

# ***BULLETIN***

HOUSTON GEOLOGICAL SOCIETY



## ***In this issue:***

### **MEET THE CANDIDATES**

HGS Executive Board Election  
begins April 10th

**GRAND CANYON  
FIELD TRIP - 1  
SPOT LEFT  
HURRY!**

### **GEOGULF23 HOUSTON**

April 23 -25, 2023





## Board of Directors 2022-2023

President (P)	Walter Light, Jr.	Thunder Exploration	713-823-8288	wthunderx@aol.com
President-Elect (PE)	Paul Britt	Texplore Inc.	832-372-5725	pbritt@texplore.com
Vice President (VP)	Scott Sechrist	Acoustic Geoscience Consulting	281-638-1213	penntexas53@yahoo.com
Secretary (S)	Amanda Johnston	Hess	832-331-5876	johnstonama@gmail.com
Treasurer (T)	Bruce Blake	Tri-Star Petroleum	713-459-7508	bruce.blake@tri-stargroup.com
Treasurer-Elect (TE)	Fang Lin	Chevron	281-253-0430	fanglinv@yahoo.com
Editor (E)	Ken Thies	Toxodon Exploration	713-598-0526	kenthies.kt@gmail.com
Editor-Elect (EE)	Caroline Wachtman	Oxy	281-825-9627	carolinewachtman@gmail.com
Director 21-23 (D1)	Lanette Marcha	Chevron	832-808-0263	lmarcha@hotmail.com
Director 22-24 (D2)	Bill DeMis	Rochelle Court, LLC	713-402-8627	billdemis@aol.com
Director 22-24 (D3)	Troy Meinen	ERM - Southwest Inc.	713-962-5495	troymeinen@gmail.com
Director 21-23 (D4)	Dianna Phu	INTECSEA	281-236-3131	dianna@exabyte.com

Committee	Chairperson	Phone	Email	Board Rep.
AAPG House of Delegates	Kenneth Mohn	713-485-9696	kwmohn123@gmail.com	P
Academic Liaison	Paul Mann	713-743-3646	pmann@uh.edu	D2
Advertising	Bryan Guzman	832-503-4645	bryanguzman85@gmail.com	E
Africa Conference	Caroline Wachtman	281-825-9627	carolinewachtman@gmail.com	PE
Applied Geoscience Conference	Jason Simmons	832-573-2687	jason.simmons@bhge.com	P
Geomechanics	Umesh Prasad	713-879-2529	umesh.prasad@bhge.com	P
Arrangements	Scott Sechrist	281-638-1213	penntexas53@yahoo.com	VP
Awards	Mike Nieto	281-783-6130	michael.nieto@pofg.com	P
Ballot / Elections	John Jordan	713-594-5648	john.jordan.062255@gmail.com	S
Calvert Fund	Jeff Lund	713-253-7481	jeff.lund@corridoroilandgas.com	PE
Continuing Education	Thom Tucker	281-413-0833	century@flash.net	D4
	Cheryl Desforjes	713-816-9202	cheryldesforjes@hotmail.com	D4
Communications Committee	Dianna Phu	281-236-3131	hgs.socialmedia@gmail.com	PE
	Rosemary Laidacker	713-805-9672	rmlgeo@gmail.com	PE
Earth Science Week	Lynn Travis		lynnstravis@gmail.com	D2
Educational Outreach	VACANT			D2
Employment / Expo Committee	Amanda Johnston	832-331-5876	johnstonama@gmail.com	D3
Environmental & Eng, Geology	Matthew Cowan	713-777-0534	mrcowan1@hal-pc.org	VP
	Troy Meinen	713-962-5495	troy.meinen@erm.com	VP
Exhibits	VACANT			D3
Field Trips	Constantin Platon	832-686-3231	constantin@oakgeosciences.com	D4
Finance	Bruce Blake	713-459-7508	bruce.blake@tri-stargroup.com	T
	Walter Light, Jr.	713-823-8288	wthunderx@aol.com	T
	Patty Walker	832-444-0900	pattywalker1@icloud.com	T
	Paul Britt	832-372-5725	pbritt@texplore.com	T
	Mike Erpenbeck	832-418-0221	mike.erpenbeck@hotmail.com	T
	Fang Lin	281-253-0430	fanglin@chevron.com	T
Foundation Fund	Joe Lynch	346-333-9872	joelynchtx@gmail.com	PE
General Meetings	Scott Sechrist	281-638-1213	penntexas53@yahoo.com	VP
Golf Tournament	Jimmy Bagley	832-564-6028	jbagley@continentalabs.com	D1
	Kenny Baucum	713-882-6010	kenneth.baucum@stratagraph.com	D1
Government Affairs	Henry Wise	281-242-7190	hmwise@yahoo.com	D4
				D4
Guest Night	VACANT			D1
HGS New Publications	William Rizer	503-852-3062	rizerwd@gmail.com	EE
International Explorationists	Steve Getz	713-304-8503	sgetz@outlook.com	VP
Latin American Conference	Ceri Davies	281-777-0683	ceri.davies@cgg.com	P
Membership Growth	VACANT			S
Membership, New	Sharma Dronamraju	713-503-5011	parsonal.sharma@gmail.com	S
Museum of Natural Science	Inda Immega	713-661-3494	immega@swbell.net	D2
	Janet Combes	281-463-1564	jmcombes@msn.com	D2
NeoGeos	Bryan Bottoms	405-623-4533	geobottoms@gmail.com	D3
Nominations	Mike Erpenbeck	832-418-0221	mike.erpenbeck@hotmail.com	P
North American Explorationists	Mark Hamzat	832-540-3216	mark@prosperoop.com	VP
	John Bishop	713-819-0891	johnwbishop@outlook.com	VP
Office Management	Walter Light, Jr.	713-823-8288	wthunderx@aol.com	P
Scholarship Night	Fang Lin	281-253-0430	fanglin@chevron.com	P
Outcrop Family Campout	VACANT			D1
Science & Engineering Fair	Dorene West	281-413-7172	dbwesthou@earthlink.net	D2
Shrimp Peel & Crawfish Boil	Michael Salazar	713-410-4391	msalazar@coregeologic.com	D1
Clay Shoot	Howard Wood	832-277-0141	hw@coregeologic.com	D1
Social Media	Dianna Phu	281-236-3131	hgs.socialmedia@gmail.com	D4
	Lauren Robinson	317-402-6482	lseidman5.robinson@gmail.com	D4
Tennis Tournament	Constantin Platon	832-686-3231	constantin@oakgeosciences.com	D1
Vendor's Corner	HGS Office	713-463-9476	office@hgs.org	TE
Video Committee	Linda Sternbach	832-567-7337	linda.sternbach@gmail.com	D3
Web Management	VACANT			D4
HGS Executive Office Director	Andrea Peoples	713-463-9476	andrea@hgs.org	
HGS Web Content Manager	VACANT			

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# Volunteer Opportunities

## Interested in Volunteering?

The HGS is always looking for energetic members to become volunteers for the society! As the largest local geological society in the country, we depend on the support of our members to help us organize and execute our many activities. Committees such as Educational Outreach, Continuing Education, and our annual social event committees are always looking for extra helping hands. Contact the HGS Office at [office@hgs.org](mailto:office@hgs.org) to start volunteering today!

### I.T. Specialist Needed

Do you specialize in I.T.? Would you be willing to donate your services to the Houston Geological Society? HGS is in need of an I.T. specialist who has experience with website building/coding and other computer technologies. If you or someone you know would be interested, please contact the HGS Office at [office@hgs.org](mailto:office@hgs.org).

### Dinner Meeting Liaison

HGS is in search of volunteers to assist with our monthly dinner meetings. Volunteer responsibilities would include pickup/return of meeting materials to/from the HGS office, and managing the registration table at the meeting. Please contact the HGS Office at [office@hgs.org](mailto:office@hgs.org) if you are interested.

### Exhibits Chairman

HGS is proud to participate in a number of exhibits each year such as NAPE, GCAGS, etc. We are in search of volunteers to help us at these events! Responsibilities include transportation of the HGS booth to and from conferences, manning the booth at these events, and signing up new or returning memberships. If you or someone you know is interested in lending a helping hand, please contact the HGS Office at [office@hgs.org](mailto:office@hgs.org).

### Educational Outreach Committee Chairman

The Educational Outreach Committee provides geoscience learning resources to students, educators, and the general public of southeast

Texas. Outreach activities include geoscientist visits to classrooms, scout troops, and other public assemblages, with presentations and hands-on activities about geology and careers in geoscience.

Interested? Please contact the HGS Office at [office@hgs.org](mailto:office@hgs.org) for more information.

### Membership Committee

Houston Geological Society is 100 this year! Yes, HGS started in 1923. Just imagine how the organization thrived and has grown all these years. Purely by the volunteering efforts of Geoscientists. The Membership Committee is responsible for promotion of memberships and contribute to the growth of HGS! The Membership Committee needs two (2) student members to help process membership applications. Please contact: Sharma Dronamraju; Chair, Memberships at [Sharma@akdpsi.com](mailto:Sharma@akdpsi.com). The information on HGS membership criteria is [HERE](#).



Join us for the HGS Annual



# SHRIMP PEEL & CRAWFISH BOIL

Friday, April 21, 2023  
12:00pm - 6:00pm

BEAR CREEK PIONEERS PARK, PAVILION 6  
3535 War Memorial St. Houston, TX 77084



FEATURING BOILED SHRIMP &  
CAJUN CRAWFISH FROM 3-TIME  
CRAWFISH BOIL CHAMPIONS  
"KAJUN THUNDA"

Join us in celebrating the 100th  
anniversary of HGS! Sponsorship  
opportunities available. Contact the HGS  
Office at [office@hgs.org](mailto:office@hgs.org) to learn more.

