
- P12 Ao Su:** The Origins and Charging Processes of Oil-Gas in the Songdong and Baodao Regions in the Eastern Qiongdongnan Basin, South China Sea

## POSTER SESSION 3: Friday, 8:30 AM – 12:00 PM

(Exhibit Hall, Salons A–F)

Session Chair: Ray Knox

- P1 Longlong Li and Lin Pan:** Enrichment Mode and Distribution Characteristics of Remaining Oil in Condition of Strong Driving by Bottom-Water
- P2 Sergio Perez Rodriguez:** Statistical Look of the Hydrocarbon Prospectivity of Undiscovered Subsalt Plays at the Mexican Side of the Deepwater Gulf of Mexico Basin
- P3 Alden Netto and Seiichi Nagihara:** Delineating the Ocean–Continent Crustal Boundary of the Eastern Gulf of Mexico Based on Heat Flow Measurements
- P4 William H. Craddock, Marc L. Buursink, and Paul C. Hackley:** Comparison of Methods for Reconstructing the Erosion and Thermal History in the Maverick Basin, South Texas, Using Vitrinite Reflectance, Bottom-Hole Temperature, and Well Log Data
- P5 Adewale Amosu and Yuefeng Sun:** Sequence Stratigraphy, Chronostratigraphy and Spatio-Temporal Stratigraphic Thickness Variation of the Agbada Formation, Robertkiri and Delta Fields, Niger Delta, Nigeria

- P6 Pin Lin and Paul Mann:** Comparison of Regional, Total Tectonic Subsidence Variations in the eastern Gulf of Mexico Produced during Two-Stage, Mesozoic Basin Opening
- P7 Andrew Steier:** Correlating High-Quality, Upper Jurassic Eolian Sandstone Reservoir Units between the Northeastern U.S. Gulf of Mexico and the Mexican Gulf of Mexico along the Northern Yucatan Margin Using Regional Grids of Seismic Reflection Data
- P8 Vsevolod Egorov, Robert Neese, and Jonathan Neese:** Delineation of Structural Trends in Caldwell County, Texas
- P9 Eli Gonzalez, Chu-Lin Cheng, Juan Gonzalez, and Sarah M. F. Hardage:** Subsurface 3D Model of the South Texas Sand Sheet and its Connection to Regional Hydrologic Systems
- P10 Emily Stibbe and Paul Mann:** Using Subsidence Analysis to Test whether the Eastern USA and Northwestern Africa Conjugate Margins are Upper Plate and Lower Plate Rifted Margins
- P11 Omar Zavala and Paul Mann:** Comparison of Tectonic and Subsidence Events of the Demerara (South American) and Guinea (West African) Rifted, Conjugate Margins
- P12 Cole Hendrickson:** The Sequence Stratigraphic Context of Mixed Carbonate-Evaporitic Deposition in the Harrisburg Member of the Permian Kaibab Formation, Northern Arizona and Southern Utah
- P13 Patrick D. Jordan:** Stratigraphic Variability of the Desmoinesian Marmaton Group across the Lips Fault System in the Texas Panhandle Granite Wash, Southern Anadarko Basin
- P14 Peter R. Rose:** Stratigraphy of the Fredericksburg-Washita Division (Comanche-Cretaceous), Texas, Emphasizing the Person and Georgetown Formations: The "Classic" View



**HEI**

Hydrate Energy International





## Sequence Stratigraphy: The Future Defined



36th Annual GCSSEPM Foundation  
Perkins-Rosen Research Conference

Marathon Conference Center, Houston TX  
December 4-5, 2017

Online Registration At: <https://www.sepm.org/Forms.aspx?pageID=457>

The conference aims to help define the future of sequence stratigraphy as it is applied in the petroleum industry. Does it still add quantifiable value? If so, how? If not, why not? This truly global-in-scope meeting addresses these questions as they apply to siliciclastic, carbonate and shale settings.

Topical sessions include:

- Property prediction in carbonate, mixed, and siliciclastic settings
  - Source-to-sink
- Global forcing vs. autocyclicity
  - Sequence biostratigraphy
- Sequence stratigraphic analyses of resource plays
  - Innovative methods for undertaking sequence stratigraphic analyses
  - Case studies: successes and failures

*Partial list of presenters:*

*Peter Burgess, Peter Clift, Gregor Eberli, Cedric John, Charlie Kerans, Ole Martinsen, Jack Neal, Henry Posamentier, Rick Sarg, Steve Sonnenberg.*

*Or Visit Us At [www.gcssepm.org](http://www.gcssepm.org)*

*Unless otherwise noted, short courses will be held at the Marriott Rivercenter Hotel. Please check at Registration (Reg. Desk 2 & Foyer) for last-minute spots.*

