

# CONNECT

SPE GULF COAST SECTION



JANUARY 2019



JANUARY FEATURES

**Women in Energy One Day Congress**

**SPE-GCS Annual Drilling Symposium**

**Applied Subsurface Geological Mapping**

**WOMEN IN ENERGY**

**DRILLING**

**MEMBERS IN TRANSITION**

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### CONTINUING EDUCATION

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### YOUNG PROFESSIONALS

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### YOUNG PROFESSIONALS

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**HSSE & SOCIAL RESPONSIBILITY****27** 2/14/19Oil & Gas Safety Leadership/  
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2018–2019 Directory

# Renew Your SPE Membership Today!

## Stay connected with SPE-GCS activities during 2019



Join up with the brightest minds – 15,000 local members and more than 143,000 international members – in the industry!



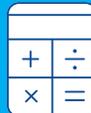
Grow your technical skills at our local and international conferences, workshops, and training courses.



Participate in SPE Gulf Coast Section's events, meetings and activities.



Submit a technical paper for presentation or publication.



Receive discounts on journals, reference books, OnePetro and other SPE publications.



Expand your network with managers, engineers, scientists, and other professionals locally and worldwide.



Develop leadership skills and contribute to the profession through our programs and activities.



Give back to our community and the E&P industry through volunteer opportunities.

For inquiries, please contact the SPE-GCS Membership Team at [membership@spgcs.org](mailto:membership@spgcs.org).

**RENEW YOUR MEMBERSHIP ONLINE**



**"It is not the strongest of the species that survives, nor the most intelligent that survives. It is the one that is the most adaptable to change." – CHARLES DARWIN**

**SUNIL LAKSHMINARAYANAN, 2019 – 2019 SPE-GCS CHAIR**

We exit 2018 and step into 2019 while looking at the plethora of opportunities ahead. There is a lot of focus on

the digital transformation of the oil and gas industry. For several decades, the industry has not taken advantage of the opportunities derived from the meaningful use of data and technology. Data from a single rig can be in the range of several terabytes, yet only a fraction of that data is used for interpretation and decision making. Other industries seem to have made advancements in revolutionizing their businesses through a holistic adoption of digital technologies. Observing their success, the oil industry is slowly realizing that digital transformation extends beyond Silicon Valley and is something that organizations need to adopt if they expect to survive in the next decade.

Trending digital technologies include:

- Big Data/Data Analytics
- Industrial Internet of Things (IIoT)
- Robotics/Drones
- Artificial Intelligence
- Cloud
- Blockchain
- Cybersecurity

Within the Gulf Coast Section we have initiated, and are aggressively promoting, the aforementioned digital technologies. Established in early 2017, the Data Analytics Study Group has been one of the most successful initiatives we have launched in the recent past. The Data Science Convention, which was organized by this study group in April 2018, was a massive success and over 400 people attended. Going forward, this will be an annual event and this year's edition will be held in April.

To address other digital technologies, we established the

Digital Transformation Study Group in early 2018. This study group operates with the following principles:

- **DRIVE** the adoption of IIoT, big data, machine learning, and cybersecurity technologies (and others) to enable data-driven decision making, increasing industry efficiency through the fusion of operations and information technologies.
- **SHARE** carefully researched and qualified use cases that will help all industry players adopt best practices to connect, manage, and extract value from data, achieving improvements in terms of cost reductions, increased safety, added value, greater operational efficiency, and reduced environmental impact.
- **GUIDE** the industry toward understanding, leveraging, and protecting data as a critical enterprise asset.

The Digital Transformation study group will be holding its inaugural annual congress in May 2019. The event will be a combination of keynotes, panels, exhibitors, and a tech pavilion where the attendees can get hands-on learning and real-world experience through live demonstrations of new technology.

We will keep exploring avenues to expand our technical offerings in the digital technology domain. I am hoping our membership will benefit from these offerings.

Happy New Year!



## ABDUL REHMAN

### How did you first get involved with SPE?

I attended the SPE-GCS Annual kickoff meeting in 2016 and met Sunil Lakshminarayanan. At that time, Sunil was the chair

of the Continuing Education committee and was looking for some volunteers to join his team. I was happy to volunteer as I felt that the organization was very resourceful.

### What SPE study groups, committees, or volunteer events have you been involved in?

The Continuing Education and Career Management Committees.

### What is your current role with SPE?

I'm currently the Continuing Education Technical and Business Development Chair and I maintain the technology side of it.

### What is your REAL job and educational background?

I have an MS in petroleum engineering from Texas A&M University and I have worked as a Reservoir Engineer for about eight years. Currently I am pursuing an MS in Data Science from the University of Houston.

### What is your favorite thing about SPE?

I like the variety of professional development courses that SPE offers with discounted pricing for its members. I believe it is an important platform for both students and professionals to keep pace with the growing technical knowledge in the oil and gas industry. Also, SPE provides an excellent opportunity for social networking.



## DAVIS WINSTON SCOTT

### How did you first get involved with SPE?

I got involved with SPE when I was in university in Mexico. I've been a member since 2005. I've been going to different SPE-GCS meetings since 2013, but I got more involved as a chairman in 2016. I got involved

to gain local and international knowledge across different domains in my field. I've been able to get to know amazing colleagues who I think will be a part of my career for life.

### What SPE study groups, committees, or volunteer events have you been involved in?

I volunteer for the SPE GCS YP conferences and have been actively involved in the Roughneck Camp and Emerging Engineers Symposium creating an expansive network and making connections between my colleagues and friends to help them reach their highest potential. I always maintain communication with the students and young professionals that I meet at these conferences, and they have been a great part of my career and personal development.

### What is your current role with SPE?

I've been YP Communications Chair since 2016.

### What is your REAL job and educational background?

I started working in 2011 for Schlumberger and was transferred to Houston, TX, for an internal masters training in 2013. Currently, I am in charge of North America sales and business development for Schlumberger's production solutions and consulting services. My background is in Petroleum Engineering.

### What is your favorite thing about SPE?

The international exposure to so many experts in the field and the wealth of knowledge at my fingertips. I am grateful to be in a position where I am able to share that knowledge and use it to be of service to the community. SPE has enriched my life and has helped me focus not only on my inner network but also understanding what is happening around me.

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
		01	02	03	04	05
		<ul style="list-style-type: none"> <li>• Northside</li> <li>• Digital Transformation</li> </ul>		<ul style="list-style-type: none"> <li>• General Meeting</li> </ul>		
06	07	08	09	10	11	12
	<ul style="list-style-type: none"> <li>• MiT</li> </ul>	<ul style="list-style-type: none"> <li>• Permian Basin</li> <li>• Reservoir</li> <li>• MiT</li> </ul>	<ul style="list-style-type: none"> <li>• Westside</li> <li>• MiT</li> </ul>	<ul style="list-style-type: none"> <li>• HSSE &amp; SR</li> <li>• Drilling</li> <li>• Cont. Education</li> <li>• MiT</li> <li>• Board of Directors Meeting</li> </ul>	<ul style="list-style-type: none"> <li>• MiT</li> <li>• WIN Congress</li> </ul>	
13	14	15	16	17	18	19
<ul style="list-style-type: none"> <li>• Young Professionals</li> </ul>			<ul style="list-style-type: none"> <li>• Data Analytics</li> </ul>	<ul style="list-style-type: none"> <li>• Cont. Education</li> </ul>	<ul style="list-style-type: none"> <li>• MiT</li> </ul>	
20	21	22	23	24	25	26
	<ul style="list-style-type: none"> <li>• Young Professionals</li> </ul>			<ul style="list-style-type: none"> <li>• Cont. Education</li> <li>• Business Development</li> </ul>		
27	28	29	30	31		

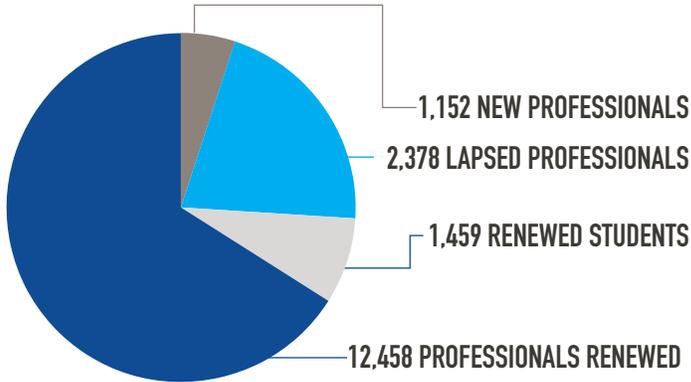
## Upcoming Special Events

Mark Your Calendars

- 1.31.19 BUSINESS DEVELOPMENT A&D SYMPOSIUM
- 2.14.19 HSSE & SR OIL & GAS SAFETY LEADERSHIP/CULTURE WORKSHOP
- 2.21.19 YOUNG PROFESSIONAL INTER-CORPORATE TOPGOLF TOURNAMENT/NETWORKING EVENT
- 2.27–2.28/19 INNOVATION & ENTREPRENEURSHIP SYMPOSIUM AND 2ND ANNUAL SHARK TANK EVENT