HGS MEMBERS \$40 NON-MEMBERS \$50 WALK UPS \$55  
REGISTER ONLINE AT [HGS.ORG](https://www.hgs.org)





Greetings fellow geoscientists and HGS Members! We continue to build membership, improve attendance/participation in events, and we are making good progress toward financial sustainability. In addition, voting for the 2023-2024 HGS Officers opens April 10 and runs through May 10.

In addition, voting for the 2023-2024 HGS Officers opens April 10 and runs through May 10.

The Nominations Committee has thoughtfully presented us with a fine slate of candidates.

Please read the bios in this Bulletin and cast your ballot for next year's board.

## Membership

In-person events that span a range of subjects continue to contribute to membership renewals and new members. The board approved 36 new members in March, bringing our paid membership to 1758.

Please continue to help boost our membership by encouraging your work colleagues and service company contacts to become members. Logical service company sponsors include mudloggers, wireline companies, directional companies, log analysts, and rock labs.

Even if folks are not geologists, they can become HGS Associate Members.

**Multiple March Events** A quick lookback at attendance of the March events.

- **March 6** International Meeting 53 registered
- **March 8** Ethics Presentation. 33 attended
- **March 10** Continuing Education Virtual Event. 37 attended
- **March 23** NeoGeos Geo Trivia event. 12 attended
- **March 25** HGS Volunteer Day at YMCA Camp Cullen. 7 attended

**Rebuilding Community --- In-Person Events Scheduled for April, May and June**

**April 10 - Dinner Meeting Norris Center 5:30 to 9:00 pm**  
**Geophysical Insights Technical Presentation by Deborah Sacrey.**

For registration and details see the HGS Bulletin or HGS Weekly Announcements.

**April 12 - Engineering & Environmental Group - Craft Republic 5:30 to 9:00pm**

**"Engineering & Environmental Geophysics: How to Successfully Add Value to your Project "Presented by Rusty Branch.**

For registration and details see the HGS Bulletin or HGS Weekly Announcements.

**April 21 HGS Shrimp Peel and Crawfish Boil. Bear Creek Pioneer's Park 12pm to 6pm**

This is one of our annual premier social events. Reserve your tickets and consider sponsoring this fun event. For details see the HGS Bulletin or HGS Weekly Announcements

**April 23 to 25 - GeoGulf 2023 (formerly GCAGS).** The GeoGulf Committee have planned a fantastic program with Short Courses on Saturday April 22 and Sunday April 23, 100 technical talks on Monday and Tuesday, April 24 and 25. Post-Convention Field Trips start on Wednesday April 26.

Thank you, Charles and Linda Sternbach, for your leadership of this event!

Please register and attend this multi-day event.

**May 22 - Full-Day Core Workshop taught by Bob Lindsey. Corelab, 6316 Windfern 8:00am to 5:00pm**

For registration and details see the HGS Bulletin or the HGS Weekly Announcements

**June 1-8 - Grand Canyon Raft Trip. There may still be one spot open.**

## **Financial Sustainability**

The world is looking brighter in achieving this goal for the year! If the planned remaining of the events are well attended, we should meet our goal of financial stability by the fiscal year end. Going forward It will be important to incorporate the complete cost of events into the pricing of those events. Paul Britt the current President-Elect has done a great job in creating a framework to understand and incorporate many of the expenses associated with events that have not been considered in the past. Thank you Paul!

***Achievement of our financial sustainability goal requires membership support and member participation in the society-sponsored events as well as active solicitation of sponsors.***

***Please encourage your service company contacts to become an HGS sponsor. Also if you are a consulting geologist or have a your own generating entity, you could consider advertising in the bulletin or sponsoring an event to assist in securing work or drilling partners.***

The Board of HGS officers and I thank you for your support of the Houston Geological Society with your membership and your participation in the scheduled events. We also thank all the committee chairs and volunteers who help us carry out our mission. We encourage you to join us and get reconnected to your local geological community.

Keep up the great work!

Walter S. Light, Jr. - President



# Advertise with HGS

The Houston Geological Society has many advertising opportunities to help you promote your business. The money raised through advertising helps the HGS to be able to support continuing education, networking, outreach to students, student scholarships, and young professional activities. Check out some of our advertising opportunities below!



## Vendor Corner

Promote your business with a booth at an in-person luncheon or dinner meeting. HGS will also post your logo, website/social link(s) and a brief company summary on the HGS website below the technical meeting's announcement and abstract.



## HGS Bulletin

Published 10 months out of the year and available digitally on the HGS website, the HGS Bulletin is an outstanding technical journal sent electronically to all current members and to subscribing libraries around the world.



## Virtual HGS Event Sponsorship

Promote your business at a virtual meeting. Along with the opportunity to reach a global audience, HGS will promote your business on the event page, on our social media, and at the technical talk.



## GeoJobs

The HGS GeoJobs section provides a variety of employment information to interested HGS members and the geological and geophysical community at large. If your business has an employment opportunity, let us help you fill the position!



## HGS Weekly Newsletter

The HGS Weekly Newsletter is published digitally every week, and reaches a global community of 8,000+ people. HGS will promote your business with an ad of your design or your logo and a link to your website or social media.

*To learn more about advertising rates and how you can promote your business with us, visit our website or contact the HGS Office at 713-463-9476 or [office@hgs.org](mailto:office@hgs.org).*





Best wishes to Alyssa Cushing who has accepted a new position and has left the HGS. As Web Content Manager she has been a great help to me in organizing and publishing the Bulletin every month. She made my job very much easier.

I want to publicize my thanks to her for all the work she did during my tenure as Editor.

--

Ken Thies



*Photo provided by Ken Thies. Taken on a field trip to Africa in a private safari park.*





**HGS Invites You To  
Join Us On This  
Memorable Trip!**

The 2023 trip will be leaving from Las Vegas, Nevada on June 1st and returning to Las Vegas on June 8th. There are limited spots available, so be sure to reserve your spot before the trip fills up!

HGS

## **GRAND CANYON FIELD TRIP**

### **ONE SPOT LEFT!**

This is a full canyon raft trip with 7 nights on the river, plus the first night in Marble Canyon. Cost is \$4650 per person and includes bus transportation from Las Vegas to Marble Canyon through Zion National Park, double occupancy room at Cliff Dwellers Lodge, 8-days/7-nights on the river including a sleep kit and all meals on the river, drinks on the river, and transportation back to either Las Vegas or Marble Canyon.



**COME ROCK WITH US  
AT HGS**

#### **TRIP LEADERS**

Ross Harrison  
[ross.harrison@tcu.edu](mailto:ross.harrison@tcu.edu)  
Mattie Reid  
[mmreid4@gmail.com](mailto:mmreid4@gmail.com)

#### **REGISTRATION DEADLINE**

October 28, 2022  
Deposit of \$1,000 per person  
due at registration

#### **FINAL BALANCE DUE**

MUST be made by  
February 1, 2023  
\*\$200/person fee for guest  
substitutions after Oct. 28\*

**1 - 8 JUNE 2023**  
**DEPART FROM LAS VEGAS, NEVADA**

#### **Contact:**

[office@hgs.org](mailto:office@hgs.org) | 713-463-9476

#### **Register & More Information:**

[www.hgs.org](http://www.hgs.org)

# HGS GENERAL DINNER MEETING



MONDAY, APRIL 10, 2023 | 5:30 - 9:00PM  
NORRIS CONFERENCE CENTER, CITYCENTRE  
816 TOWN AND COUNTRY BLVD #210 HOUSTON, TX 77024  
HGS MEMBERS \$65 NON-MEMBERS \$75 STUDENTS \$25 WALKUPS \$75  
[HTTPS://WWW.HGS.ORG/CIVICISM/EVENT/INFO?ID=2449](https://www.hgs.org/civicism/event/info?id=2449)  
EVENT CONTACT: SCOTT SECHRIST | PENNTEXAS53@YAHOO.COM

## *Paradise Machine Learning Technology – Understanding the Sub-surface in Detail*

Multi-attribute machine learning using SOM (which is an unsupervised learning process) can be shown to reveal details in the data not previously identified and which can be interpreted to be lithologic in nature. The detail comes with the statistical analysis of the data based on information on each sample on each trace in the data. The result of this sample-based statistical analysis is that one can interpret thin-bed resolution well below conventional wavelet tuning. This in turn, helps with highly accurate reservoir prediction when one ties the information to existing production or in the estimation of new reserves in exploration plays.

The key to the presentation is showing examples of problems in the every-day interpretation of data which can be solved by the neural analysis (Classification) of multiple seismic attributes. These problems could be reservoir delineation, exploration and exploitation for new reserves, interpretation of complicated stratigraphic sequences, or basic interpretation when the data is less than optimal. Additionally, new deep learning algorithms allow the interpretation of faults in the data without having to manually pick fault segments. This saves an immense amount of time for the interpreter. The fault attribute volume can then be combined with other attributes in the SOM process. The result allows the interpreter to see the faulting and the stratigraphy at the same time.

This presentation will highlight the use of SOM in thin bed environments, finding carbonate porosity as well as examples showing the result of SOM coupled with the fault attribute to capture compartmentalization of reservoirs.

### *Biographical Sketches*



Deborah King Sacrey is a geologist/geophysicist with 46 years of oil and gas exploration experience in Texas, Louisiana Gulf Coast and Mid-Continent areas of the US, and internationally she has worked in Australia, Tunisia, Gulf of Thailand,

Turkey, Germany and Columbia.. 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 2D and 3D interpretation for clients in the US and internationally. For the past 14 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 many 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 also Past President of the Gulf Coast Association of Geological Societies and has been on the Advisory Council of AAPG twice.. 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).



# Volunteer with HGS



## Annual Events

Every year the HGS has annual social events, and we need volunteers to help us organize and set up on the day of!