### Short Course — Integrated Exploration Methods for Clastic Depositional Systems (*Sponsored by Basin Dynamics*)

**Tuesday, October 31 & Wednesday, November 1**

Day 1, 8:00 am–5:00 pm; Day 2, 8:00 am–4:00 pm

Instructor: Jon Rotzien, President, Basin Dynamics, Houston, TX

Location: Conf. Rm. 3

Fee: \$150 per person

Maximum: 30 persons

### Short Course — Log Analysis for Unconventional Reservoirs

**Wednesday, November 1**

8:00 am–4:00 pm

Instructor: George Asquith, Professor of Geosciences, Texas Tech University

Location: Conf. Rm. 4

Fee: \$195 per person

Maximum: 40 persons

### Short Course — Ethics for Geologists (Includes Breakfast)

**Friday, November 3**

7:30 am to 8:30 am

Instructor: John Jordan, Professional Geoscientist with more than 30 years of experience in the petroleum industry working around the world

Location: Salon J

Fee: \$50 per person

Maximum: 90 persons

### Short Course — Introduction to Seismic Interpretation (*Sponsored by GCSSEPM*)

**Saturday, November 4 & Sunday, November 5**

Day 1, 8:00 am–5:00 pm; Day 2, 8:00 am–4:00 pm

Instructors: Bruce Hart, Statoil, Austin, TX; and Carl Fiduk, Fiduk Consulting, Houston, TX

Location: Trinity University (Students will be responsible for their own transportation)

Fee: \$30 (STUDENTS ONLY) (Includes lunch and refreshments each day)

Maximum: 30 persons



*All field trips will depart PROMPTLY at the indicated departure time and return to the Marriott Rivercenter. All transportation will be provided with toilet equipped buses. Water will be provided or bring you own soft drinks. Check at Registration for last-minute availability.*

**Field Trip — Canyon Lake Gorge\***

**Wednesday, November 1**

Leaders: Lyle Baie, David Ferrill, and Tom Fett

Departure: 9:00 am

Return: 3:00 pm

Fee: \$100 per person; \$50 for students (cost includes transportation and box lunch)

\*Note: The trip is moderately strenuous, especially in the event of rain.

**Field Trip — Austin Chalk and Eagle Ford Shale in San Antonio\***

**Saturday, November 4**

Leader: John Cooper

Departure: 9:00 am

Return: 4:00 pm

Fee: \$100 per person; \$50 for students (cost includes transportation and box lunch).

\*Note: The trip is moderately strenuous, especially in the event of rain.

 **PETROSYS**

**PINE BROOK**

**Suemaor Exploration &  
Production, LLC**



*The Guest/Spouse fee includes the Opening Session, Icebreaker, Exhibition, all coffee breaks, Thursday's Presidents' Reception, and Hospitality Suite on Wednesday, Thursday, and Friday. Please check at Registration for last-minute availability of the guest tour.*

### HOSPITALITY

Welcome to San Antonio and the 2017 GCAGS-GCSSEPM Convention! All guests and spouses are invited to take part in the events that are included in your registration fee. In addition, two activities are available at extra cost that will give you the opportunity to see San Antonio and the local San Antonio culture. The Guest Fee includes the Opening Session, Icebreaker, Exhibition Hall and all coffee breaks. **Please note that professionals may not register as guests.**

Join us in the Hospitality Suite at the Marriott Rivercenter Hotel, Vice Presidential Suite 3529, from Wednesday, November 1st, through Friday, November 3rd. Morning and afternoon refreshments will be available daily. Our hostesses will be on hand to answer any questions about local restaurants and shopping.

### HOSPITALITY SUITE HOURS

#### Marriott Rivercenter Hotel, Vice Presidential Suite 3529

Wednesday, November 1.....	3:00 pm–4:30 pm
Thursday, November 2.....	8:00 am–9:30 am and 3:00 pm–4:30 pm
Friday, November 3.....	8:00 am–9:30 am

### GCAGS HOSPITALITY ENRICHMENT PROGRAMS

#### Guest Activity: Shopping and Art

Leader: Cher Hawkins  
Date & Time: Thursday, November 2, promptly at 9:00 am–3:00 pm  
Depart/Return to Marriott Rivercenter lobby  
Fee: \$65 per person  
Maximum 25 participants

Tour a fascinating factory that manufactures shoes! San Antonio Shoe features everything from walking and athletic shoes to pumps, flats, sandals. SAS remains a family-owned company that sells shoes in the United States, Canada, Mexico, Australia, Korea, Kuwait, UAE, Saudi Arabia, Panama, Chile, Israel, and England. Then catch the spirit of the West at the Briscoe Western Art Museum. The tour of this breathtaking, new and beautiful Museum and its art will help to preserve the art and culture of the American West. Then it's off it to the Pearl where you will experience the new and the incredible Pearl District where you will have time to explore the wonderful shops, fifteen restaurants, and cafes and it's just steps from the San Antonio River Walk.