- 3.6.19 WESTSIDE TECHNICAL SEMINAR: AN OPERATOR EXCLUSIVE
- 3.26.19 UPSTREAM OIL & GAS PROFESSIONAL HIRING EVENT
- 4.8.19 SPE-GCS 46TH ANNUAL GOLF TOURNAMENT
- 5.10.19 DIGITAL TRANSFORMATION ANNUAL CONGRESS
- 5.13–5.17.19 SPE-GCS ELECTRIC SUBMERSIBLE PUMPS SYMPOSIUM
- 5.22.19 BUILDING WINNING TEAMS: MVP HOUSTON ASTROS DRAFT DAY

### Membership Through November 2018



### Current Membership Trends



<b>Board of Directors Meeting</b>	<b>WHEN</b>	January 17, 7:30 – 10:30am
	<b>WHERE</b>	SPE Houston Office: 10777 Westheimer Rd, Ste 1075 Houston, TX 77042
	<b>R.S.V.P.</b>	Taylor Wright T (713) 457-6821 F (713) 779-4216 <a href="mailto:spe-gcs@spe.org">spe-gcs@spe.org</a>

<b>Study Group Pricing</b>	Unless specified separately in the registration website:	
	MEMBERS:	\$40/\$55 Walk-in
	NON-MEMBERS:	\$55
	STUDENTS/MIT/Retired SPE:	\$25

[View SPE-GCS Directory](#)



The Gulf Coast Section (GCS) was established on January 13, 1935. The mission of GCS is part of our Bylaws which were amended by vote of the Board of Directors on February 16, 2017, and by vote of the general membership on April 20, 2017.

### SPE-GCS MISSION

The mission of the Section shall be the promotion of mutual cooperation in furthering the objectives of the Society of Petroleum Engineers International, Inc.

This shall be accomplished by:

- I. Providing forums that afford members the opportunity to upgrade and maintain professional competence.
- II. Providing social interaction that increases member participation in Section activities as a whole, while striving to maintain the integrity of the Section.
- III. Supporting programs in local primary and secondary schools to encourage students to develop their abilities in science, technology, engineering and mathematics.
- IV. Supporting engineering programs at the university level.
- V. Enhancing the image of the Oil and Gas Industry by sponsoring community service programs.

# THEN & NOW

## JANUARY 1974

United Nations diplomats complain to the UN that they are having trouble getting gasoline for their official limousines in New York, one of which is Jamil M. Baroodi of Saudi Arabia, a prime mover in the recent oil embargo.

The Interior Department prepares to issue permits for construction of the Alaska crude-oil pipeline this month, now that Congress has removed right-of-way and environmental impediments.

**US active rig count:** 1,417

## JANUARY 1989

An investigation concludes that a gas release caused by removing a pressure relief valve from piping associated with a condensate injection pump is believed to be the cause of the July Piper Alpha disaster in the UK North Sea that cost 167 lives.

War-weary Iraq and Iran are seen to be gradually normalizing international business relations again, having put behind them a five-month cease-fire and a new OPEC accord (birds of a feather....).

**WTI crude:** \$16.30/bbl

**US active rig count:** 930

## JANUARY 2004

US crude oil stocks plunge by five million bbl to 273 million bbl, the lowest level recorded at year-end since the government began keeping records in 1982.

A deepwater drillship sets a new drilling time record off Mauritania by drilling 1,641 m in 5.3 days, including setting and testing the blowout preventer, in 1,351 m water depth.

**Light sweet crude:** \$33.88/bbl;

**Natural gas:** \$7.03/MMbtu;

**US rig count:** 1,106

## THE REST OF THE YARN

**This month we continue our look back at the rise and fall of wildcatter Glenn McCarthy, as the star-studded opening day for The Shamrock finally arrives.**

The day prior to the grand opening dawns and the stars began to arrive. McCarthy had chartered an entire 14-car Santa Fe train—the Shamrock Special—to bring them from Hollywood. A crowd of 5,000 dominated by “bobby-soxers” ringed the train station and lined nearby rooftops for its arrival. Girls squealed when Dorothy Lamour emerged and kissed McCarthy on the cheek. Cheers erupted as other stars followed: Robert Ryan, Andy Devine, Alan Hale, Ward Bond, Kirk Douglas, Stan Laurel, Buddy

Rogers, Ruth Warrick, and Robert Stack. Four dozen more arrived on an American Airlines charter that afternoon.

Finally, the opening day arrives and McCarthy is observed gliding through the Shamrock’s carpeted hallways inspecting his handiwork. Even his critics had to admit his décor made a statement. The walls and carpets were shades of coral and lime. Columns were rose and pink. The cavernous lobby, paneled in acres of Honduran mahogany, was dominated by a life-size portrait of McCarthy himself. Outside, the pool shimmered with Kelly-green water. Uniformed guards lined its edges, as a result of a cabal of Texas Aggies that threatened to dump maroon dye into it (Surely not!). “It’s the greatest hotel the world has ever known,” he told a reporter. Frank Lloyd Wright, attending

a convention in Houston that week, took the tour, and emerged in a daze. Asked his opinion of the interior, Wright remarked that he’d always wondered what the inside of a jukebox looked like.

Night approached, and the staff appeared ready. The news vendors shifted uncomfortably in their rented tuxedos. These security guards had actually been given elocution lessons, shown how to holster their Texas accents, and instructed to address guests with “Good evening, sir” instead of “Howdy.” Buxom girls stood ready to hand out little packets of the Irish shamrocks as the guests arrived.

**Next month, the guests begin filing in.**

## HISTORY QUIZ

### Who is considered the father of the modern oil well cementing process?

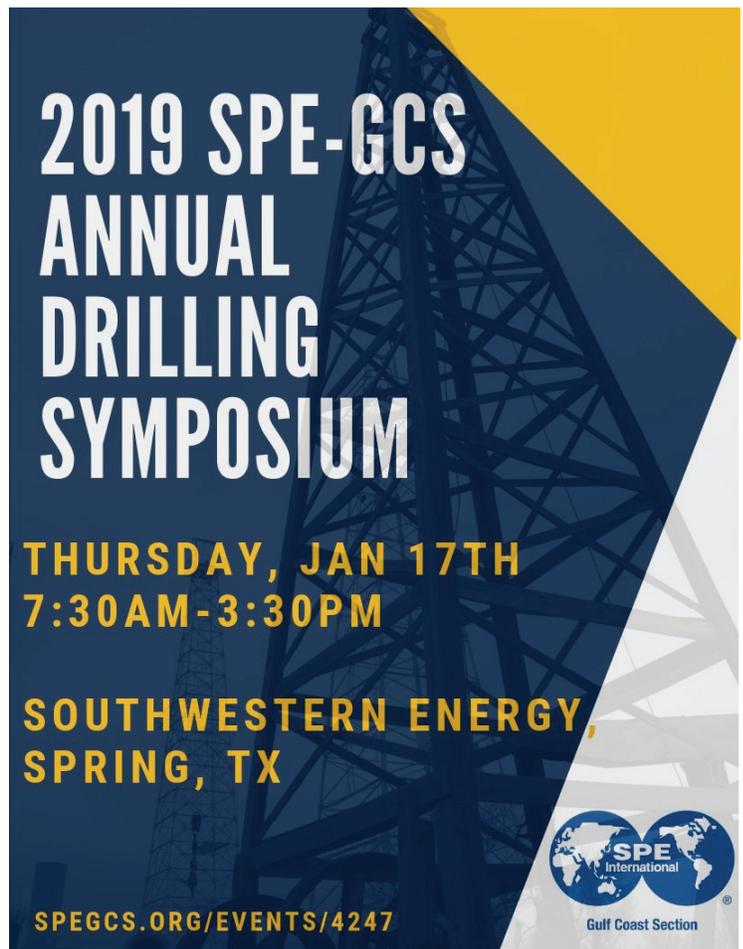
If you would like to participate in this month's quiz, e-mail your answer to [contest@spe.org](mailto:contest@spe.org) by noon January 15. The winner, who will be chosen randomly from all correct answers, will receive a \$50 gift card to a nice restaurant (courtesy of the ProTechnics Division of Core Lab).

## ANSWER TO DECEMBER'S QUIZ

Prior to air strikes on Iraq by the US and UK in December 1998, Turkey, Pakistan, India, and Dubai had been identified as purchasing oil from Iraq, while Iraq was under an Allies-imposed oil embargo.

## CONGRATULATIONS TO NOVEMBER'S WINNER

Joel Cristal with Noble Energy



**2019 SPE-GCS  
ANNUAL  
DRILLING  
SYMPOSIUM**

**THURSDAY, JAN 17TH  
7:30AM - 3:30PM**

**SOUTHWESTERN ENERGY,  
SPRING, TX**

[SPEGCS.ORG/EVENTS/4247](http://SPEGCS.ORG/EVENTS/4247)

  
SPE International  
Gulf Coast Section

# SIMPLIFY Your Sand Supply



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**NORTHSIDE****ESP Failure Analysis**

The past decade has witnessed an ever-expanding utilization of electric submersible pumps (ESPs) in the unconventional plays throughout North America. Unfortunately, performance and runlife have led to less than desirable performance from the ESP systems. Jeff will present examples and discuss methods and options to address the challenges faced in maintaining ESP

performance in the challenging world of unconventional wells and completion technologies. A broad-ranging discussion on applications, performance, and failure analysis with specific examples and methods will be discussed that could lead to performance improvement, if properly implemented.