These include events such as:

- Golf Tournament
- Shrimp Peel & Crawfish Boil
- Skeet Shoot
- Tennis Tournament
- Field Trips



## Committees

HGS committees such as Educational Outreach and Continuing Education provide geoscience learning resources to students and the local geoscience community. These groups are always looking for volunteers! If you or someone you know is interested in lending a hand, please contact the HGS Office!

## Interested in Volunteering?

The HGS is always looking for energetic members to become volunteers for the society! As the largest local geological society in the country, we depend on the support of our members to help us organize and execute our many activities. Committees such as Educational Outreach, Continuing Education, and our annual social event committees are always looking for extra helping hands! Contact the HGS Office at [office@hgs.org](mailto:office@hgs.org) to learn more!



# HGS ENVIRONMENTAL & ENGINEERING MEETING

WEDNESDAY, APRIL 12, 2023 | 5:30 - 9:00PM

CRAFT REPUBLIC HOUSTON

11470 WESTHEIMER RD, HOUSTON TX 77077

HGS MEMBERS \$35 NON-MEMBERS \$40 STUDENTS \$15 WALKUPS \$40

[HTTPS://WWW.HGS.ORG/CIVICRM/EVENT/INFO?ID=2416](https://www.hgs.org/civicrm/event/info?id=2416)

EVENT CONTACT: MATTHEW COWAN | MRCOWAN1@HAL-PC.ORG



## *Engineering and Environmental Geophysics: How to Successfully Add Value to Your Project*

Applied geophysics can add value to the subsurface characterization process by increasing the subsurface "sample size" and filling in the gaps between the borings. Geophysical imaging techniques also allow scientists and engineers to obtain data in areas where it may not be feasible to install borings.

Geoscientists and engineers are often challenged when tasked with developing a useful model of subsurface conditions at a project site. In fact, relying on limited data from a few borings is analogous to looking at the world through a keyhole. This can lead to design issues that may result in significant cost overruns during construction and/or site remediation and even failure of completed structures.

During this presentation we will review case studies where geophysical methods were applied to resolve issues for engineering projects where boring data alone were insufficient to develop a viable subsurface model for project design and/or construction.

### **Biographical Sketches**



Rusty is a multi-disciplinary geoscientist and has been a member of the Gehrig, Inc. team since 2016. He has 15+ years of experience in the field of near-surface, applied geophysics, including UAV-based studies. He has served on many local, state, and national boards and committees of professional organizations and non-profits.

Some of the positions include Chair for the Texas Section of the ASCE Geo-Institute, Chair of the Texas Chapter of the Association of Environmental and Engineering Geologists, and a leadership training instructor on the national level for the Boy Scouts of America. Rusty is currently a national board member and Region 6 Director for the Association of Environmental Geologists. He has authored and co-authored peer-reviewed publications in the fields of geology, vertebrate paleontology, and botany. His three decades of professional and academic experience covers geoscience, bioscience, computer information systems, and GIS. Rusty is licensed to practice geoscience in Texas, Arkansas, and Missouri.

#### Education

B.S. Earth Science from Tarleton State University

M.S. Biology (Vertebrate Paleontology) from Baylor University

M.B.A from University of Texas at Arlington



Needing more luck with your sales efforts? Promote your business as a Vendor Corner at an HGS meeting!

Make direct contact with interested geoscience buyers without being lost in an ocean of exhibitors. The money that is raised through Vendor Corner helps the HGS support continuing education, networking, outreach to students, student scholarships, and young professional activities. [Click here to read more!](#)



## SPECIAL PROGRAMS

# GEOGULF23

H O U S T O N

*Be There!*

**APRIL 23-25, 2023**  
NORRIS CONFERENCE CENTER

**United, We Explore the Gulf Coast, Beyond!**  
Opportunity for Continuing Education Credit



**Mark Rowan**

### Short Courses

**Salt Tectonics of the  
Gulf of Mexico**

**Dr. Mark Rowan**

**Saturday, April 22**

**And Sunday, April 23**



**John Snedden**

**Gulf of Mexico  
Sedimentary Basin:  
Depositional Evolution  
and Petroleum  
Applications**

**Dr. John W. Snedden**

**Saturday, April 22**



**Jim Pindell**

**Structural, Tectonic,  
and Paleogeography  
of the GOM, Caribbean,  
and N South America**  
**Dr. Jim Pindell**

**Sunday, April 23**

### Register now for GeoGulf23

<https://pheedloop.com/Geogulf23/site/home/>

First - Register for the Conference, then  
Go to Add-ons tab on Registration Site  
Select Your Choice of Course Programs

Info: [www.geogulf2023.org](http://www.geogulf2023.org) short courses

## Luncheons

### Don't Miss the All- Convention Luncheon

**Monday, April 24, at the  
Norris Center**

Dr. Harrison "Jack" Schmitt,  
Apollo 17 moonwalker, passes  
the rock hammer to fellow  
geologist Dr. Jessica Watkins,  
NASA Artemis Astronaut.



### **Networking Social "United We Celebrate!"**

Moran Hotel, Monday,  
April 24, 6:00-8:00 PM  
Fireside Bar, outside patio,  
Texas stars! Meet Successful  
Entrepreneurs, Independents  
& Young Professionals (co-  
hosted with SIPES Houston.)

### **Technology Tuesday Luncheons, April 25**

Jeff Nealon, Chevron  
Geophysical Manager  
"Refocusing On The Gulf:  
How New Seismic Methods  
Drive New Investments."

### **GCS SEPM Luncheon**

Daniel Minisini,  
Minigeology Videographer  
"Wise Words from  
Celebrated Geologists.  
Should We Listen to Them?"





## AAPG Gulf Coast Section Conference Houston, Texas Register NOW

<https://Pheedloop.com/Geogulf23/site/home/>

Info at [www.geogulf2023.org](http://www.geogulf2023.org)



Welcome to an Immersive Gulf Coast Geoscience Conference!

Theme: "United We Explore the Gulf Coast and Beyond" Charles A. Sternbach, General Chair

- 100 Technical Talks on the Gulf of Mexico
- Three Concurrent Sessions, two full days
- 50 Professional/Student Posters, Exhibits
- Three short courses, four field trips
- Exhibitions, Book Signings, Icebreaker
- Receptions, Networking, Social Events
- HGS Host Society 100th Anniversary
- Sponsorship Opportunities
- Opportunity for Continuing Education Credit

**Don't Miss the All-Convention Luncheon**  
Monday, April 24, at the Norris Center  
Harrison "Jack" Schmitt, Apollo 17 moonwalker, passes the rock hammer to Jessica Watkins, NASA Space Station Astronaut, in person.



### Technology Tuesday Luncheons, April 25

- Jeff Nealon, Chevron Geophysical Manager "Refocusing On The Gulf: How New Seismic Methods Drive New Investments"
- GCS SEPM Luncheon Daniel Minisini, Minigology YouTube Videographer "Wise Words from Celebrated Geologists. Should We Listen to Them?"

### Networking Social Event "United We Celebrate!"

Moran Hotel, Monday, April 24, 5:30-8:00 PM  
Fireside Bar, outside patio, Texas stars!  
Co-Hosted with SIPES Houston Chapter.  
Meet Successful Entrepreneurs, Independents, Young Professionals

## Education Courses with Globally Renowned Experts

### Short Courses!

**Salt Tectonics of the Gulf of Mexico**  
Instructor: Mark Rowan, Two Day Class  
Saturday and Sunday, April 22-23, 2023

**Gulf of Mexico Sedimentary Basin: Depositional Evolution and Petroleum Applications**  
Instructor: Dr. John W. Snedden  
All Day Saturday, April 22, 2023

**Structural, Tectonic, Paleogeographic Evolution of the GOM, Caribbean, and North S. America**  
Instructor: Dr. Jim Pindell, Tectonic Analysis, Rice U.  
All day Sunday, April 23, 2023

Convention Registration is Required to Sign Up for Short Courses- Signup on the Pheedloop site.  
Field Trips: Signup at [www.geogulf23.org](http://www.geogulf23.org)

### Field Trips!

**NASA Space Center Houston with Apollo 17 Moonwalker Harrison "Jack" Schmitt and James F. Reilly, Jr., NASA retired ISS astronaut**  
All Day: Saturday, April 22, 2023

**Historic Spindletop Museum in Beaumont, TX: Guided Tour of Museum and Geology**  
All Day: Wednesday, April 26, 2023  
Field Trip Leader: Rosemary Laidacker

**Texas Coastal Processes Brazos River Delta to Galveston Island**  
All Day Wednesday, April 26, 2023  
Field Trip Leader: Erik Scott, Rice

**Texas Hill Country: Greatest Hits of TX Early Paleozoic Rocks and Structure**  
Three Days: Thursday, April 27 to Sunday, April 30.  
Field Trip Leaders: Andy Roark and Sean Romito

## Technical Program (in-person)

### Monday Morning, April 24

**Opening Keynote: Conventional GOM Giant Oil and Gas Fields, Lessons to Find More**  
Sternbach, Charles and Dick Bishop:

**Advantaged Basins: Economic and Future Driven**  
Session Chair: Robert Fryklund, S&P Global  
• Fryklund, Bob, S&P Global: Advantaged Basins: Robust Oil and Gas Fields and CCUS Management  
• Panel Presentations with Industry Experts in Oil and Gas and CCUS

**GOM Tectonics I: Regional Setting of the Gulf of Mexico and Guyana South America**

Session Chair: James Pindell et al  
• Horn, Brian: Exploration Perspective of the GOM  
• Ott, Bryan: Guyana Basin -Erich, Robert: Timing of Igneous Activity During Triassic-Jurassic Rifting  
• Afifi, Ahmed: Mesozoic Rifting, Sureste Basin, GOM

**Geoscience Advances in CCUS, Energy Storage, Wind Energy**

Session chair: Allen Bertagne  
• Rogers, Harold: Salt Cavern Storage GOM -  
• Bertagne, Allen: Subsurface CO2 Storage N. GOM  
• Holmes, Gordon: Time Lapse Seismic for CCS Reservoir Monitoring  
• Bain, Graham: CO2 Storage Potential in Louisiana  
• Hill, Andy W: Offshore Wind: Geosciences Role