**Please note: This tour includes roundtrip transportation and some light walking. Lunch is not included. Wear comfortable shoes.**



San Antonio Chapter



## STUDENT PARTICIPATION

We offer a special registration fee (only \$45) to facilitate student participation. This fee is applicable for students or new grads who have not yet accepted employment offers. Students may also register as a Student Volunteer. If selected, you will receive a refund of your registration fee after you have worked a half day, as assigned. This fee allows entry to the Opening Session, Icebreaker, Exhibition, all technical sessions, reduced rates for select field trips and short courses, and a digital copy of the 2017 *GCAGS Transactions*.

## STUDENT VOLUNTEERS

Half-day volunteers are needed beginning 7:00 am, Wednesday, November 1, through Friday, November 3rd. Volunteers will earn full-paid student registration. Assignment preferences will be weighed on volunteer date, and registration fees will be refunded on site upon completion of a half day's work. Possible responsibilities include serving as short course assistants, checking in field trip/short course participants, technical session 'runners,' ticket taking, manning registration, preparing convention packets, and staffing judges' room. For more information, contact Alf Hawkins, Volunteers Chair, at [hawkinsalf@hotmail.com](mailto:hawkinsalf@hotmail.com).

### Volunteers Needed during these Times and Dates

Wednesday, November 1	7:00 am–6:00 pm
Thursday, November 2	7:00 am–7:00 pm
Friday, November 3	7:00 am–5:00 pm

## Young Professionals Night Cap (Sponsored by Gisler Brothers Logging)

### Wednesday, November 1

8:30 pm–11:00 pm

Location: Young Professionals Night Cap, The Friendly Spot, 943 S. Alamo St., San Antonio

## Short Course — Introduction to Seismic Interpretation (Sponsored by GCSSEPM)

### Saturday, November 4 & Sunday, November 5

Day 1, 8:00 am–5:00 pm; Day 2, 8:00 am–4:00 pm

Instructors: Bruce Hart, Statoil, Austin, TX; and Carl Fiduk, Fiduk Consulting, Houston, TX  
 Location: Trinity University (Students will be responsible for their own transportation)

Fee: \$30 (STUDENTS ONLY) (Includes lunch and refreshments each day)

Maximum: 30 persons

This is a 2-day short course that introduces participants to seismic interpretation as applied in the petroleum industry. Lectures, hands-on exercises, and discussions focus on the tools and concepts used by interpreters to derive structural and stratigraphic information from 2D and 3D seismic data. Topics include the principles of the seismic method, data acquisition and processing, interpretation tools and workflows, and how all of these factors affect structural and stratigraphic interpretations. No prior knowledge of geophysics is needed.



STGS MEMBERSHIP



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 Past President.....Brent Hopkins  
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**Bonnie R. Weise**

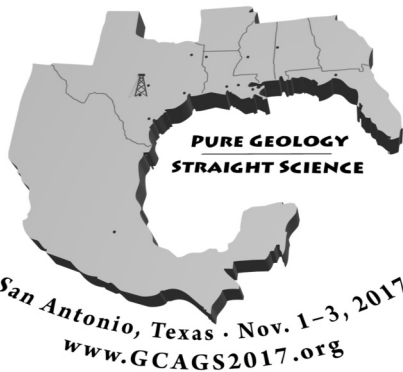
**Welder Exploration & Production, Inc.**

**Windridge Oil & Gas LP**

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### Convention Organizing Committees