**JEFF DWIGGINS**

Consulting Engineer Jeff Dwiggins has 30+ years in the oil industry and has been working on improving ESPs since 1989. With experience at Mobil Oil, Reda Pump Company, and Wood Group ESP in various capacities behind him, Jeff founded Dwiggins Consulting LLC in 2002 and subsequently founded Artificial Lift Solutions in 2009.

**EVENT INFO****WHEN**

Tuesday, January 8, 2019  
11:30am – 1:00pm

**SPEAKER**

Jeff Dwiggins  
*President & Founder*  
Artificial Lift Solutions

**LOCATION**

Landry's Seafood House  
1212 Lake Robbins Dr  
The Woodlands, TX 77380

**CONTACT**

Jon Spencer - 281-291-7769  
[jon.Spencer@tracerco.com](mailto:jon.Spencer@tracerco.com)

**REGISTER ONLINE****DIGITAL TRANSFORMATION****Technology Watch**

During this lunch-and-learn we will focus on the mechanisms for technology watch in the Digital Transformation space. How do you inform and

manage your innovation work using standards, membership in consortia and associations, incubation of startups, and more?

**EVENT INFO****WHEN**

Tuesday, January 8, 2019  
11:30am – 1:30pm

**LOCATION**

Equinor  
2107 City West Blvd.  
Houston, TX 77042

**CONTACT**

Philippe Flichy - 713-240-4879  
[philippe.flichy@energyembassy.com](mailto:philippe.flichy@energyembassy.com)

**REGISTER ONLINE**

## GENERAL MEETING

# A Walk Through Geologic Time with Emphasis on the Formation of Shale Basins

Tectonic movement created the shale basins of North America and is often associated with dynamic and cataclysmic events. This presentation is a travelogue through geologic time beginning in the Cambrian period, addressing continental plate positions, basin formation, and

clastic depositional sources. Along the way, a sense for the formation or extinction of fauna and flora that occurred during the various geologic time periods will be highlighted and how that contributed to the creation of hydrocarbons in these shale basins.

## LEE HIGGINS



Lee is an oil and gas expert with more than 30 years of experience in the upstream and midstream business and has been working the Permian Basin since 1988. He has held a variety of positions within both independent and major oil companies with increasing levels of responsibility. He holds a BS and MS degree in Geology.

## ENGINEERS OF ALL DISCIPLINES

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### MORE INFORMATION:

**PHONE:** 405-822-6761  
**E-MAIL:** [bingwines@cox.net](mailto:bingwines@cox.net)  
**WEBSITE:** [winrockengineering.com](http://winrockengineering.com)  
**WEBSITE E-MAIL:** [winrockpe@gmail.com](mailto:winrockpe@gmail.com)

## EVENT INFO

### WHEN

Thursday, January 10, 2019  
 11:30am – 1:00pm

### SPEAKER

Lee Higgins, *President*  
 Chelsea Energy, Inc.

### LOCATION

Petroleum Club of Houston  
 1201 Louisiana Street, 35th floor,  
 Houston, TX 77002

### CONTACT

Barry Faulkner - 281-627-8790  
[barryf1944@gmail.com](mailto:barryf1944@gmail.com)

[REGISTER ONLINE](#)

## PERMIAN BASIN

# Water Management: Improving ROI Through Business Integration

With a renewed and dedicated focus on data and data management as the industry emerged from the downturn, water has become an important strategic focus for business. Bryan will discuss water management from the business perspective and the increasing ROI opportunities of tracking water data including its acquisition and use through to the possibilities of blockchain

technology. For each phase in the water management lifecycle we'll touch on the type of data generated and how this data can be used for integrated analysis across the business. We'll also discuss how to leverage the data organizations already generate yet are not fully realizing the ROI available due to disconnected systems.

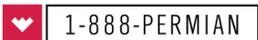
## BRYAN MARLBOROUGH



Bryan is a Business Development Manager for Peloton. He also serves as an advisor on the Board of Directors for the SPE-GCS as well as founder and co-chair of the SPE Investment and Finance Initiative. Prior to his current role, Bryan worked in oil and gas operations and founded multiple eCommerce and technology companies in the USA and overseas. Bryan received an MBA from the Jones School at Rice University.

## EVENT SPONSORS

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## EVENT INFO

### WHEN

Tuesday, January 15, 2019  
11:30am – 1:00pm

### SPEAKER

**Bryan Marlborough**  
*Business Development Manager*  
Peloton

### LOCATION

Norris Conference Center  
9990 Richmond Ave, Suite 102  
Houston, TX 77042

### CONTACT

Samaneh Soroush  
[samaneh1360@hotmail.com](mailto:samaneh1360@hotmail.com)

**REGISTER ONLINE**

**RESERVOIR****Perspectives on Engineering Due Diligence and Technical Evaluation by Reserve-Based Capital Providers**

While all reserve-based capital providers analyze oil and gas assets in an in-depth manner, the scope and focus of their engineering analyses have certain fundamental differences. These differences arise from a variety of factors, including the risk appetite, the return

expectation, and the legal and cash flow protection available in the deal. The speaker discusses his perspectives on due diligence and technical analysis for reserve-based lending, mezzanine lending, private equity, and structured finance.

**MANOJ DEVASHISH, P.E.**

Manoj Devashish is a Director in Citigroup's Global Energy Finance Group. He has over 27 years of experience in petroleum engineering and corporate and investment banking. Manoj is a registered Professional Engineer in Texas and an active member of SPE and SPPE. Manoj earned a bachelor's degree from Indian Institute of Technology, a master's degree from Stanford University, and an MBA from Vanderbilt University.

EVENT SPONSOR

**RESERVOIR****The Bigger SPE!**

Learnings from three years of circling the globe and concentrating on the medium and small sections. Why the future of SPE

as a global organization is bright, and why I don't fear the future of volunteerism.

**DARCY W. SPADY**

Spady has an extensive background in the natural gas, oil, and heavy oil segments of the industry. He is an active board member and technical advisor, currently serving as Chair of Green Imaging Technologies (MRI core analysis), MNP Petroleum and as a technical advisor to HEAL systems. His experience includes working for Schlumberger across North America in its wireline and pressure pumping segments, as well as with the Columbia Natural Resources/Triana Energy Group in the Appalachians, Atlantic

Canada, and internationally. He has also served as the CEO of Contact Exploration, and more recently as head of sales for Sanjel Corporation.

**EVENT INFO****WHEN**

Wednesday, January 9, 2019  
11:00am – 1:00pm

**SPEAKER**

Manoj Devashish, P.E.  
Director, Citigroup

**LOCATION**

Petroleum Club of Houston  
1201 Louisiana Street, 35th floor,  
Houston, TX 77002

**CONTACT**

Karin Gonzalez  
[karin.gonzalez@chevron.com](mailto:karin.gonzalez@chevron.com)

**REGISTER ONLINE****EVENT INFO****WHEN**

Tuesday, January 15, 2019  
11:30am – 1:00pm

**SPEAKER**

Darcy W. Spady  
Managing Director, Broadview Energy  
2018 SPE International President

**LOCATION**

Fleming's Prime Steakhouse  
2405 West Alabama St  
Houston, TX 77098

**CONTACT**

Karin Gonzalez  
[karin.gonzalez@chevron.com](mailto:karin.gonzalez@chevron.com)

**REGISTER ONLINE**

## WESTSIDE

## Plugless Completion Techniques and Evaluation in Unconventional Gas Shales

This presentation will showcase two case histories of multi-cluster perforated horizontal gas wells completed without frac plugs. Different methods for completing the wells without frac plugs were tested and compared to one another using completion diagnostics, including

proppant tracers, gas tracers and surface treating pressures and rates to quickly and accurately determine which method performed best. The wells completed without frac plugs produced comparably or even better than nearby plug-and-perf completed offsets.

### CHRIS SQUIRES



The Drake Well

Chris Squires is the Regional Engineering Advisor for ProTechnics in Pittsburgh. His work focuses on assisting oil, gas, storage and injection well operators in analyzing projects designed with proppant, water, gas and oil tracers. Chris graduated from Penn State with a BS degree in mechanical engineering. Prior to joining ProTechnics, Chris was the Senior Completions Engineer for Consol Energy in Pittsburgh.