**Jurassic Smackover Reservoirs, Norphlet Sands**  
Session Chair: Ted Goto

- The Smackover- Norphlet Petroleum System: Comparisons of US Gulf Coast and Deepwater with Mexico's Sureste Basin
- Walkinshaw, Steven: Low-Resistivity Oil, Gas and Carbon Dioxide In The MAFLA Region GOM
- Erlich, Robert: Norphlet Formation and the Louann Salt in Southwest Texas: Regional Implications for the GOM

**GOM Tectonics 2: Dynamic Rift and Salt Deposition Models GOM and Mexico**

Session Chair: James Pindell et al  
• Pindell, James; Heyn, Teunis: Reconstructing Syn-Rift, Sag, and Salt Paleogeography, and the Role of Syn-Rift Dynamic Elevation and Dissipation, Gulf of Mexico-How Deep Was the Pre-Salt Depositional Depression in the Gulf of Mexico, and What Are the Implications  
• Pindell, James: Late Cretaceous-Cenozoic Evolution of the North America-Caribbean Plate Boundary

**Geoscientists Will Be Exploring the Moon and Mars in the Next Decade**

Session Chair: Bill Ambrose et al  
• Ambrose, Bill: Water-Ice Resources on the Moon  
• Reilly, Jr, James F.; The Martian Field Geologist  
• Cook, Doug; The Search for Life on Mars  
• Wyatt, Doug, NASA, Exploring for Lunar Volatiles

### Monday Afternoon April 24

#### Eagle Ford: Texas' Biggest Shale Asset- Mature and Moving Forward

Session Chair: Marianne Rauch  
• DeMits, Bill: How the Austin Chalk Play of Grimes County, Texas Initiated the Eagle Ford Shale Play  
• Donovan, Art: Unraveling "Eaglebone" Secrets  
• Donohue, Catherine: Eagle Ford: Additional Oil Opportunity in East Texas  
• Savvalidis, Alexandros: Seismicity Site Characterization for Geo-Energy Related Projects

#### Late Cretaceous-Paleogene Hinterland Tectonics and Clastic Deposition Trends

Session Chair: James Pindell, et al  
• Heyn, Teunis :Dynamic Topographic Events o GOM  
• Cossey, Stephen: The Paleogene Water-level Drawdown Hypothesis, Gulf Of Mexico  
• Gray, Gary: Geodynamics Mexican Orogen And Foreland Basin System Nuevo Leon Mexico

#### The Continuing Austin Chalk Resurgence

Session Chair: Tom Bowman  
• Von Bassenheim, Daniela: Webb County "Chalkstars": Activity Trends  
• Bowman, Tom-The Austin Chalk Resurgence  
• Stoneburner, Dick- Confessions from the Austin Chalk  
• Griffith, Christine: Regional Sequence Stratigraphy, Biostratigraphy Austin Chalk In South, Central Texas

#### The Haynesville Shale: LNG, Natural Gas Boomtime

Session Chair: Bill DeMits  
• Williams, Matt; Tellurian Inc.: Haynesville Shale Assets  
• Kilmager, Sean: The Haynesville: An Activity Update  
• Hammes, Ursula: Comparison of Texas Shale Plays - Eagle Ford/Tuscaloosa, Haynesville/Bossier  
• DeMits, Bill: The Coming Commodity Super Cycle

#### Exploring the Mexico Sureste Basin and Beyond

Session Chair: James Pindell et al.  
• Heyn, Teunis: Tectonic Significance of the Middle Miocene Unconformity- Campeche Salt Gulf of Mexico  
• Snedden, John: Zama Field, Mexico Deepwater: Upper Miocene Slope to Basin Paleo-Transport  
• Lawton, Timothy: Sandstone Petrography and U-Pb Zircon Provenance, Sureste Basin, Mexico  
• Steffenson, Carl: Recent Drilling History and Play Types, Campeche Area, Southern Gulf of Mexico  
• Shann, Mark: A Deliberate Search for Disruptive Oil & Gas Discoveries, Clues Along the Way

#### Onshore Gulf Coast Exploration Analogs, Lessons

Session Chair: Steve Getz and Bob Wiener  
• Getz, Steven: Petroleum Plays Associated with Shelf Margin Submarine Slides-Niger Delta Analog  
• Wiener, Bob: Petroleum Salt-Related Shelf Margin Slides: Upper Texas and S. Louisiana  
• Hardy, Rogers: The Quest from the Marsh Out onto the Shelf and Beyond: Offshore Exploration Journey  
• Rava, Barry: Subtle-Fault Prospects, Onshore Gulf Coast  
• Hughes, Simon: Real Time XRF Chemostratigraphy

#### Texas Rocks and Reservoirs

Session Chair: Kelly Hattori  
• Schneider, Robert: Channel Delineation in Lower Wilcox, SE Texas: Integrated Seismic and Well Logs  
• Hattori, Kelly: Reservoir Quality And Production Trends In The Carbonate Pettet Formation, Rusk County, E. T  
• Loucks, Robert: U. Cretaceous Del Rio-Buda, S. Texas  
• Flaig, Peter: Outcrops of the Upper Simsboro to Lower Calvert Bluff Formations, Wilcox Group  
• Cox, Katrina: Petrophysical Low Resistivity Sands

### Tuesday Morning April 25 (continued)

#### Petroleum Systems 2: Discovery Thinking

Session Chair: Andrew Pepper  
• Pascoe, Rob: Middle And Lower Miocene Middle Slope Systems Of The Outer West Louisiana Shelf: An Unexplored Play Between Historical Paradigms  
• Shann, Mark: Key Differences in Petroleum Systems Across the Greater GOM, Potential for Two New Unexplored Oil Provinces  
• Hasan, Md Nahidul: Estimates of Thermal Stress and Expelled Petroleum from Mesozoic-Cenozoic Potential Source Rocks, Southern Gulf of Mexico  
• Cedeno, Andres: Petroleum Systems Of The Carbonate Platform Areas Of The Southern GOM: South Florida, The Greater Peten Basin Of Guatemala-Belize, And The Yucatán And Chiapas Areas Of Mexico

#### Deepwater Business Panel: Re-Shaping Energy Strategies, the Next 50 Years

Session Chair: Mark Leonard,  
• Sears, Richard: The Economics of Deepwater: Myths and Realities Through the Decades;  
• Chisholm, Tim: Deepwater Independent's View-  
• Yeilding, Cindy: 100 More Years of Deepwater

#### Deepwater Symposium 1: Understanding Deepwater Sediments and Patterns

Session Chair: Jon Rotztein, et al  
• Downard, Ali: Quantitative Evaluation of Deepwater Fan Hierarchy: Insights from Full Physics-Based Forward Stratigraphic Models  
• Fedele, Juan: Gravity Flow Bedforms and Associated Sedimentary Structures  
• Gan, Yuqian: Shelf to Slope to Basin Floor Clinoform Outcrop Exposed at La Jardinera, Jurassic Neuquén Basin, Argentina  
• Hester, Lara: Quantitative Models to Predict Fluid Properties (GOR) Mud Gas Compositional Data

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Session Chair: Bob Loucks and Robert Reed  
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• Loucks, Robert: Volcanic Origin of Grains in the Upper Cretaceous Austin Chalk  
• Cherepon, Alan: Recent Rock Discoveries at Pilot Knob, Austin,  
• Maende, Albert: Identification Of Productive And Bypassed Pay Oil Zones In The Smackover Fm

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#### Innovation in GOM Salt Tectonics

Session Chair: David Lankford-Bravo et al  
• Rowan, Mark: The Triggers And Evolution of Mesozoic Salt-Related Deformation In The GOM  
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• Joshi, Nikhil: Gulf Coast CO2 Storage - a Techno-Commercial Perspective  
• Verma, Sumit: Seismic Attributes for Deep Water Depositional Systems

#### Entrepreneurship: Transitions and Strategies

Session Chair: Bill Fairhurst  
• Light, Walter: From Inception to Self-Sustaining E&P Company in Forty-Two Years  
• Rava, Barry: The Business Cycle And Prospecting  
• Fairhurst, Bill: Entrepreneurship: Transitions & Strategies  
• Pommer, Laura: Disrupting The Oil And Gas Investment Paradigm  
• Stoneburner, Dick- My Twenty Years Working With Private Equity



Celebrating AAPG and GCAGS's Past, Present, and Future Explorers!