Convention General Chair .....	Gene Ames, III
Convention Vice-Chair .....	David Clay
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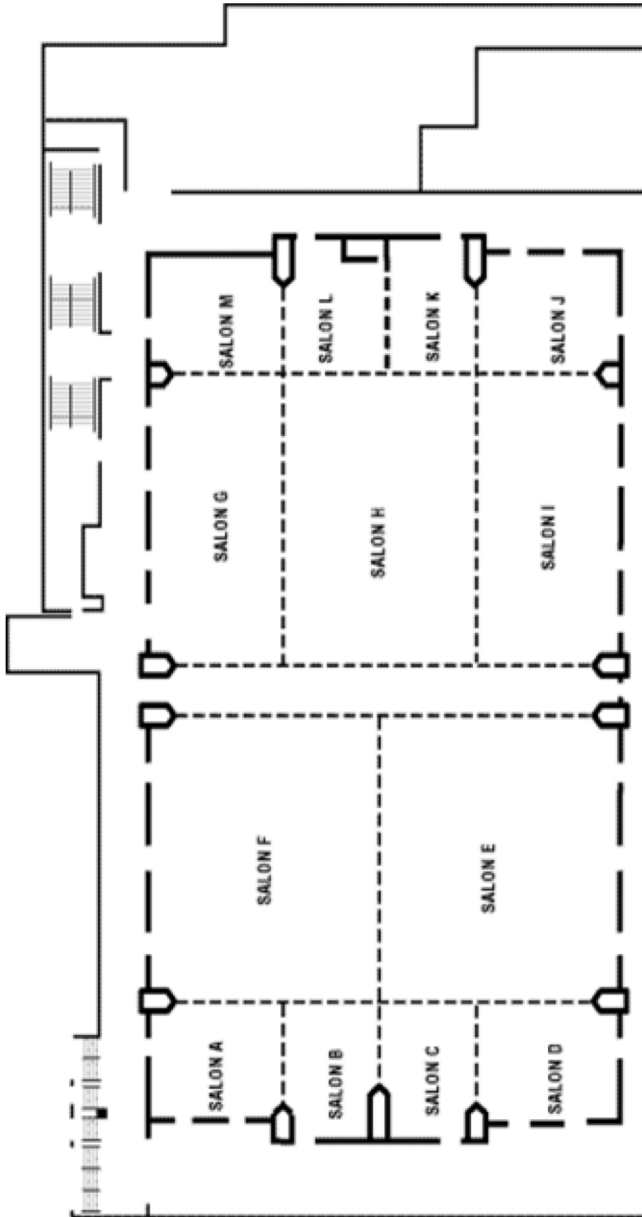


Convention Team



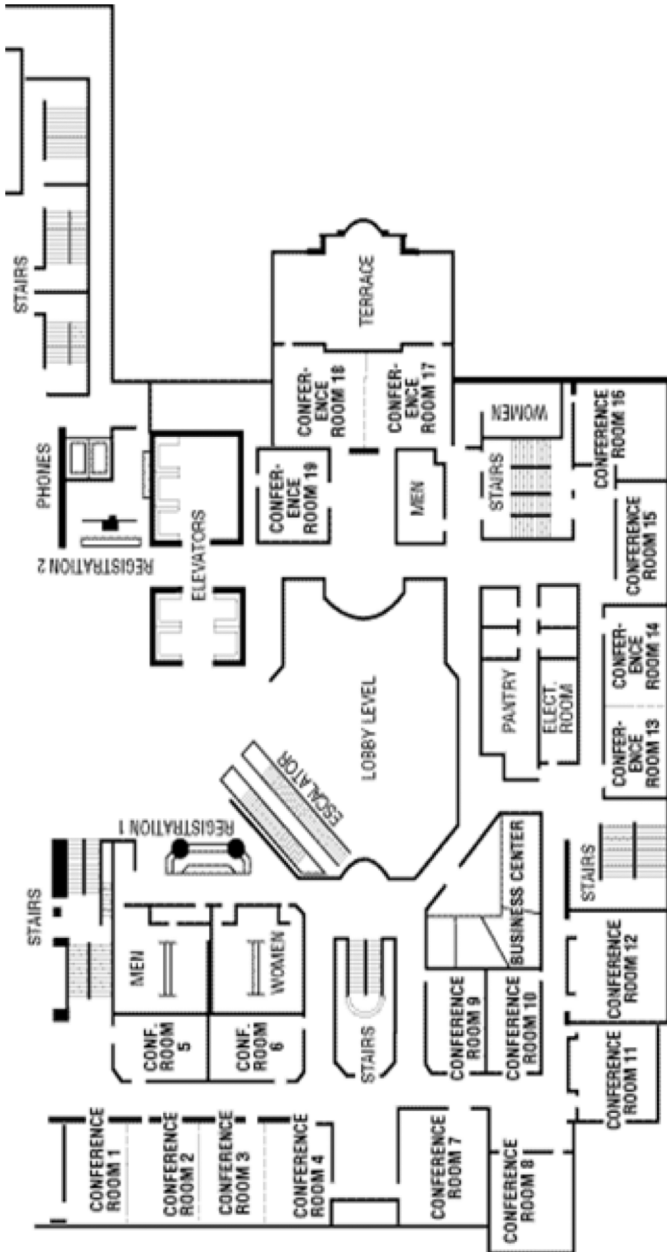
Marriott Rivercenter Hotel  
(Convention Headquarters)  
101 Bowie St., San Antonio, Texas

Floor Plan



Directional Signage Sponsored by American Shoreline, Inc.