### EVENT INFO

#### WHEN

Wednesday, January 16, 2019  
11:30am – 1:00pm

#### SPEAKER

**Chris Squires**  
Regional Engineering Advisor  
ProTechnics Division of Core  
Laboratories

#### LOCATION

Norris Center – Westchase  
9990 Richmond Ave Ste 102  
Houston, TX 77042

#### CONTACT

Bharath Rajappa - 832-486-3122  
[bharath.rajappa@conocophillips.com](mailto:bharath.rajappa@conocophillips.com)

**REGISTER ONLINE**

## THE DISTINGUISHED LECTURER NOMINATION SEASON FOR 2020-21 IS NOW OPEN

Have you seen an exciting lecture on a topic relevant to the E&P industry? Was the speaker a leader in their field and an outstanding public speaker? If so, help us identify the best lecturers for your region and discipline for the 2020-21 SPE Distinguished Lecturer season by nominating them for the SPE Distinguished Lecturer program.

- [Find out more](#) about this exciting program.
- Review the [nomination procedures](#).

**NOMINATE A COLLEAGUE**

Submit your nomination by 15 March!

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LECTURER™

## HSSE & SR

# Addressing Logistical Challenges to Safety Performance & Operations Continuity

Through communication, collaboration, and continuous improvement, HES concerns with suppliers and contractors can be reduced. To address these safety concerns, Marathon Oil has continuously engaged with suppliers to better understand their capabilities, safety culture, and training programs in order to

communicate expectations and improve the business relationship. This discussion will highlight the programs and processes Marathon has deployed to improve and reduce HES risks with suppliers that provide water hauling, vacuum truck services, and produced water and salt water disposal.

## STACEY WALES



Stacey Wales is the Global Supply Chain Water Category Manager for Marathon Oil's Southern Assets, focusing on process improvements in water initiatives and supporting onboarding, training, and compliance with water-related suppliers. She has worked with HES to develop and roll out the Safety Leadership Engagement programs and policies. She has a BS in Wildlife Resources from University of Idaho.

Vehicle crashes continue to be a leading cause of fatalities in the oil and gas industry. IOGP data shows Land Transportation Safety as a key area of concern, and within the US it is one of the major causes of occupational fatalities. To address this, industry organizations such as the IOGP, and standards and

research bodies such as ANSI and NIOSH, have developed guidance on road safety programs. This discussion will highlight some of the areas that every company with vehicles and drivers should be reviewing for opportunities to improve their risk management activities.

## TOM KNODE



Tom Knode, SPE, is a Principal Consultant with vPSI Group, LLC, in Houston. He previously worked for Athlon Solutions, Statoil, and Halliburton, where he was the Director of HSE Standards and Performance, including land transportation safety. Knode was the SPE HSSE-SR Technical Director from 2008-2011 and co-chaired five SPE HSE conferences. He has a BS in Geology from TCU and an MS in Geology from UT Arlington.

## EVENT SPONSORS



## EVENT INFO

### WHEN

Thursday, January 17, 2019  
11:00am – 2:00pm  
11:00am - Lunch  
11:30am - Event Begins

### SPEAKERS

**Stacey Wales**  
*Category Manager – Supply Chain*  
Marathon Oil

**Tom Knode**  
*Principal Consultant*  
vPSI Group

### LOCATION

**Marathon Oil**  
Conference Center Rm P1021  
5555 San Felipe  
Houston, Texas 77056

### CONTACT

**Angelo Pinheiro** - 713-296-3820  
[abpinheiro@marathonoil.com](mailto:abpinheiro@marathonoil.com)

**REGISTER ONLINE**

**DATA ANALYTICS****Data Analytics Seminar: Seismic Applications of Machine Learning**

Generative adversarial networks (GANs) are a class of machine learning techniques that involve two networks trained simultaneously to generate a desired outcome. These schemes have had success in many traditional image processing tasks, such as style transfer and super-resolution, but are relatively unexplored in geophysics. We outline the underlying theory behind GANs and present networks that can perform traditional seismic processing tasks such as noise attenuation and trace interpolation.

Salt interpretation is one of the most time consuming, labor intensive and difficult to automate processes in the entire depth imaging workflow requiring significant human effort. We introduce a U-shaped encoder-decoder type Convolutional Neural Network architecture and use a specialized regularization strategy aimed at reducing the generalization errors. Our regularization scheme perturbs the ground truth labels in the training set. The robustness of our training strategy is demonstrated with real data from the Gulf of Mexico.

**STEPHEN ALWON**

Stephen Alwon is a Geophysicist at Schlumberger with over 10 years' experience in seismic imaging. He has been involved with all aspects of seismic data work, from acquisition and processing to model building and imaging. Although his primary work focuses on model building and imaging, he has recently begun exploring various ways machine learning can impact the geosciences.

**SRIBHARATH KAINKARYAM**

Sribharath (Sri) Kainkaryam is a data scientist with TGS. He works on applications of deep learning and machine learning problems in seismic imaging and petrophysics. He has a background in seismic imaging research, having worked as a research scientist for Schlumberger on seismic imaging and velocity model building.

**EVENT INFO****WHEN**

Wednesday, January 23, 2019  
6:00pm – 7:30pm

**SPEAKERS**

Stephen Alwon  
*Geophysicist*  
Schlumberger

Sribharath Kainkaryam  
*Data Scientist*  
TGS

**LOCATION**

Intelie - Rignet Office  
15115 Park Row Dr. Ste 300  
Houston, Texas 77084

**CONTACT**

832-212-0042  
[andreslanda@gmail.com](mailto:andreslanda@gmail.com)

**REGISTER ONLINE**

**MEMBERS IN TRANSITION (MIT)****Applied Subsurface Geological Mapping**

This course covers both fundamental and advanced methods of subsurface mapping used by proficient exploration and development geoscientists, and an introduction to recent advances in interpretation. Mapping techniques, examples and exercises for extensional and compressional tectonic settings are part of the course. Diapiric and strike-slip faulted structures are discussed. Volumetric mapping is presented, and numerous pitfalls in reservoir volume determinations using isochore maps.

This course provides applied, hands-on knowledge required to generate sound subsurface maps. Subsurface geologic maps are the most important and widely used documents in petroleum exploration and development. Geoscientists and engineers must understand and be able to efficiently and accurately generate many types of subsurface maps.

The training covers fundamental principles and methods that underlie accurately constructed subsurface maps, whether the data source is seismic interpretation, well log correlation or both. Participants will receive the Applied Subsurface Geological Mapping with Structural Methods textbook and a lab manual.

**REGISTRATION INSTRUCTIONS:**

- If you would like to attend, please RSVP first using the link below.
- Your employment status will be verified after receipt of your RSVP. We will review your resume to verify you're either unemployed or underemployed while in job transition, and that you have university degree(s) in either geoscience or engineering.
- You will then receive an email with our special discount code to receive the 94% off discount price.
- Registration will be confirmed upon receipt of the \$200 course fee.
- No refunds of registration fees will be granted for participants who cancel after Jan. 1, 2019.

**EVENT SPONSOR****EVENT INFO****WHEN**

Monday – Friday,  
January 14-18, 2019  
8:00am – 5:00pm

**SPEAKER**

Jim Brenneke  
SCA Instructor

**LOCATION**

Subsurface Consultants &  
Associates, LLC  
10700 Richmond Ave. #325  
Houston, TX 77042

**CONTACT**

Susan Howes - 713-789-2444  
[showes@scacompanies.com](mailto:showes@scacompanies.com)

**REGISTER ONLINE**

## CONTINUING EDUCATION

### Introduction to Managed Pressure Drilling

Managed pressure drilling (MPD) provides an active approach to well control. Unlike passive control methods, MPD operations use a closed-loop system that helps to determine the downhole pressure limits and manage the annular pressure profile accordingly. As a result, you can learn how to enhance primary well control, verify downhole barriers in real time, and even automatically react to influxes and losses.

#### HARSHAD PATIL

Harshad Patil is a Sr. MPD Engineer working for Weatherford International Ltd. Harshad started his oilfield career in 2004 after completing his MS in petroleum engineering at LSU and has since worked for several companies including Hess Corporation, Schlumberger, Smith International and Weatherford. Harshad started specializing in MPD with @Balance in 2010 as a rig-site MPD supervisor/engineer, and he oversaw many MPD jobs in the Gulf of Mexico and internationally.

#### MAURIZIO ARNONE

Maurizio also holds a bachelor's and master's in mechanical engineering and has more than 25 technical publications.

## EVENT INFO

### WHEN

Thursday, January 17, 2019  
9:00am – 4:30pm

### SPEAKERS

Harshad Patil, Sr. MPD Engineer  
Weatherford International Ltd.

Maurizio Arnone, Sr. MPD Engineer  
Weatherford International Ltd.

### LOCATION

Newpark Drilling Fluids Office  
21920 Merchants Way, Katy, TX 77449

### CONTACT

Mike Redburn - 307-214-7518  
[mredburn@newpark.com](mailto:mredburn@newpark.com)

### EVENT PRICING

Members/Non-Member: \$275/\$300  
Students/MiT/Retired SPE: \$100



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**REGISTER ONLINE**

## CONTINUING EDUCATION

### Two-Day Learning Tutorial: Tubular Training Course

This two-day course covers the relevant subjects required to understand the structural mechanics of downhole tubular design. Material aspects, connection selection, performance properties, load cases and design factors are just a few of the many topics that are covered. Participants are encouraged to bring in casing designs from the past and present to use as in-class examples for calculation and discussion. A special emphasis on horizontal aspects will be included.