Houston Geological Society + GCAGS + GCSSEPM



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- Andy Pepper, Fresh Ideas for Exploration, Development, and Production
- Pindell, James: Rotation Poles And Spreading Isochrons For Gulf Of Mexico Opening
- Bugti, Nawaz Md: Gulf of Mexico Oxfordian Source Rock UEP Basin Center Oceanic Crust Age
- Laigle, Jean-Marie: Interactive Prospect Volume Assessment in the Gulf Coast

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**Continuing  
Education  
Opportunities  
April 22-April 30**

## **Short Courses at the Norris City Center**

Short Courses Registration is on Pheedloop, combined with Conference Registration  
<https://pheedloop.com/Geogulf23/site/home/>

### **SC-1: Salt Tectonics with Dr. Mark Rowan**

Saturday and Sunday April 22-23- all day  
Student discount prices. Read the agenda at [www.geogulf2023.org](http://www.geogulf2023.org), short courses  
\$425 Professional, student \$250 discount price

### **SC-2: Gulf of Mexico Deposition with Dr John Snedden**

Saturday April 22, all day \$195 Professional, student \$99 discount price

### **SC-3: GOM, Mexico, S. America Tectonics - Dr. Jim Pindell**

Sunday April 23 all day. \$195 Professional, student \$99 discount price

## **GeoGulf/ GCAGS Field Trips**

Field Trip Registration is at [www.geogulf2023.org](http://www.geogulf2023.org) under Field Trips Tab

### **FT-1: NASA Space Center Tour with Jack Schmitt (Apollo 17) and James Reilly (ISS) in-person.**

Saturday April 22- all day. \$199  
Tour Space Center, Mission Control, Rocket Park, Shuttle, VIP Tour

### **FT-2: Spindletop Museum Tour**

Wednesday, April 26 - all day. \$125  
See the historic Spindletop well and Museum, near Beaumont TX

### **FT-3: Brazos River and Galveston**

Wednesday April 26 , all day \$175  
Recent sediments and depositional patterns barrier islands

### **FT-4: Greatest Hits of the Paleozoic Hill Country**

Thursday April 27-April 30, 3 days \$650  
Enchanted Rock, Paleozoic sands, carbonates, structure, Pre-Cambrian rocks



The poster features a background image of a savanna landscape with acacia trees and a sunset sky. In the center, there is an orange square containing a white silhouette of the African continent with a single oil drop falling from its eastern coast. Below the square, the text 'AFRICA CONFERENCE' is written in white. Further down, the dates '20-21 SEPTEMBER 2023' and the location 'LONDON' are displayed. A large call to action 'Submit your abstract by 28 April' is followed by the URL 'https://africa.pesgb.org.uk/callforabstracts/' and the hashtag '#AFRICA2023'. At the bottom left is the 'PES GB' logo with a drop icon, and at the bottom right is the 'HOUSTON GEOLOGICAL SOCIETY' logo with a lighthouse and the year '1923'.

## Unlocking African Energy to Power the Future

2023 sees the PESGB/HGS Africa Conference return to London and more importantly return to in-person talks, posters and exhibitors! The conference will bring together the leading subsurface experts to present and share the latest technical updates emerging from Africa over the last couple of years. The conference is unashamedly technical in its nature, it always has been and will continue to be focused on the rocks of Africa!

Africa has the resources to power the world through the Energy Transition and also to drive its own development out of energy poverty but the key to unlocking this potential remains in the subsurface community. Come and share your thoughts, insights and consider submitting an abstract.

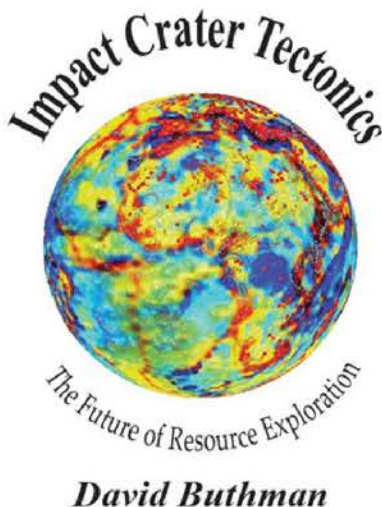
# April 2023

<i>Sunday</i>	<i>Monday</i>	<i>Tuesday</i>	<i>Wednesday</i>
2	3	4	5
9	<b>10 HGS Executive Board Voting Begins</b> <b>HGS General Meeting</b> "Paradise Machine Learning Technology - Understanding the Sub-surface in Detail" Page 10	<b>11 HGS Board Meeting</b> 6 p.m.	<b>12 HGS E&amp;E Meeting</b> Engineering and Environmental Geophysics: How to Successfully Add Value to Your Project Page 12
16	17	18	19
23	24	25	26
30			





Thursday	Friday	Saturday	
		1	<p><b>Reservations</b></p> <p>The HGS prefers that you make your reservations online through the HGS website at <a href="http://www.hgs.org">www.hgs.org</a>. If you have no internet access, you can email <a href="mailto:office@hgs.org">office@hgs.org</a> or call the office at 713-463-9476.</p> <p>Reservations for HGS meetings must be made or cancelled by the date shown on the HGS website calendar, which is normally 24 hours before hand or on the last business day before the event.</p> <p>If you make your reservation on the website or by email, an email confirmation will be sent to you. If you do not receive a confirmation, please contact the HGS Office at <a href="mailto:office@hgs.org">office@hgs.org</a>. Once the meals are ordered and name tags and lists are prepared, no more reservations can be added even if they are sent. No-shows will still be billed.</p>
6	7 <i>HGS Office Closed for Good Friday</i>	8	
13	14	15 <b>RESERVE YOUR SPOT ONLINE AT HGS.ORG</b>	
20	21 <i>HGS Shrimp Peel &amp; Crawfish Boil</i>	22	
27	28	29	



*Impact Crater Tectonics* provides a universal geologic framework for the prediction of mineral resources: oil, gas, gold, rare earth minerals--a plethora of treasures underfoot. Based on solid scientific, mathematic, and geologic principles, this work consecrates an imminent paradigm shift in the manner we interpret geologic structures. *Impact Crater Tectonics* will change your viewpoint of Earth forever.

Full-color, 297-page, 8.5" x 11" perfect-bound book, with over 200 photos, graphs, and illustrations. Available on Amazon, or signed copy from author at [DButhman@ImpactCraterStudies.org](mailto:DButhman@ImpactCraterStudies.org).

# Candidates for the 2023-2024 Executive Board

## Houston Geological Society Officer Election



**President-Elect:** Bryan Guzman, Penny Patterson

**Vice President:** Bruce Blake, Linda Sternbach

**Secretary:** Kenneth Mohn

**Treasurer-Elect:** Ceri Davies, Tuan Vo

**Editor-Elect:** Ted Godo, Ross Harrison

**Directors (2 positions):** Bryan Bottoms, Janet Combes, Sharma Dronamraju, Judy Schulenberg

### HGS Election Voting Instructions

HGS Members will be able to vote online via the HGS website. You must be logged into your account to cast your vote. Ballots will be online only - no mailed ballots! Please check the HGS website in the coming weeks for updates and announcements.

The voting period opens April 10, 2023 and continues to May 10, 2023.

### President-Elect (two candidates)



**Bryan Guzman**

Ever since I joined the HGS, I have enjoyed the benefits of education, networking, and friendship. Currently, I am working with the GCAGS as Treasurer. For about 7 years, I had spent much of my

time working on the exhibits committee organizing the set-up and transportation of the HGS booth for various conventions throughout the year. When I served as HGS Secretary, it afforded me the opportunity to learn more about the many functions of the HGS. I was also exposed to the duties as the HGS Treasurer-elect and Treasurer where I witnessed the society's dedication to the various efforts through the annual budget. I was then given the opportunity to serve as the HGS Vice President during the COVID19 pandemic where I was able to schedule all our monthly technical talks digitally for the first time. It has been a pleasure meeting many people along the way and I am thankful to the opportunities the HGS has provided me while serving as a Chairman, Secretary, Treasurer, and Vice President. It would be my great pleasure to serve in the capacity of HGS President Elect.

#### Education:

2008 BS Geology University of Texas at San Antonio

2018 MS Analytics Texas A&M University

#### Experience:

2008 – 2011 Geologist – Ingrain Inc.

2011 – 2013 Geoscientist – Ingrain Inc.

2014 – 2015 Product Champion – Drill Cutting Technologies – Ingrain Inc.

2015 – 2017 Geologic Advisor – Ingrain Inc.

2017 – 2018 Senior Technical Advisor – Halliburton

2018 – 2019 Senior Account Manager – TGS

2019 – Present Veilvox LLC – Founder

2020 – 2021 Senior Account Manager – Premier Corex

2021 – Present Director Global Business Development & Technology – Premier Corex

[Read More](#)



**Penny Patterson**

As the Houston Geological Society begins its 100th year as a professional society, it continues to be an integral organization in our geoscience community, which provides critical resources to our

members through HGS technical meetings and conferences, publications, networking social functions, and the HGS website. HGS is also a vibrant professional society that is evolving as our geoscience community is expanding in diverse areas such as improved technologies for renewable resources, carbon capture and sequestration, as well as our growing focus on environmental issues.

I am honored to be a nominee for the position of President-elect of the Houston Geological Society. If elected, I look forward to working with the HGS Board, our HGS members, and the greater Houston-area geoscience community to advance HGS's objectives of 1) stimulating interest and promoting advancement of geology, and 2) disseminating geological information through building geoscience community relationships and encouraging training in the science of geology. I support HGS Board's on-going business initiatives of building HGS membership, improving attendance at HGS events, and strengthening HGS's financial sustainability. My past HGS Board member positions have ideally situated me to assist with advancing HGS objectives and business initiatives. As HGS Vice President (2018-2019), I developed Luncheon and General Dinner Meetings speaker programs that brought in diverse presentations, which, in turn, increased HGS meeting attendance and engaged a broad spectrum of our geoscience community. As HGS Director of Science and Education (2014-2016), I worked with seven committees, which provided exceptional training and learning opportunities for geoscientists of all ages, including our young K12 scientists, industry and academia scientists, and our retired scientists. It is this dynamic engagement of our community that continues to advance and transfer our excellence in geoscience... [Read More](#)





## Candidates for the 2023-2024 Executive Board (*continued*)

### ***Vice President (two candidates)***

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**Bruce Blake**

I'm honored to have been asked to run for Vice President of the HGS. The main function of this position is to help bring technical talks to the membership. Since 1977, my career has been focused on

conventional exploration having worked for companies of various sizes from a family owned small shop to a major international company. I've traveled to and seen exploration projects in six of the seven continents. And I've given talks at several local and international society meetings including being the 2014 Honorary Lecturer, Middle East & Africa for the SEG.