FLOOR PLAN



Floor Plan



Marriott Rivercenter Hotel  
Exhibit Hall Floor Plan  
(Level 3, Salons A-F)

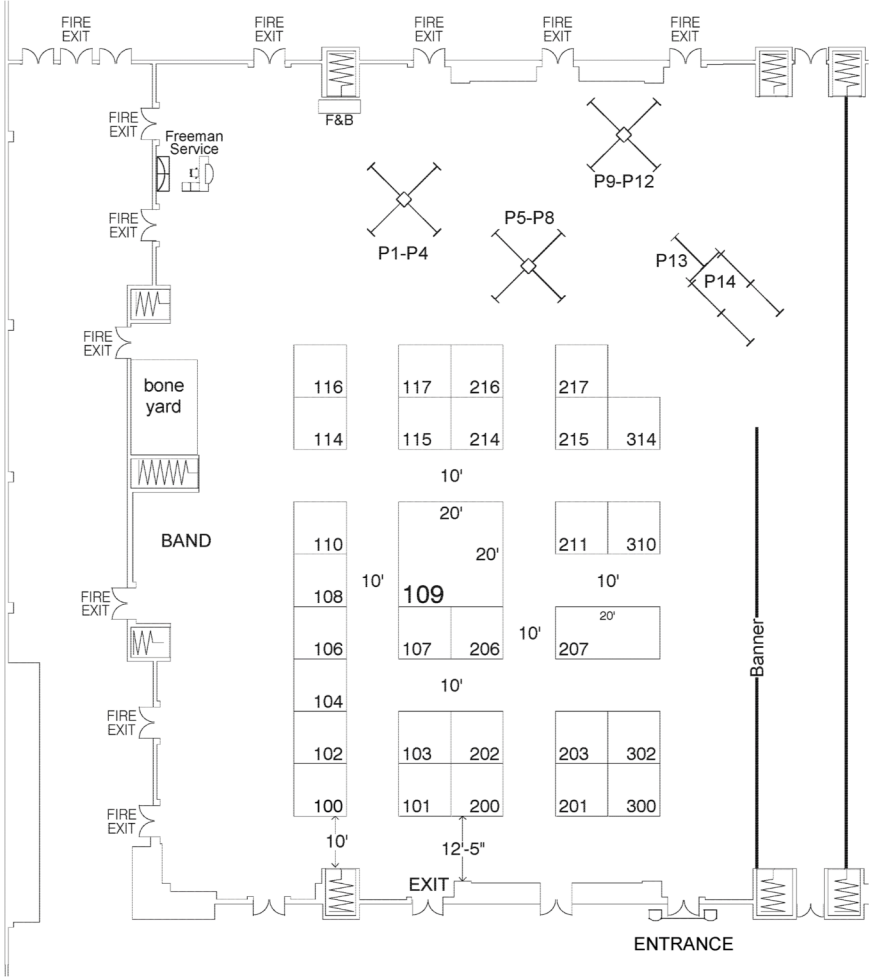


Exhibit Hall Map

Exhibitor	Booth	Product/Service Description
<b>AAPG</b> <a href="http://www.aapg.org">http://www.aapg.org</a> <a href="mailto:vbeighle@aapg.org">vbeighle@aapg.org</a>	<b>106</b>	AAPG provides publications, conferences, and educational opportunities to geoscientists and disseminates the most current geological information available to the general public. AAPG is about the science of petroleum geology and is the world's premier professional association for explorationists. We hope you will contact us for membership information or details about the many services we provide.
<b>Advanced Geosciences, Inc.</b> <a href="http://www.agiusa.com">http://www.agiusa.com</a> <a href="mailto:Delma@aguisa.com">Delma@aguisa.com</a> <i>Real time color pseudo-section presentation.</i>	<b>200</b>	AGI is the manufacturer of the SuperSting geoelectrical tomography system. Remote control and real time data quality analysis is achieved using an Android device. Some applications of the SuperSting system are deep mineral exploration, subsurface pollution mapping, shallow and deep marine hydrocarbon exploration, agriculture, geotechnical, and geology.
<b>Apache Corporation</b>	<b>202</b>	
<b>Bureau of Economic Geology</b> <a href="http://www.beg.utexas.edu">http://www.beg.utexas.edu</a> <a href="mailto:dallas.dunlap@beg.utexas.edu">dallas.dunlap@beg.utexas.edu</a>	<b>114</b>	Bureau researchers spearhead basic and applied research projects around the world; among them, research in energy resources and economics, coastal and environmental studies, land resources and use, geologic and mineral mapping, hydrogeology, geochemistry, and subsurface nanotechnology.
<b>CLS GeoSolutions</b> <a href="http://www.clsgeosolutionsllc.com">http://www.clsgeosolutionsllc.com</a> <a href="mailto:nmartinw@clsgeosolutionsllc.com">nmartinw@clsgeosolutionsllc.com</a>	<b>216</b>	CLS Geosolutions LLC, founded in 2017, delivers to our clients diverse professional and integrated geoscience services focused on providing a faster, validated and data-driven insight of conventional Oil and Gas reservoirs and shale sweet spots. For conventional production, our integrated workflows generate value-added static geo-models that mimic the geological setting and reservoir's properties. For shale production, our workflows build log- and seismic-based shale property models (i.e., TOC and Brittleness), geomechanics models, and fracture orientation mapping.
<b>Dawson Geophysical Co.</b> <a href="http://www.Dawson3d.com">http://www.Dawson3d.com</a> <a href="mailto:Ryan.Marshall@Dawson3d.com">Ryan.Marshall@Dawson3d.com</a>	<b>115</b>	
<b>EDGE Systems</b> <a href="http://www.pmls.com">http://www.pmls.com</a> <a href="mailto:jparsons@edgelog.com">jparsons@edgelog.com</a> <i>Mudlogging, Quality personnel, Rental Gas Systems.</i>	<b>302</b>	PML provides, Mud logging, Geosteering, Remote logging & Gas detection services to energy companies. Additionally, our subsidiary, EDGE Systems provides rental gas analyzers to other service providers. Our lead loggers have at least 5 years experience and/or a degree in geology. Our systems are web enabled to provide logs, calibration, etc.
<b>ES Xplore, LLC</b> <a href="http://www.esxplore.com">http://www.esxplore.com</a> <a href="mailto:nkelley@esxplore.com">nkelley@esxplore.com</a>	<b>104</b>	