#### PETER ERPELDING, P.E.



Peter Erpelding, P.E. is a consulting engineer for Viking Engineering and specializes in mechanical and thermal analysis of drilling and completion equipment. Mr. Erpelding is heavily involved in engineering projects involving deep water, high pressure, high temperature, and highly corrosive reservoirs. He has an additional seven years of teaching experience in the fields of Reactor Physics, Thermodynamics, and Heat Transfer. He has served on the faculty of the U.S. Naval Academy, U.S. Naval Nuclear Power School, and

Johns Hopkins University.

#### EVENT INFO

##### WHEN

Thursday, January 24, 2019  
8:15am – 4:30pm

##### SPEAKER

Peter Erpelding, P.E.  
*Tubular Design & Training Team Lead*  
Viking Engineering

##### LOCATION

Newpark Drilling Fluids Office  
21920 Merchants Way, Katy, TX 77449

##### CONTACT

Mike Redburn - 307-214-7518  
[mredburn@newpark.com](mailto:mredburn@newpark.com)

##### EVENT PRICING

Members/Non-Members: \$1400/\$1500

**REGISTER ONLINE**

## SCHOLARSHIP

### Gulf Coast Section Annual Scholarship for 2019-2020 Academic Year



The Society of Petroleum Engineers Gulf Coast Section has been supporting education for more than 50 years, providing college scholarships for students interested in math, science, and engineering degrees, giving out more than \$5 million in scholarships.

The key objective of our scholarship program is to increase interest in the oil and gas industry among graduating high school seniors and to help retain college students currently enrolled in petroleum-related academic disciplines. Additionally, the SPE-GCS collaborates with Communities in Schools – Houston (CISH) to help at-risk students in the Greater Houston area attend college. Former recipients of our SPE scholarships have gone on to have successful careers in oil and gas and other industries, and some now hold key executive positions in internationally reputed firms.

#### To apply for the SPE Gulf Coast Section Annual Scholarship you must:

- Be a graduating high school senior,
- Be planning to study science or engineering as a freshman in college next year
- Have a permanent address in one of the 29 counties in the Gulf Coast Section
- Be a US Citizen or Permanent Resident

New applications are being accepted now through February 21, 2019, for the 2019-2020 academic year.

If you or someone you know may be interested in applying for this scholarship, please visit the Scholarship website to apply online:  
<https://www.spegcs.org/committees/scholarship-internship/>

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# WHERE ARE THEY NOW?

## Past Scholarship Winner: Robin H. (Keith) Fielder, PE

The Scholarship Committee conducted a survey of past recipients of the SPE-GCS scholarship. If you're considering donating to the SPE-GCS scholarship fund or hiring an SPE-GCS scholarship winner, you'll be glad to know that the program has enjoyed considerable success over the past six decades. Here is Robin H. Fielder's story:

Robin decided to pursue her degree in energy after participating in a summer internship afforded her as a winner of an SPE-GCS scholarship after high school. Some of her favorite memories of college include Petroleum Department camaraderie: playing dominos in the student lounge, study groups, field trips, and tailgate parties. Fielder served as SPE Student Secretary for the TAMU Chapter in 2001-02.

After three additional summer internships, Fielder began her career in 2002 with Anadarko. In November 2018 she was named Senior Vice President, Midstream and President of the Western Gas partnerships, where she will also serve on the board of directors and become CEO, effective January 2019.

Fielder is a registered professional engineer in the state of Texas with midstream, upstream and financial experience. She previously served as Vice President, Investor Relations, Midstream Corporate Planning Manager and a number of other roles of increasing responsibility including General Manager of Carthage, Worldwide Operations Business Advisor and various exploration and operations engineering positions in both the US onshore and the deepwater Gulf of Mexico.

Outside of the office, Fielder serves as co-chair for The Woodlands/North Houston chapter of the Greater Houston Women's Chamber of Commerce, and is a member of the executive leadership team for the March for Babies.

Fielder is also a proud seven-year breast cancer survivor, wife of more than 16 years, and the mother of two school-aged boys. Her advice for students is to be proactive with your career by seeking, and being open to, new opportunities that allow you to learn, connect, and develop.



### CAREER OVERVIEW

**Senior Vice President, Midstream Anadarko Petroleum Corp. President, Western Gas Partners, LP**

- Deer Park High School – 1998
- Texas A&M University – College Station, B.S., Petroleum Engineering, – 2002



CONTRIBUTE TO THE SPE-GCS SCHOLARSHIP FUND TODAY!

DONATE

## MEMBERS IN TRANSITION (MIT)

### Joint Meeting with SPE Petro-Tech Study Group

The SPE Members in Transition Seminar Series is designed to include a selection of topics of interest to SPE members who are transitioning in between jobs during the current industry downturn or who are looking for new career opportunities.

#### PROGRAM 1

##### 2018 Petroleum Resources Management System

The 2018 PRMS update is an evolutionary progression that maintains the foundation principles contained in the 2007 PRMS. The update addressed many of the clarification points that have been collected over the years and reflects the public comments received as well. The presentation will cover many of the clarifications and updates.



##### STEVE MCCANTS

Steve McCants has over 38 years of experience working in various positions of increasing responsibility. He is currently the Head of Reservoir Engineering at CC Energy Service Inc. Steve has a BS in Industrial Engineering and is a member of SPE, serving in many positions in the Gulf Coast Section including Chairman, and now serves as the Oil and Gas Reserves Committee Chairman for SPEI.

#### PROGRAM 2

##### Enhancing Your Personal and Professional Brand

Your brand is your overall representation based on behaviors, reputations, aptitude, network, and the uniqueness that differentiates you from others. This interactive seminar will guide attendees through the steps they can take to grow their personal and professional brand so that it can be leveraged for their benefit.



##### KRISTAN CRAPPS

Kristan Crapps is the Employee Network Coordinator in Chevron's Office of Global Diversity, managing global employee network programming and related strategic external partnerships. Kristan is a Certified Public Accountant and holds both master's and bachelor's degrees in business administration from Florida Agricultural and Mechanical University. Kristan is President of Chevron's Black Employee Network and participates in several company related, regional and national leadership initiatives.

#### EVENT INFO

##### WHEN

Friday, January 25, 2019  
10:00am – 3:00pm

##### SPEAKERS

Steve McCants  
*Head of Reservoir Engineering*  
CC Energy Services

Kristan Crapps  
*Employee Network Coordinator*  
Chevron

##### LOCATION

SPE GCS Office  
10777 Westheimer Road, Ste 1075  
Houston, TX 77042

##### CONTACTS

Susan Howes  
713-553-5020  
[c.susan.howes@gmail.com](mailto:c.susan.howes@gmail.com)

Yetunde Okediji  
817-845-5876  
[yetunde.okediji@gmail.com](mailto:yetunde.okediji@gmail.com)

##### EVENT PRICING

Members/Non-Members: \$40/\$50  
Students/MIT/Retired: \$15

[REGISTER ONLINE](#)

## YOUNG PROFESSIONALS

### Houston Marathon 2019: HEB Food Court Volunteering

Please join the SPE Young Professionals group as we volunteer at the Houston Marathon 2019 as part of the HEB Food Court. We will have one group helping to serve runners post-race meals and snacks in the HEB Food Court from 7:00 am to 11:00 am. Be ready to have fun in a great atmosphere!

The Houston Marathon consistently sells out its 27,000 runner spots well before race day, and people from around the country (and the world) come to Houston to participate in this event. As a Race Crew volunteer, you not only represent SPE, but you represent the Houston Marathon!

Bring comfortable shoes (you will walk a lot) and be flexible; you never know when you might be called to volunteer at other activities in RaceFest, the EXPO or hand out cups of water on the course. Please note you must register on the Houston Marathon Volunteer website with our group. Please visit the registration page for more details.

#### EVENT INFO

##### WHEN

Sunday, January 20, 2019  
7:00am - 11:00am

##### LOCATION

George R Brown Convention Center  
1001 Avenida De Las Americas  
Houston, TX 77010

##### CONTACT

Vera Williams  
[speyp.communityoutreach@gmail.com](mailto:speyp.communityoutreach@gmail.com)

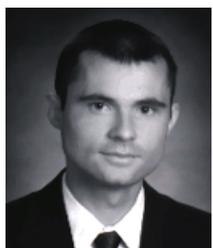
**REGISTER ONLINE**

## YOUNG PROFESSIONALS

### Hydraulic Fracturing Insights from Microseismic Monitoring

Following a basic review of the microseismic monitoring technology and the need for high-quality geophysics when acquiring and processing data, we highlight the pros and cons of one, versus several, monitoring arrays and discuss the notions of sensitivity and vector fidelity, as well as accelerometers versus geophones. We present the results of a few microseismic monitoring campaigns performed in various environments, highlighting the variability of the induced fracture systems to be expected during a stimulation program. We document how the local stress field can vary along a lateral and how perforation strategies can be developed to maximize production. We will also discuss leading-edge approaches to analyze fracture network development and proppant placement.