Having returned to Houston in 2016 from a dozen years as an expat in Calgary, Madrid, and Tripoli, I've become involved in HGS serving as this year's Treasurer. As Vice President of the HGS, I'll focus on bringing interesting exploration topics to the membership... [Read More](#)



**Linda Sternbach**

I would be honored to serve as HGS Vice President and celebrate HGS' 100-101st year as a geological society. I would organize the monthly dinner and luncheon talks, and work with the leaders

of HGS International Explorationists, E&E, and North American groups to recruit highly valued speakers. My experience with the recent GeoGulf conferences will guide my selection of scientific, applied petroleum exploration, and business-oriented speakers that will benefit HGS membership. I see the value of remote online access to technical talks like we experienced using Zoom in past years. I think this should be part of the HGS technical program, but in a way that lets HGS recover the cost of the running online meetings. I have worked to increase HGS membership renewal and growth after the pandemic. We found that personal contact (calls, email) was the most effective way to motivate membership renewal. I think we should reach out to potential new members using the HGS technical program as a reason to get new members to join HGS... [Read More](#)

### ***Secretary (two candidates)***

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**Kenneth Mohn**

I spent my entire career in the oil and gas industry as a geologist, primarily working for seismic companies putting together upstream exploration seismic projects, both domestic and international. The

importance of understanding the geology of a region when working on a project can make the difference between a well laid out program and a waste of time.

I recently formed Mohn & Associates to leverage my skills and the skills of other likeminded professionals to provide services to our clients. Designing a project without considering all the geological and geophysical factors that could affect the project can be a waste of money. Just doing things, like we always have, just because that is the way we do it, can achieve the same objective. We live in a world that is changing and we have to change with it. That does not mean we destroy what we have built and learned, but we improve on the systems we have. I am honored to run as a Board Member for the Houston Geological Society... [Read More](#)



**Bryan Ott**

I'm honored to be nominated for the position of secretary of the Houston Geological Society. The HGS is a historic society that has served geologists in the city of Houston for 100 years. Now, more

than ever, is the time for our community to come together and stand proud for the role we play in providing the world with affordable and reliable energy. As an active member on the HGS Continuing Education Committee, and long-time Houston resident, I have a deep appreciation for the role the HGS plays in advancing the field of geology and promoting its value to the wider community. Through technical meetings, conferences, publications, social functions, and scholarships, the HGS is the premiere society that represents and serves geologists in Houston. If elected, I would be honored to work with the other board members to not only continue to carry the torch of those who served before us, but to help accelerate the HGS into the future. I am eager to contribute my skills and knowledge to further the goals of the Geological Society of Houston and ensure its continued success... [Read More](#)





## Candidates for the 2023-2024 Executive Board (*continued*)

### ***Treasurer - Elect (two candidates)***

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**Ceri Davies**

I am very appreciative of the nomination to run for Treasurer-Elect of the Houston Geological Society. I moved to Houston 10 years ago and have always enjoyed the events and education provided by the

HGS and look forward to supporting the Society as it celebrates its centenary. The Africa and Latin America conferences have become a staple of my calendar and I enjoy the variety of talks provided by the evening dinners and general lunches.

My recent involvement with the HGS has included co-chairing the North American Explorationist Group, Board Member, Editor and most recently Chair of the Latin America conference held November 2021. As with all Societies, the HGS must adapt and evolve in order provide our members with applicable and interesting events and I look forward to working with the rest of the HGS team in the coming years, either through a Treasurer-Elect capacity or volunteering when resources are needed... [Read More](#)



**Glenn R. Lowenstein**

Glenn Lowenstein has been involved with the HGS since the 1990's serving as the Chairman of the Environmental / Engineering Group and a field trip coordinator to Big Bend.

He was awarded the Rising Star and a Lifetime honorary membership. Glenn obtained his B.S. in Geology at Queens College in New York and his M.S. in Geology at Texas A&M. He has been an environmental consultant in the Gulf Coast area for twenty years. Mr. Lowenstein managed a staff of up to ten geologists, engineers, and technicians for the Houston office for Professional Service Industries from 1990 until 1997. In 2001, he formed the company Terrain Solutions, Inc. where he currently serves as President.

Mr. Lowenstein was selected as one of the first one hundred in the State of Texas to be a licensed Geoscientist due to his active role in the profession and is licensed as #28. Mr. Lowenstein was selected by the Governor of Texas to serve as a six-year term Secretary/Treasurer and head of Compliance and Enforcement for the Texas Board of Professional Geoscientists (TBPG) ... [Read More](#)

### ***Editor - Elect (two candidates)***

---



**Ted Godo**

Ted originally began his geologic studies at the age of 9 and continued through his master's degree in Geology from Ohio State University in 1979. Upon graduation, he joined Shell's exploration department

as a geologist. At Shell, he gradually rose to a position of chief geologist, supplying risking and ranking of the exploration portfolio in the western hemisphere. After his 35-year career at Shell he joined Murphy Oil as a geologic advisor. At Murphy, he evaluated New Venture opportunities in basins on both sides of the Atlantic margin (West Africa, Brazil, Mexico, and Canada). After 5 years with Murphy, he formed the geologic consulting company named Geodog Exploration LLC. At Geodog, Ted has consulted for companies exploring subsalt and Mesozoic opportunities in the Gulf of Mexico. Most of the consulting during this time has focused on the Mexican deep-water exploring for both Mesozoic and subsalt Tertiary targets... [Read More](#)



**Ross Harrison**

Ross is a geologist with expertise in secondary and tertiary recovery from Permian fields. In addition, he leads and plans the certification of CO2 injection for Enhanced Oil Recovery and CCUS

projects. Ross began his career at Oxy in 2017 and has identified, developed, and produced resources from large carbonate and mixed-carbonate-siliciclastic reservoirs. Ross earned a BA in English with a General Business Minor from Texas Christian University, a BS in Geology from Louisiana State University, and an MS in Geology from Texas Christian University. While in school, Ross supported applied research projects including characterization of modern siliciclastics of the Gulf Coast and a depositional evaluation of coal beds in the Raton Basin. Ross attended the 2021 HGS Grand Canyon Field Trip and enjoyed it so much that he will be co-leading the trip for HGS in 2023. Ross currently serves on Oxy's Early Career Network Steering Committee as President, having previously served as the Chair of Technical Development. He enjoys doing anything in the sun, running, climbing, fishing, mountaineering, reading, and learning... [Read More](#)





## Candidates for the 2023-2024 Executive Board (*continued*)

### ***Director (four candidates, pick two)***

---



**Bryan Bottoms**

I am incredibly honored to have been nominated for a position on the HGS Board of Directors this upcoming year. Since moving to Houston in 2019, I have found a great sense of community in the

HGS and have continued to increase my involvement with the society as time has gone on. This past year I served as the NeoGeos committee chair, hosting happy hours and trivia events aimed at encouraging the younger members of Houston's geologic community to become involved with the society. I have also volunteered my time for the society in educational outreach events like teaching fossils in elementary schools and participating as a judge in the Houston Science & Engineering Fair. I look forward to continuing my involvement with the society and hope to encourage turn out, especially amongst early career geoscientists... [Read More](#)



**Janet Combes**

I am interested in exploring new opportunities for the Houston Geological Society related to the approaching energy transition change – new approaches will involve geoscience techniques.

Interaction with local colleges will be needed also. I believe that I can offer a broad perspective and represent the diverse members of the world's largest local geological society. I especially appreciate HGS outreach endeavors to promote geology, both in schools and to the general public, as well as its efforts to support its membership and our industry. I feel honored that I was asked to run for the office of Director of the Houston Geological Society.

I have more than 40 years of experience as an interpretation geoscientist (geologist and geophysicist), working in industry, government agencies, and as an independent consultant. I took time between getting my degrees to work and also had jobs while enrolled. My focus has been primarily in petroleum exploration, production, and research, and I have worked both domestic and international projects for multiple companies, including Tenneco, Amoco, ExxonMobil, and ConocoPhillips and several independents. I also have experience with the Kansas Geological Survey, the Texas Bureau of Economic Geology, and the USGS. I think that having this depth and range of industry and non-industry experience helps prepare me for the diverse issues affecting the HGS... [Read More](#)



**Sharma Dronamraju**

Sharma earned his Master's degrees in Geology from the Indian Institute of Technology, Texas A&M University, and an MBA from Rice University. He worked as Geologist and held technical and

leadership positions in the upstream oil & gas and mid-stream companies for 38 years, in Houston and internationally. Currently, he is a Founder/Director of AKD Professional Solutions Inc. serving primarily the upstream oil & gas industry.

He has been a member and a volunteer with HGS for 25 years, an active Member of the AAPG (30 years), and a delegate with the AAPG HoD. He served on Continuing Education and International Exploration Committees, organized and chaired three workshops (Geopressures, Coal Bed Methane, and Reservoir Modeling, 2000), Co-Chaired the International Business of Exploration Symposium (2000), and received the Rising Star award (2000). Served as Session Chair for GCAGS and AAPG ICE. He now serves as Chair of the Memberships Committee. He has been a Guest Speaker at HGS and GSH... [Read More](#)



**Judy Schulenberg**

Judy Schulenberg has over 30 years' experience in all aspects of exploration and development, in both conventional and unconventional plays. She has supervised multidisciplinary teams,

written "best practices" guidelines for unconventional development, and has developed and delivered training courses for both geoscientists and non-geoscientists. She has extensive experience in all aspects of recruiting, mentoring and training in the oil industry. She is the President/owner of The Explorer Group 1 specializing in attribute analysis and machine learning applied to prospect generation and development, shallow hazard analysis, and breathing new life into older fields. She enjoys the challenge of "out of the box" situations and projects, especially where the application of new technology can be used to enhance previously successful plays.