<p><b>GCAGS Bookstore</b>  <a href="http://www.begstore.beg.utexas.edu/store/">http://www.begstore.beg.utexas.edu/store/</a>  <a href="mailto:pubsales@beg.utexas.edu">pubsales@beg.utexas.edu</a></p>	109	<p>Be sure to drop in and browse our extensive array of publications. If you pre-order your <i>Journal</i> or a hard copy of the 2017 <i>Transactions</i> volume, bring your voucher by to exchange it for your book.</p>
<p><b>GCSSEPM Foundation</b>  <a href="http://www.gcssepm.org">http://www.gcssepm.org</a>  <a href="mailto:jsuter@yahoo.com">jsuter@yahoo.com</a></p>	107	<p>The GCSSEPM comprises two autonomous associated organizations: the Gulf Coast Section SEPM (GCSSEPM), est. in 1953, and the GCSSEPM Foundation, est. in 1981. Their mission is to promote the science of stratigraphy in the Gulf Coast states through research in paleontology and sedimentary petrology, especially as it relates to petroleum geology.</p>
<p><b>Gems &amp; Crystals Unlimited</b>  <a href="http://www.gemsandcrystalsunlimited.com">http://www.gemsandcrystalsunlimited.com</a>  <a href="mailto:Jeweler@mindspring.com">Jeweler@mindspring.com</a>  <i>Customized gold and platinum jewelry.</i></p>	207	<p>Complete custom work, including engagement, anniversary and any special celebrations for you! Outstanding collection of gemstones, diamonds, rubies, sapphires, emeralds, tanzanite, etc. Great collection of Art Deco and other antique jewelry in gold, platinum and silver, cameos, cufflinks, pins and collectibles, crystals, and minerals.</p>
<p><b>GeoCare Benefits Insurance</b>  <a href="http://www.geocarebenefits.com">http://www.geocarebenefits.com</a>  <a href="mailto:mrodriguez@agia.com">mrodriguez@agia.com</a>  <i>All your Insurance needs!</i></p>	108	<p>AAPG encourages members to participate in our GeoCare Group Insurance. Plans include Medical (through AAPG's GeoCare Members' Private Medical Insurance Exchange), Term Life, Cancer Expense, Dental, Disability, Medicare Supplement and other supplemental plans. The Program sponsors Auto, Homeowner and other Personal Lines of coverage.</p>
<p><b>GeoFrontiers</b>  <a href="http://www.geofrontiers.com">http://www.geofrontiers.com</a>  <a href="mailto:garyrice@geofrontiers.com">garyrice@geofrontiers.com</a></p>	300	<p>GeoFrontiers acquires trace gas and liquid hydrocarbon data for geochemical exploration. We solve difficult problems in severe environments, interpret, and integration with seismic data enhances most exploration projects. Recent capability additions include soil gas probe, carbon dioxide mapping, and helium exploration.</p>
<p><b>Gravity Map Service</b>  <a href="http://gravityservices.com">http://gravityservices.com</a>  <a href="mailto:b.neese@gravityservices.com">b.neese@gravityservices.com</a></p>	211	<p>Gravity Map Service provides oil and gas and mining exploration companies with high resolution gravity data and processing. In addition to the GMS gravity data library, GMS also brokers gravity and magnetic data for various other geophysical data companies. Providing a better understanding of subsurface structure through the integration of gravity data into exploration programs will assist in defining the areas where more expensive geophysical methods will be used.</p>
<p><b>Horizon/Exlog</b>  <a href="http://www.hzmud.com">http://www.hzmud.com</a>  <a href="mailto:Dkellar@exlog.com">Dkellar@exlog.com</a>  <i>Mud Logging, GeoSteering, Geochemical</i></p>	206	<p>Horizon Well Logging is the premier mud logging and geosteering firm supporting natural gas and oil exploration companies from the Mid-Continent, S. Texas, Rockies, Appalachia region and beyond since 1988 utilizing cutting edge technology.</p>