#### JOËL LE CALVEZ



Joël Le Calvez develops microseismic and borehole seismic products while heading a team of geophysicists, geologists, and stimulation engineers working on plays around the world. His main responsibilities are the processing and interpretation of data for geologic, geophysical and geomechanical applications. He earned a BS degree in mathematics and physics and an MS degree in geology and geophysics from the Université de Nice Sophia Antipolis, France, a Diplôme d'Etudes Approfondies in tectonophysics from the Université Pierre et Marie Curie, Paris; and a PhD in geology from the University of Texas at Austin.

#### EVENT INFO

##### WHEN

Monday, January 28, 2019  
11:30am - 1:30pm

##### SPEAKER

Joël Le Calvez  
*Geophysics Advisor and Microseismic  
Domain Expert, Schlumberger*

##### LOCATION

1600 Smith St  
Houston, TX 77002

##### CONTACTS

Elcin Aktas Osburg - 210-803-2476  
[aktaselc@yahoo.com](mailto:aktaselc@yahoo.com)

Sarath Ketineni - 814-954-2117  
[sarath.ketineni@chevron.com](mailto:sarath.ketineni@chevron.com)

**REGISTER ONLINE**

## CONTINUING EDUCATION

### Polymers and Nanostructured Materials for the Oil & Gas Field

The course will give a firm foundation on the background, structure, properties, and applications of a variety of polymers used for the oil and gas field.

#### DR. RIGOBERTO ADVINCULA



Dr. Rigoberto Advincula is currently Professor of Macromolecular Science & Engineering at Case Western Reserve University. He received his PhD from the University of Florida and has completed post-doctoral research at Stanford University and the Max Planck Institute for Polymer Research. Prior to teaching at Case Western Reserve, Dr. Advincula served as Professor in the Chemistry Department at the University of Houston. His current research includes the design, synthesis, and characterization of polymers and nanostructured materials.

#### EVENT INFO

##### WHEN

Thursday, January 31, 2019  
8:30am - 1:00am

##### SPEAKER

Dr. Rigoberto Advincula, *Professor, Macromolecular Science & Engineering*  
Case Western Reserve University

##### LOCATION

Newpark Drilling Fluids Office  
21920 Merchants Way, Katy, TX 77449

##### CONTACT

Josh Harton - 832-330-5519  
[jharton@newpark.com](mailto:jharton@newpark.com)

##### EVENT PRICING

Members/Non-Members: \$275/\$300  
Students/MiT/Retired SPE: \$100

[REGISTER ONLINE](#)

## YOUNG PROFESSIONALS

### Volunteering at the Beacon



Please join SPE-GCS Young Professionals in their support of The Beacon, a nonprofit organization helping the poor and homeless populations of the Houston area. Since opening in 2007, the Beacon has grown from serving 80 clients per day to serving 600-800 clients daily in four core programs: The Beacon Day Center, Cathedral Clinic at The Beacon, Brigid's Hope at The Beacon, and Cathedral Justice Project at The Beacon. These four programs come together under one roof to provide meals, showers, laundry service, case management, medical and psychiatric care, pro bono legal services and pastoral care. Volunteers will prepare and serve meals and help with the laundry.

If you would like to bring gently used or new items to donate, they would greatly appreciate it.

#### EVENT INFO

##### WHEN

Sunday, February 3, 2019  
10:30am - 2:00pm

##### LOCATION

The Beacon  
1212 Prairie Street  
Houston, TX 77002

##### CONTACT

Sally Ebrahimzadeh  
[speyp.communityoutreach@gmail.com](mailto:speyp.communityoutreach@gmail.com)

[REGISTER ONLINE](#)

## YOUNG PROFESSIONALS

### Volunteering at the Houston Food Bank



Your time is a gift to hungry kids, seniors, and others who may not have enough to eat. Volunteers produce the equivalent of a meal a minute while helping the Houston Food Bank sort, process, and pack food. And it's fun! The SPE-GCS YP Community outreach committee is planning this event. They hope to go and help make a difference while getting to know more people from our industry.

We will be helping out at the warehouse and volunteer projects vary based on need and may include inspecting/sorting food, repacking dry food into family-sized bags, stocking/cleaning the emergency food pantry and more.

Closed-toed shoes and sleeved shirts are required. Please also register with the Houston Food Bank.

**HOUSTON FOOD BANK  
REGISTRATION**

#### EVENT INFO

##### WHEN

Saturday, February 16, 2019  
8:00am - 12:00pm

##### LOCATION

Houston Food Bank  
535 Portwall St  
Houston, TX 77029

##### CONTACT

Sally Ebrahimzadeh  
[speyp.communityoutreach@gmail.com](mailto:speyp.communityoutreach@gmail.com)

**REGISTER ONLINE**



**Gulf Coast Section**

26 March 2019 - Houston, Texas



**UPSTREAM OIL & GAS  
PROFESSIONALS HIRING EVENT**

Trini Mendenhall Community Center 1414 Wirt Rd

**SAVE THE DATE & VISIT US AT:**

<https://spegcs-mit-hiringevent.org/>

## DRILLING

## SPE-GCS Annual Drilling Symposium

The Annual Drilling Symposium is an annual event hosted by the SPE Gulf Coast Section Drilling Study Group designed to disseminate knowledge and technology needed to achieve the many objectives of drilling operations.

- Understanding risk and hazard mitigation
- Real-time monitoring
- Drilling automation
- New technologies driving efficiencies.

This symposium is a great opportunity to network with oil and gas industry professionals in an engaging and dynamic environment. This year's symposium is planned to be a sell-out event and includes well-known experts in the industry presenting the latest technological development and case studies. Please mark your calendar and join the SPE-GCS Drilling Study Group for this event!

7:40– 8:40 am	<b>Coffee and Registration</b>
8:40– 8:45 am	Welcome and Safety Briefing Mojtaba Shahri, Apache Corp., Symposium Chair
8:45– 9:45 am	<b>Keynote Speaker:</b> <i>Robello Samuel (Halliburton):</i> Threading Computers and Engineers into ONE
9:45– 10:00 am	<b>Break</b>
10:00 – 10:30 am	<i>Rob Ratchinsky (Engage Mobilize):</i> A Simple Digital Transformation for Drilling Supply Chain Logistics
10:30– 11:00 am	<i>Cristiano Dannenhauer and Vincent Dumlao (Intelie):</i> Putting Simulation and Machine Learning to Work Together to Optimize Drilling
11:00– 11:30 am	<i>Raju Gandikota (MindMesh):</i> Improving Drilling Reliability with Real-Time Time-Based Models
11:30 am – 1:15 pm	<b>Lunch and Networking</b>
1:15 – 1:45 pm	<i>Theresa Baumgartner (Shell):</i> Using Big Data to Study the Impact of Wellbore Tortuosity on Completion and Production Performance
1:45 – 2:15 pm	<i>Pradeep Ashok (UT Austin RAPID):</i> Spider Bots: Database Enhancing Scripts
2:15 – 2:30 pm	<b>Break</b>
2:30– 3:00 pm	<i>Duane Cuku (Precision Drilling Corporation):</i> Drilling Rig Automation: a Case Study on the Implementation of Automation at the Rig Site
3:00– 3:30 pm	<i>Alamzeb Khan (NOV):</i> The Art of Harsh Environment Electronics
3:30 pm	<b>Wrap-up and Adjournment</b>

## EVENT INFO

## WHEN

Thursday, January 17, 2019  
8:00am – 4:00pm

## LOCATION

Southwestern Energy Office  
10000 Energy Drive  
Spring, TX 77389

## CONTACT

Mojtaba P. Shahri - 713-296-6448  
[mojtaba.shahri@apachecorp.com](mailto:mojtaba.shahri@apachecorp.com)

## EVENT PRICING

Members/Non-Members: \$100/\$125  
Students/MIT/Retired: \$35  
Walk-Ins: \$140

[REGISTER ONLINE](#)

## SPE-GCS WOMEN IN ENERGY (WIN)

### One-Day Congress

You are invited to attend the inaugural SPE-GCS WIN Congress, January 18, 2019.

The inaugural one-day Congress will serve as a forum to encourage both men and women to address gender-gap challenges in the energy industry and identify actions to overcome them.

#### Why should you attend?

The program includes opening key note remarks by **Susan Dio**, Chairman & President, BP America, followed by expert-led discussions that focus on topics such as how to prepare for a board position, negotiating your next role, finding your path in technical or managerial positions, hearing from women in non-traditional career paths or preparing to enter the industry.

This inaugural event promises to be engaging, inspiring and most importantly will ensure you can make your voice heard! Congress deliverables will include results of the survey, and results of real-time polling that will occur during the event. Summaries of fact-finding and published action items will then be presented to help our industry make progress in diversity and inclusion.

#### Join us in support of this global initiative - our diversity is our strength!

Please take this [3-minute survey](#) on gender diversity in the oil and gas industry and let your voice be heard!