Ms. Schulenberg is an active member of American Association of Petroleum Geologists (AAPG), Society of Exploration Geophysicists (SEG), Houston Geological Society (HGS), AAPG House of Delegates... [Read More](#)



# **HGS CONTINUING EDUCATION SHORT COURSE**

WEDNESDAY, MAY 24, 2023

CORELAB, 6316 WINDFERN, HOUSTON, TX 77040

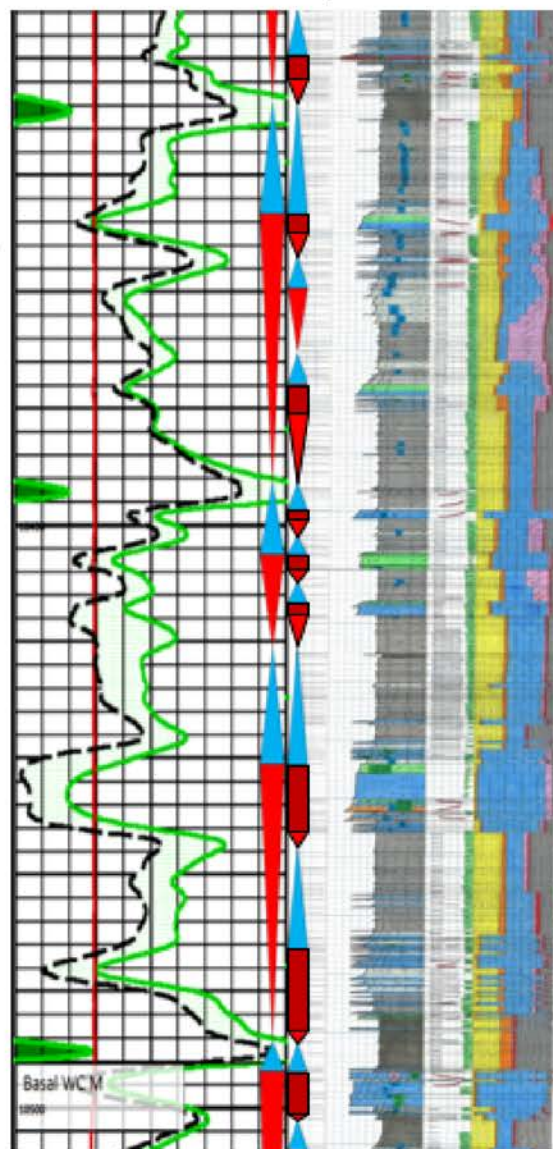
8:00 A M - 5:00 PM (one day class)

## **The Rocks Never Lie: Classic Permian Basin Conventional, Tight, and Unconventional Reservoir Cores**

**Presented by: Robert F. Lindsey  
Lindsay Consulting**

**Class will cover core  
description, analysis, and data  
integration**

Wolfcamp core



*Registration details coming soon to HGS web page*

**Venue donated by Core Laboratories, Houston**



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# 2023 Spring Symposium



Python & the  
Geosciences

## 19 APRIL

8:00 am - 5:00 pm  
Morning & Afternoon  
Sessions

6:00 pm - 8:00 pm  
Evening Networking Event,  
Cullen Hall of Gem & Mineral

## 20 APRIL

8:00 am - 5:00 pm  
Hackathon & SEG Challenge Bowl



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### Members



Both Days: \$350  
19th only: \$250 (includes  
evening event)  
20th only: \$150  
Evening Event only: \$50

### Non-members

Both Days: \$410  
19th only: \$310 (includes  
evening event)  
20th only: \$210  
Evening Event only: \$60

### Students

Both Days: \$100

Prices increase on April 12th



# TENNIS

## TOURNAMENT

**12 - 5 PM FRIDAY APR 28, 2023**

- 12-1 PM: Lunch & Door Prizes
- 1-5 PM: Tennis Tournament

**Chancellors Family Center**

6535 Dumfries Dr.

**\$80**  
Registration

Register at: [www.gshtx.org](http://www.gshtx.org)  
Chairperson: [rjones@seitel.com](mailto:rjones@seitel.com)  
GSH Office: [kathys@gshtx.org](mailto:kathys@gshtx.org)





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# Remembrance

ANDRE' BOUTTE'  
1937 - 2023

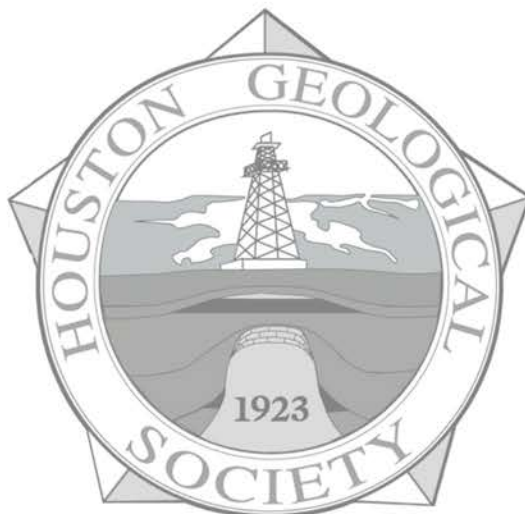


André Louis Boutté, 85, passed away peacefully on Wednesday, March 8, 2023 surrounded by his wife and sons. He was born November 7, 1937, in Shreveport, Louisiana to André Pierre Boutté and Mary Eugenia Roach Boutté. He attended C.E. Byrd High School and Louisiana Polytechnic Institute in Ruston, Louisiana. After his first year of college, he spent the summer in Venezuela with relatives. His time there inspired in him an interest in the oil industry and when he returned to college, he changed his major to Geology.

He graduated in 1960 with a Bachelor of Science degree. He then enlisted in the U.S. Air Force Reserve. Upon completing active duty at Barksdale Air Force Base, he went to work with Hycalog, an oil field service company.

In 1965, he enrolled in graduate school at Louisiana State University in Baton Rouge where he earned a Master of Science degree in Geology. He then went to work as Associate Geophysicist with Humble Oil Company in New Orleans and later as an Exploration Geologist with Texaco. In 1976, André went to work for Davis Brothers in Houston. A year later, he became an independent geologist generating oil and gas prospects and a contract consultant to multiple clients. In 2000, André began a new career as a Senior Technical Writer with Geoquest, the software development division of Schlumberger Corporation. During his tenure there, he was an officer of the Schlumberger Biking Club and participated six times in the MS 150 Charity Event, a bike ride from Houston to Austin. In his last three years of biking in the event, he was a member of the MS 150 300 Club, a group of top fundraisers. In 2007, André began working as a Senior Technical Writer with Seismic Microtechnology Corporation, an oilfield software developer. He began fulltime retirement in 2008. He was an active member of the American Association of Petroleum Geologists, Society of Independent Petroleum Earth Scientists and Houston Geological Society. While in New Orleans, he met Ann Reisfeld. Ann and André married on May 7, 1978. In October, 1979, they were blessed with the birth of their son, Adam, followed in February, 1983 with the birth of their son, Aaron. André's passions included traveling, tennis, baseball, fishing and genealogy. But his true passion was spending time with his family. He was a master at the barbecue grill, and he enjoyed preparing feasts for family and friends. He had a radiant smile, a light-hearted laugh and a wonderful sense of humor. He was respected and admired by those who knew him and deeply loved by his family who knew him best. He leaves behind a legacy of kindness, integrity and wit. He was preceded in death by his parents and his brother, Charles Michael Boutté. He is survived by his wife of 44 years, Ann Reisfeld Boutté, his sons, Adam Reisfeld Boutté and Aaron Hirsch Boutté, his daughter-in-law Lynn Phan, his grandson Khanh Robert Boutté, his brother and sister-in-law Ronald and Susan Boutté, his sister-in-law Margaret Boutté, his brother-in-law Robert Reisfeld and wife Leslie and by his many nieces and cousins.

*Summarized from Life Tributes section of the Houston Chronicle on March 20, 2023.*





## SPE Energy Professionals Hiring Event

Thursday, May 4, 2023 | 9:00am - 4:00pm  
Offshore Technology Conference - NRG Park

### DESCRIPTION

The SPE Energy Professionals Hiring Event for job seekers and employers is scheduled in-person on May 4, 2023 (SAVE THE DATE!) AT OTC 2023!!!



The Offshore Technology Conference is the premier technical conference for the global offshore industry, and is always one of Houston's biggest annual events, second only to the Rodeo!

- It provides **job seekers** with opportunities to meet with energy industry hiring companies in upstream, midstream oil and gas, & renewables.
- It provides **employers** a platform to meet and engage with experienced energy professionals, discuss career opportunities, and network.

For Job Seekers: Hiring Event registration is required, with **resume/CV uploaded** by **April 28, 2023**. Job Seeker Registration Opens **April 3, 2023**. QUALIFICATIONS:

- Be an active member of either SPE and/or the professional Collaborating Organization(s). Provide proof of active membership.
- And possess a 4-year bachelor's degree in engineering, applied sciences; or 4-year degree in a field other than science or engineering and technical experience working in the energy sector and / or projects.
- Or possess a 2-year science or engineering degree and technical experience working in the energy sector and / or projects.

Employers/recruiters have:

- Open positions (contract and/or full-time) at the time of the Hiring Event or in the near future in the disciplines of the Collaborating Organizations including transferable skills of energy professionals.

**CALL FOR VOLUNTEERS: Check the SPE EVENTS Page for the Next Members in Transition Meeting**

- This platform is intended to connect ALL INDUSTRIES with a vetted and diverse cross section of solution-driven ENERGY professionals on **May 04, 2023, 9am - 3pm Central Time**.
- If unable to attend the Hybrid or Virtual events, please support our local STEM scholarships by sponsoring this event (**email for info**), or make a donation to the **SPE-GCS Scholarship Endowment Fund**. SPE-GCS is a 501(c)(3) organization (tax ID 75-2001539).

Click [HERE](#) to read more



# GSH Annual Golf Tournament 2023

The Woodlands Country Club Tournament Course has been chosen to host this year's Geophysical Society of Houston's Annual Tournament. Winding through the village of Grogan's Mill, the overall design of the Tournament Course promotes the feeling of tranquility, with well-integrated ponds, lakes, natural trees, and pristine landscaping. The Tournament Course serves as host to The Insperity Invitational.