<p><b>Houston Geological Society</b> <a href="https://www.hgs.org/">https://www.hgs.org/</a></p>	102	Please visit our website: <a href="http://www.hgs.org">www.hgs.org</a> .
<p><b>Lafayette Geological Society</b> <a href="http://www.lafayettegeologicalsociety.org">http://www.lafayettegeologicalsociety.org</a> jhargrave@louisiana.edu</p>	101	
<p><b>LMK Resources Inc.</b> <a href="http://www.lmkr.com">http://www.lmkr.com</a> anazar@lmkr.com LMKR is the global provider of GeoGraphix®.</p>	203	LMKR is a petroleum technology company with an extensive solutions portfolio; LMKR is also the global provider of GeoGraphix®, a complete, affordable, geoscience system offering leading edge mapping; geological, geophysical & petrophysical modeling; well and field planning; and state-of-the-art 3D visualization.
<p><b>Neuralog</b> <a href="http://neuralog.com">http://neuralog.com</a> Desktop - Well Data, Document &amp; Log Management Bryan Mills 281-969-1031 kchapman@neuralog.com</p>	215	Neuralog provides intuitive, efficient, low-cost solutions to capture, organize and analyze Oil and Gas data. Our products include the world's only purpose-built well log scanner, best-in-class well log printers, industry-standard automated well log and map digitizing software, the most efficient geology analysis package, and a GIS-based data access and visualization application.
<p><b>Paleo-Data, Inc.</b> <a href="http://www.paleodata.com">http://www.paleodata.com</a> rhonda@paleodata.com</p>	310	Domestic & International Biostratigraphic Services.
<p><b>Petrosys USA</b> <a href="http://www.petrosys.com.au">http://www.petrosys.com.au</a> jessica.dunlap@petrosys-usa.com Subsurface Mapping &amp; Modeling, Data Management</p>	214	Petrosys is the industry leader in mapping, surface modeling & data management software solutions delivering direct connectivity with the most popular exploration, production & GIS data sources. Petrosys produces high quality maps & surface models. It manages, edits & analyses the underlying information, including the specialized seismic, well & geoscience data used in the search for oil & gas.
<p><b>Rogii Inc</b> <a href="http://www.rogii.com">http://www.rogii.com</a> kamilla@rogii.com</p>	314	
<p><b>SEPM (Society for Sedimentary Geology)</b> <a href="http://www.sepm.org">http://www.sepm.org</a> Theresa Scott 918-610-3361, ext. 101 tscott@sepm.org</p>	103	SEPM is dedicated to the dissemination of scientific information on sedimentology, stratigraphy, paleontology, marine geology, hydrogeology, and many related specialties. The Society publishes two major scientific journals, <i>Journal of Sedimentary Research</i> and <i>PALAIOS</i> , and produces technical conferences, short courses, and special publications.
<p><b>Shreveport Geological Society</b></p>	110	Host of the 2018 Annual Convention of the GCAGS with GCSSEPM, September 30–October 2, Shreveport Convention Center.
<p><b>South Texas Geological Society</b> akclark@usgs.gov 210-857-6724</p>	100	STGS is proud to host the 2017 GCAGS/ GCSSEPM Convention.