#### About SPEi WIN

SPE International launched Women in eNergy (WIN) to promote gender diversity in the upstream oil and gas industry by attracting, retaining, and engaging women in the STEM fields. Our vision is to empower women to realize their full potential in the oil and gas industry. SPE-GCS hopes to carry this vision forward in the first-ever WIN Congress event.

For a preview of the event agenda and a list of speakers & panelists, please visit the registration website on the SPE-GCS website.

For sponsorship opportunities, please email [tanhee@geokimika.com](mailto:tanhee@geokimika.com). For more information, please email [riteja.dutta@drillinginfo.com](mailto:riteja.dutta@drillinginfo.com).

#### THANK YOU TO OUR SPONSORS!

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##### BRONZE SPONSORS



#### EVENT INFO

##### WHEN

Friday, January 18, 2019  
8:00am – 5:00pm

##### LOCATION

Houston Community College  
West Houston Institute  
2811 Hayes Road  
Houston, TX 77082

##### REGISTRATION

Please register in advance, there will be no walk-in registration at the event.

##### EVENT PRICING

Member\*: \$100  
Non-Member\*: \$125  
MiT\*: \$35  
University Student\*\*: \$35

\* Registration includes admittance to the technical sessions, exhibition, and coffee breaks.

\*\* University students must show a valid student ID to register. If you register online, you will be required to show ID on-site.

#### ADVERTISEMENT SPONSORED BY



[REGISTER ONLINE](#)

## BUSINESS DEVELOPMENT

### A&D Symposium

The SPE Gulf Coast Section Business Development Study Group is excited to announce the third annual A&D Symposium to be held January 31, 2018. It will be held in the Petroleum Club of Houston on the 35th floor of Total Plaza.

The A&D Symposium will provide a combination of basin-focused presentations and A&D reviews from different market segments. Basins/regions to be featured include the Delaware, Midland, Eagle Ford, and Rockies. The industry segments will include Minerals/Royalties, Capital Markets, and more. These informative sessions will be moderated by leading industry advisors and acquirors, including Jefferies, BMO Capital, Tudor Pickering Holt, EnergyNet, Citi, and EnerVest. In addition, there will be ample opportunity for networking with over 200 industry peers during the day and a cocktail reception afterwards. The event is open to engineers, finance, land, and other professionals interested in this aspect of our business.

#### EVENT INFO

##### WHEN

Thursday, January 31, 2019  
9:00am – 4:30pm

##### LOCATION

The Petroleum Club of Houston  
1202 Louisiana Street  
Houston, TX 77002

##### CONTACT

Heidi Epstein - 281-415-1154  
[heidi.epstein@energynet.com](mailto:heidi.epstein@energynet.com)

##### EVENT PRICING

Members/Non-Members: \$200/\$250  
Students/MIT/Retired: \$80  
Walk-Ins: \$300  
Maximum capacity: 230 people

[REGISTER ONLINE](#)



# Will Rigs Fly by 2050?

February 27 - 28, 2019

IES INNOVATION & ENTREPRENEURSHIP SYMPOSIUM

 [www.spe.org/ies](http://www.spe.org/ies)

## HSSE&amp;SR

## Oil & Gas Safety Leadership/Culture Workshop

It is widely recognized that organizations with a mature safety culture also are industry leaders in performance, productivity and profitability. Safety culture requires committed leadership and can take years to develop. From then on, it takes good planning, preparation, and perseverance to maintain. This hands-on workshop, led by industry leaders in health, safety, and environment, will provide participants the opportunity to learn how to inspire, motivate and lead for safety and operational excellence.



### EDDIE HILL - How to Motivate and Lead for Operational Excellence

This short presentation will provide some practical considerations and methods for Leading Safety for Operational Excellence. The relationship between effective leadership and the successful

outcomes of any business are easy to correlate. If we can safely execute our work, then we are working with attention to quality. With the proper strategies and effective leadership, safety can lead the way to operational excellence.



### MICHAEL L. BEATON - Shell Trading's Journey to Goal Zero

Michael will share Shell Trading's experience in guiding and influencing third-party HSSE programs to drive improvements in operational excellence. He will delve into what it takes to

develop a proper safety culture and embed the Goal Zero mindset within third party organizations.



### JEFFREY BURRO, GSP - Communicating the Safety Message With Impact at Marathon Oil

It is critical that field leaders have the ability to communicate a safety message with an impact. Whether it be a one-on-one conversations

with a new employee on the jobsite, with a crew during a pre-job meeting, or with a larger audience in a town hall environment – how do you set clear expectations, connect with your audience, and gain commitment moving forward? Jeff will cover the Safety Leadership course curriculum Marathon Oil is using to maximize discretionary effort of personnel on the jobsite, as well as introducing a practical tool for using personal stories to positively influence your organization's safety culture.

## EVENT INFO

## WHEN

Thursday, February 14, 2019  
8:30am – 1:00pm

## SPEAKERS

Eddie Hill

*Safety and Sustainability Leader*  
Equinor

Michael L. Beaton

*North America Crude HSSE Advisor*  
Shell Trading US

Jeffrey Burro

*Project HES Manager*  
Marathon Oil

## LOCATION

Marathon Conference Center  
Room P-1021  
5555 San Felipe  
Houston, TX 77056

## BENEFITTING

SPE Gulf Coast Scholarship Fund  
For sponsorship opportunities  
contact SPE HSSE&SR  
713-494-4105

## EVENT PRICING

Members/Non-Members: \$100/\$125  
Students/MIT/Retired: \$50  
Walk-Ins: \$125  
(each includes lunch and certificate of participation)

## EVENT SPONSORS



## VENUE SPONSOR



REGISTER ONLINE

## YOUNG PROFESSIONALS

# SPE-GCS Inter-Corporate TopGolf Tournament / Networking Event

Registration for the highly anticipated first annual SPE-GCS TopGolf tournament and networking event has is now open! Sign up your team now to take advantage of Early Bird pricing and save some money! Early Bird pricing ends December 31, 2018.

Sponsorship Opportunities available for the first SPE-GCS TopGolf Tournament / Networking Event! [Learn more here.](#)

This magnificent event will be held on Thursday, February 21, 2019 from 5:00pm to 8:00pm. We expect to host 500+ oil and gas professionals from all disciplines and all experience levels in a TopGolf tournament alongside a networking session. **This is the perfect event for your company's next team building event.**

Sponsors will be recognized and prizes will be awarded at a special reception following the tournament!\*

Each team will be comprised of three members. We will start with an hour of registration, networking with dinner and drinks, and free-play. Following that, TopGolf ambassadors will start with the tournament instructions and coordinate scores. The final hour will be a ceremony recognizing our great sponsors and awarding cash-prizes to our winning teams and individuals.

\*For sponsorship and any other queries, please contact YP Board Members Shakti Sehra or Eric Williams.

### EVENT SPONSOR

#### GOLD:

**HALLIBURTON**  
100 YEARS



#### SILVER:



#### BRONZE:



#### MEDIA PARTNER:



### EVENT INFO

#### WHEN

Thursday, February 21, 2019  
5:00pm – 8:00pm

#### LOCATION

TopGolf Katy  
1030 Memorial Brook Blvd  
Houston, TX 77084

#### CONTACTS

Shakti Sehra - 832-274-7594  
[shakti.sehra@ihsmarkit.com](mailto:shakti.sehra@ihsmarkit.com)

Eric Williams - 903-644-6448  
[ericwilliams86@yahoo.com](mailto:ericwilliams86@yahoo.com)

Amanda Block - 614-546-7187  
[amanda.block@bhge.com](mailto:amanda.block@bhge.com)

**SPONSORSHIP  
REGISTRATION**

**REGISTER ONLINE**

## INNOVATE

## SPE Innovation & Entrepreneurship Symposium

Registration is now open for the 2nd annual Innovation and Entrepreneurship Symposium!

The Annual SPE IES is a premier platform that allows young companies to learn from industry experts and gain valuable insights about the Voice of the Customer, starting a business, understanding commercialization in a risk-averse industry, attracting investors, and more.

It takes a village to support innovators and startups commercializing products and services for the oil and gas industry. The SPE IES two-day symposium is the Gulf Coast Section's premier platform for entrepreneurs, investors, E&P operators, oilfield service companies, and academia to support a growing community of innovators.

This year's event will include:

- Eight panel discussions with relevant topics for technology adoption in today's oil and gas environment
- Half-day Shark Tank for selected startups to showcase their ideas to a community of investors
- Networking and learning opportunities for all participants
- Exhibitor space (limited availability)

## EVENT SPONSORS



## EVENT INFO

## WHEN

Wednesday & Thursday  
February 27-28, 2019  
7:30am - 4:30pm

## LOCATION

Marathon Oil Tower  
5555 San Felipe, RM 1020-1023  
Houston, TX 77056

## CONTACT

Chris Reinsvold - 713-299-5293  
[chris.reinsvold@reinsvold.com](mailto:chris.reinsvold@reinsvold.com)

## EVENT PRICING

Member: \$295  
(Early Bird)  
Non-Member: \$395  
(Early Bird)

REGISTER ONLINE



## INNOVATE

# SPE Innovation & Entrepreneurship Symposium – Shark Tank Event

The 2nd annual SPE-GCS oil and gas Shark Tank will be held as part of the SPE-GCS Innovate Committee's Innovation & Entrepreneurship Symposium (IES). Mark your calendars to submit your application. The feeding frenzy will be held on Thursday during the IES event.