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**Or \$800 Per Team**

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\*Space is limited to 130 Players - \*Sponsorships are still available

For more information contact: Fernando Verver {e} [fernando.verver@tgs.com](mailto:fernando.verver@tgs.com)

Or Kathy Sanvido {e} [kathys@gshtx.org](mailto:kathys@gshtx.org)



**All materials are due by the 15th of the month, 6 weeks before issue publication.** Abstracts should be 500 words or less; extended abstracts up to 1000 words; articles can be any length but brevity is preferred as we have a physical page limit within our current publishing contract. All submissions are subject to editorial review and revision.

**Text** should be submitted by email as an attached text or Word file or on a clearly labeled CD in Word format with a hard copy printout to the Editor.

### HGS Bulletin Instructions to Authors

**Figures, maps, diagrams**, etc., should be digital files using Adobe Illustrator or Adobe Photoshop. Files should be saved and submitted in .ai, .eps, .tif or .jpg format. Send them as separate attachments via email or CD if they are larger than 5 MEGs each, accompanied by figure captions that include the file name of the desired image. DO NOT EMBED them into your text document; they must be sent as separate files from the text. DO NOT USE POWERPOINT, CLIP ART or Internet images (72-DPI resolution) as these do not have adequate resolution for the printed page and cannot be accepted. All digital files must have 300-DPI resolution or greater at the approximate size the figure will be printed.

**Photographs** may be digital or hard copy. Hard copies must be printed on glossy paper with the author's name, photo or figure number and caption on the back. Digital files must be submitted in .tif, .jpg, or .eps format with 300-DPI or greater resolution at the printing size and can be accompanied by figure captions that are linked by the file name of the image. The images should be submitted as individual email attachments (if less than 5 MB) or on CD or DVD.

### HGS Bulletin Advertising

The *Bulletin* is printed digitally using InDesign. Call the HGS office for availability of ad space and for digital guidelines and necessary forms or email [ads@hgs.org](mailto:ads@hgs.org). Advertising is accepted on a space-available basis. **Deadline for submitting material is 6 weeks prior to the first of the month in which the ad appears.**

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No. of Issues	Random Eighth Page	Random Quarter Page	Random Half Page	Random Full Page						
10	\$950	\$1,350	\$2,550	\$4,750	\$8,000	\$7,500	\$7,050	\$6,850	\$6,650	\$3,000
9	\$800	\$1,300	\$2,500	\$4,700						
8	\$750	\$1,250	\$2,250	\$4,300						
7	\$600	\$1,100	\$2,200	\$3,850						
6	\$550	\$950	\$1,800	\$3,500						\$2,000
5	\$500	\$800	\$1,600	\$3,000	\$4,700	\$4,500	\$4,350	\$4,000		
4	\$450	\$650	\$1,300	\$2,500						
3	\$300	\$550	\$950	\$2,000						\$1,000
2	\$250	\$400	\$700	\$1,500						
1	\$150	\$250	\$450	\$1,000	\$1,500	\$1,400	\$1,250	\$1,000	\$1,250	\$850
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### Website Advertising Opportunities

There are currently 5 opportunities to help spread the word about your business or event and generate traffic to your website or campaign. Please submit all ad materials five (5) days prior to the go-live date for testing.

Placement	Rate	Specifications/Description
HGS Website Home Page Banner Ad	\$800 – Monthly	275 x 875 pixels; home page top banner ad. All Home Page Banner Ads rotate every 10 seconds.
	\$1800 – 3 Months	
	\$2800 – 6 Months	
	\$3600 – 12 Months	
HGS Website Home Page Column Ad	\$700 – Monthly	200 x 400 pixels; home page right column ad
	\$1500 – 3 Months	
	\$2400 – 6 Months	
	\$3600 – 12 Months	
HGS Website Event Page Ad	\$600 – Monthly	200 x 400 pixels; calendar page left column ad. All Event Page Ads rotate every 10 seconds.
	\$1200 – 3 Months	
	\$1600 – 6 Months	
	\$2600 – 12 Months	
Geo-Jobs	\$50 – 14 days	Posting of job opportunities on HGS website. Click the Geo-Jobs tab to get started. Must be filled out completed and the dates set appropriately.
	\$100 – 30 days	
	\$300 – 3 Months	
	\$600 – 6 Months	
Vendor Corner	\$1200 – 12 Months	Company logo, company website, and company description will be highlighted on HGS Calendar website event. This is an opportunity to display company wares, gain personnel exposure and hand out product information at HGS dinner meetings.
	\$250	
	*4 Pack option with 1 FREE bonus event for \$1000.00 available. Send request to <a href="mailto:vendorcorner@hgs.org">vendorcorner@hgs.org</a> .	
Event/Short Course Calendar Ad	\$100 – Monthly	An event ad posted within the HGS website calendar under the Events tab.
Bundle & Save!	<ul style="list-style-type: none"> <li>• 30% off website ads when combined with print ads in all 10 HGS <i>Bulletin</i> issues.</li> <li>• 20% off website ads when combined with print ads in 5 HGS <i>Bulletin</i> issues.</li> <li>• 10% off website ads when combined with print ads in 3 <i>Bulletin</i> issues.</li> </ul>	





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## APPLICATION TO BECOME A MEMBER OF THE HOUSTON GEOLOGICAL SOCIETY

### ***Qualifications for Active Membership***

- Have a degree in geology or an allied geoscience from an accredited college or university; or
- Have a degree in science or engineering from an accredited college or university and have been engaged in the professional study or practice or earth science for at least five (5) years.

### ***Qualifications for Associate Membership (including students)***

- Be involved in the application of the earth or allied sciences.
- Be a full-time student enrolled in geology or in the related sciences.

Apply online at [www.hgs.org](http://www.hgs.org) and click "Join HGS". Annual dues expire each June 30.  
Annual dues are \$36; Emeritus members pay \$18; Students are free.

**To the Executive Board:** I hereby apply for membership in the Houston Geological Society and pledge to abide by its Constitution and Bylaws.

Full Name \_\_\_\_\_ Membership Type (choose one): Active Associate Student

Current Email (for digital Bulletin & email newsletter) \_\_\_\_\_

Phone \_\_\_\_\_

Preferred Address for HGS mail \_\_\_\_\_

Employer (required) \_\_\_\_\_ Job Title (required) \_\_\_\_\_

Will you volunteer? (Y/N) \_\_\_\_\_ Committee choice: \_\_\_\_\_

Active & Associate membership for one year (July 1st - June 30th) \$36.00 \_\_\_\_\_

Student membership \$0.00 \_\_\_\_\_

\*OPTIONAL\* Scholarship Contributions: Calvert/HGS Foundation-Undergraduate \$5.00 \_\_\_\_\_

**Total Remittance** \_\_\_\_\_

### **Payment**

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Degree (required) \_\_\_\_\_ Year Graduated \_\_\_\_\_

School (optional) \_\_\_\_\_ Major (optional) \_\_\_\_\_

Degree (optional) \_\_\_\_\_ Year Graduated \_\_\_\_\_

Years Work Experience (required) \_\_\_\_\_

Please submit a brief statement regarding your work experience in the practice or application of earth science or an allied science.

AAPG Member Number \_\_\_\_\_ HGS Sponsor's Name \_\_\_\_\_

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www.metarocklab.com

Zach Arasteh  
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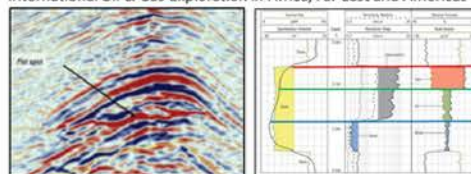
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Sterling, VA, 20167

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Address: 12102 Piping Rock Drive, Houston, Texas, USA, 77077

Email: Steven L. Getz @ [sjgetz@outlook.com](mailto:sjgetz@outlook.com)

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EMAIL: [hampf.aw@sbcglobal.net](mailto:hampf.aw@sbcglobal.net)



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# Come Rock With Us



The Houston Geological Society is a professional society for petroleum, energy and environmental geoscientists. The HGS supports continuing education, networking, outreach to students, student scholarships and young professional activities. HGS will celebrate its 100th year in 2023!

The objectives of the Houston Geological Society are to stimulate interest and promote advancement in geology for the Houston area, to disseminate and facilitate discussion of geological information, relationships among geologists in the area, and to aid and encourage academic training in the science of geology. The Society strives to achieve these goals through regularly scheduled technical meetings, publication of a monthly Bulletin, a continuing education program, field trips, the publication of timely books, and two student scholarship funds.

## Join the Houston Geological Society's wonderful group of volunteers!

The HGS is always looking for energetic members to become volunteers for the society. As the largest local geological society in the country, we depend on the support of our members to help us organize and execute our many activities.

### HOW YOU CAN HELP

**Field trips:** Do you have an idea for a fun field trip? We are always interested in planning exciting trips for adults and kids! Add your name to our list of future field trip guides!

**Monthly Technical Meetings:** Have you recently heard a great speaker that you think the HGS should host? Let us know! You can also volunteer to help at any of our monthly technical meetings, such as: *General Dinner, General Lunch, Environmental & Engineering Meeting, North American Dinner, International Dinner.*

**HGS Committees:** Committees such as Educational Outreach, Continuing Education, and NeoGeos are always looking for extra helping hands!

**Annual Events:** Every year the HGS has annual social events, and we need volunteers to help us organize and set up on the day of the events. They include: *Scholarship Night, Crawfish Boil, Skeet Shoot, Conferences, Golf Tournament.*

**If you are interested in adding your name to our list of volunteers, please contact the HGS Office at [office@hgs.org](mailto:office@hgs.org)**





# *Houston Geological Society*

14811 ST. MARY'S LANE, SUITE 250  
HOUSTON, TX 77079

Contact Us  
713.463.9476  
[office@hgs.org](mailto:office@hgs.org)



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