<p><b>Thompson Solutions LLC</b>  <a href="http://www.thompsonsolutions.com">http://www.thompsonsolutions.com</a>  <a href="mailto:gary.thompson@thompsonsolutions.com">gary.thompson@thompsonsolutions.com</a></p>	<p><b>211</b></p>	<p>Thompson Solutions LLC provides integrated geophysical &amp; geological interpretation solutions for the exploration of oil, gas &amp; minerals. Custom solutions are based on integration of client's data with our expertise in the interpretation of gravity, magnetic, &amp; geological data. Brokerage of commercial gravity and magnetic data and management of new data acquisition ensures the best data coverage.</p>
<p><b>TraceSeis, Inc.</b>  <a href="https://www.traceseis.com">https://www.traceseis.com</a>  <a href="mailto:achaveste@traceseis.com">achaveste@traceseis.com</a></p>	<p><b>216</b></p>	<p>TraceSeis, Inc. provides services and software to understand the relationship that rock and reservoir properties have with seismic data; all with the objective of reducing risk in quantifying reservoir (or resource) properties using well-calibrated seismic. Founded in 2003, TraceSeis provides Geoscience solutions to the Oil and Gas industry through: Services, Consulting and Software.</p>
<p><b>Tricon Geophysics</b>  <a href="http://www.tricongeophysics.com">http://www.tricongeophysics.com</a>  <a href="mailto:dave.williams@tricongeophysics.com">dave.williams@tricongeophysics.com</a></p>	<p><b>201</b></p>	<p>Seismic Imaging Time and Depth Reservoir Services for AVO Inversion, Pre-stack Inversion &amp; Fracture Analysis Petrophysical Analysis</p>
<p><b>Wildcat Technologies</b>  <a href="http://www.wildcattechnologies.com">http://www.wildcattechnologies.com</a>  <a href="mailto:juliejones@wildcattechnologies.com">juliejones@wildcattechnologies.com</a></p>	<p><b>201</b></p>	







**The 68<sup>th</sup> Annual Convention**  
of the Gulf Coast Association of Geological Societies  
and the Gulf Coast Section of the  
Society of Economic Paleontologists and Mineralogists  
**September 30-October 2, 2018**

## CALL FOR PAPERS

The Shreveport Geological Society is proud to host the 2018 Annual Meeting for the GCAGS-GCSSEPM. We look forward to continuing the long tradition of presenting the best of the geosciences from the Gulf Coast. Our theme, "**Energy! Ready for the Next Round!**", recognizes the fact that we have remained up-to-date in the most advanced techniques of exploration for oil and natural gas and questions of environmental policy in our industries. Our work is recorded for the worldwide geological community in our superior publication, *The Transactions*. We invite you to be a part of this process by submitting an abstract for an oral or poster presentation in Shreveport for the 2018 Convention of the GCAGS and GCSSEPM.

### PROPOSED TECHNICAL SESSIONS

Current Evaluation of Haynesville Shale

Other Shale Plays

Deep Water Developments-Source to Sink-Gulf of Mexico

Visualization, Geochemistry, & Interpretation of Geologic Systems

Tight Gas Sand Development

Conventional Carbonates and Clastics

Water Resources

Ark-La-Tex Field Studies

Resource Business Models in the 21<sup>st</sup> Century

Geology and Education

Seismic Applications in the Upper Gulf Coast

Thinking Like an Explorationist

Where Is the Climate Going?

Dealing With Global Change

Horizontal Exploration Plays

Abstracts or summaries of your oral and poster presentations may be submitted to GCAGS Technical Program and Oral Session Chairman Zach McDonald at [zmcdonald@bellsouth.net](mailto:zmcdonald@bellsouth.net) beginning December 15, 2017, but no later than February 15, 2018. First drafts of full papers from selected presenters that will be included in the 2018 *Transactions* must be submitted by April 2, 2018. Full information, instructions, size limitations, and helpful hints for abstracts, summaries, extended abstracts, and full papers will be posted online at [www.gcags2018.org](http://www.gcags2018.org).

If you would like to publish in the *GCAGS Journal* (the Peer-Reviewed Journal of Gulf Coast Geoscience) please submit an extended abstract of at least 600 words, including 1-2 representative figures, to GCAGS *Journal* Editor, Bob Merrill, at [bmerrill@catheart.com](mailto:bmerrill@catheart.com) by December 15, 2017. Once accepted for publication, a full manuscript should be submitted before April 2, 2018. Full instructions for manuscript submissions will be posted online at [www.gcags2018.org](http://www.gcags2018.org). Convention presentations of *Journal* submissions are encouraged but not required.

Visit [GCAGS2018.org](http://GCAGS2018.org) for more information.

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# Mark Your Calendars for 2018!

## GCAGS/GCSSEPM 2018 68<sup>th</sup> Annual Convention

Sept. 30–Oct. 2, 2018  
Shreveport, Louisiana

Hosted by the  
Shreveport Geological Society

**ENERGY!**



Ready for another round.