### The event format will be as follows:

- Startups must be seeking seed or series A financing round.
- Startups will have 5 minutes to present your company and your funding ask.
- Sharks will have 10 minutes to ask questions and decide if they are in or out.
- "I'm in" means that investor is interested in investing in your startup and will have another meeting with you to discuss further terms and possibly move forward with due diligence.
- "I'm out" means that shark has decided to pass on your startup and will provide an explanation for the decision.
- If selected, we will provide a PowerPoint template that you can use for your pitch. You should only share what you are comfortable with sharing publicly. Sharing the amount you are raising is required to participate in the event.

### Important dates:

- Deadline for application submission is January 18, 2019
- IES Committee will contact the selected companies by February 1, 2019
- Selected companies must submit their final pitch deck to IES by February 15, 2019

### Important notes about the application:

- The applications for the selected companies will be shared with sharks.
- Please only share non-confidential information.
- Be concise, ideal applications won't be more than 2-3 pages.
- Avoid all buzzwords.

### Important Details:

- SEED to Series A investments ONLY offered
- January 18, 2019 - Applications Due
- February 1, 2019 - Selected companies will be contacted
- February 15, 2019 - Pitch deck due to the IES committee

More event details and registration can be found at <https://www.spegcs.org/IES/>, along with information and highlights about last year's nearly sold-out event. Stay tuned for speaker announcements and register early - seating is limited.

## EVENT INFO

### WHEN

Thursday  
February 28, 2019  
1:00pm – 4:00pm

### CONTACT

Chris Reinsvold - 713-299-5293  
[chris.reinsvold@reinsvold.com](mailto:chris.reinsvold@reinsvold.com)

[REGISTER ONLINE](#)

## WESTSIDE

## Technical Seminar: An Operator Exclusive – Unconventional Reservoir Completions

World oil prices have started to sway like a ship on the high seas. This has led to varying decisions made by operating companies in the Lower 48, as companies decide where best to invest for the optimal rate of return. The year 2019 may turn out to be a roller coaster for unconventional reservoirs as spacing and stacking dominate the Permian, Eagle Ford, and Bakken established plays. Does this leave the SCOOP/STACK, Niobrara, and other Lower 48 unconventional plays far behind, or in a race against time?

Come find out what's in store on March 6, 2019. This one-day exclusive technical seminar is designed with operating companies presenting case studies/best practices on key topics in an effort to understand the unconventional puzzle.

Topics to be discussed include, but are not limited to:

- Cluster Efficiency
- Infill Strategies
- Re-Fracture/Parent-Child Fracture Design
- Well Spacing/Stacking
- Data Analytics

## EVENT SPONSORS



## DIGITAL TRANSFORMATION

## Digital Transformation Annual Congress

Tired of impractical theoretical solutions and hollow marketing presentations? Come experience proven digital transformation directly through live product demos and step-by-step case study reviews. Who says energy lags in digital transformation? Come and join us in Houston at the SPE Digital Transformation Study Group Annual Congress on May 10, 2019, at The Westin Houston, Memorial City. This all-day event is focused on providing hands-on practical knowledge on the key trends in digital transformation for the oil & gas industry. There are many dimensions to digital transformation – edge, cloud, software-defined automation systems, AI, mobility, drones, security, and more. The cloud and the edge are working together; machine learning/deep learning and smart sensors are providing new approaches to enable more efficient and effective operations. Who should attend? Decision makers in upstream oil and gas, teams focused on digital transformation, and teams focused on driving improvements across operations.

## EVENT PRICING

## Early Bird

Members: \$100

Non-Members: \$125

Students/MiT/Retired SPE: \$40

## Onsite

Members: \$150

Non-Members: \$200

Students/MiT/Retired SPE: \$50

## EVENT INFO

## WHEN

Wednesday, March 6, 2019  
8:30am – 4:00pm

## LOCATION

Core Laboratories  
6323 Windfern  
Houston, TX 77040

## CONTACTS

Bharath Rajappa - 832-486-3122  
[bharath.rajappa@cop.com](mailto:bharath.rajappa@cop.com)

Buddy Woodroof - 713-516-3784  
[buddy.woodroof@corelab.com](mailto:buddy.woodroof@corelab.com)

Steve Baumgartner - 281-435-0264  
[sbaumgar@swbell.net](mailto:sbaumgar@swbell.net)

## REGISTER ONLINE

Registration opens January 15th

## EVENT INFO

## WHEN

Friday, May 10, 2019  
7:30am - 5:30pm

## LOCATION

The Westin Houston Hotel,  
Memorial City  
945 Gessner Rd, Houston, TX 77024

## CONTACTS

Philippe Flichy  
[philippe.flichy@energyembassy.com](mailto:philippe.flichy@energyembassy.com)

## ONLINE PRICING

Members/Non-Members: \$125/\$150

Students/MiT/Retired SPE: \$40

## REGISTER ONLINE

## GOLF

## 2019 46th Annual SPE Gulf Coast Section Golf Tournament

Now in its 46th year, the annual SPE-GCS golf tournament is one of the section's most important fundraisers. Please join us at the beautiful courses of Kingwood and Deerwood Country Clubs to enjoy a wonderful day of golf in support of SPE-GCS scholarships. These scholarships benefit young engineers embarking on the adventure of an oilfield career.

As always, there will be fabulous door prizes for everyone and a chance to enter a raffle for electronics and United Airlines and Lufthansa flight vouchers. It's all courtesy of our generous sponsors. You will also love the wonderful food provided out on the course by our fabulous oilfield

cook teams. So bring your customers out for the day and treat them to a fun experience they won't forget!

Your support goes directly to funding scholarships for Gulf Coast Section students majoring in petroleum engineering or related fields. We know how tough these times are, but we all know that we still need to attract new talent to this great industry. Every penny made by the golf tournament is invested in the drive to educate more young engineers.

Thank you for your support!  
Gulf Coast Section Golf Committee

### EVENT INFO

#### WHEN

Monday, April 8, 2019  
Morning & Afternoon

#### LOCATION

Kingwood Country Club  
1700 Lake Kingwood  
Kingwood, TX 77339

#### CONTACT

Marc Davis - 713-248-3956  
[golf@spegcs.org](mailto:golf@spegcs.org)

For more information and registration & sponsor forms, please visit [spegcs.org/golf](http://spegcs.org/golf)

**REGISTER ONLINE**

All Proceeds from  
the 46th Annual  
Golf Tournament  
Benefit the SPE-GCS  
Scholarship Fund

**REGISTER TO PLAY**

**BECOME A SPONSOR**



## ELECTRIC SUBMERSIBLE PUMP (ESP) SYMPOSIUM

### Electric Submersible Pump (ESP) Symposium

**REGISTRATION NOW FULLY OPEN!!**

Registration is now open for attendees, continuing education, hotel rooms, Golf Tournament, Sponsorships, and Exhibit space. A limited number of hotel rooms at the special conference rates are available, book yours now!

The Symposium brings ESP technical experts from around the world together - both from operators and manufacturers - to share innovative information and lessons learned pertaining to ESP technology, production, and operations. The symposium offers a strong technical program, a world-class exhibition sharing and demonstrating the newest offerings from manufacturers, and multiple training opportunities dedicated to ESP related equipment and applications.

This unique event is only held once every two years and is one of the very few industry events that is solely dedicated to ESPs. Don't miss this opportunity to learn, network, and see firsthand the latest in ESP technology and industry knowledge.



 **SPE Gulf Coast Section Electric Submersible Pumps Symposium**

13-17 May 2019

The Woodlands Waterway Marriott Hotel & Convention Center

The Woodlands, Texas, USA

#### EVENT INFO

#### WHEN

Monday – Friday  
May 13-17, 2019

#### LOCATION

Marriott Waterway Hotel and Convention Center  
1601 Lake Robbins Dr  
The Woodlands, TX 77380

A limited number of hotel rooms at the special conference rates are available, book yours now!

#### ENDORSORG ORGANIZATION



**EVENT DETAILS**

#### EVENT SPONSORS

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UNIVERSITY of  
**HOUSTON**

## 2019 North America Student Symposium

University of Houston has been selected to host the SPE North American Student Symposium. This event will be held on the University of Houston main campus in early February.



The SPE North American Student Symposium is an annual student conference organized by SPE International students across North America. The Symposium presents an opportunity for students to enhance their knowledge of the oil and gas industry through the insights and experiences of industry leaders and advocates. This event will host students from 38 universities across the North American region. It also provides attendants with a myriad of networking opportunities, as students, faculty, and industry experts from around North America will be participating. The theme for this year's symposium is Enhanced Oil Recovery Across Scales.

### What to Expect at the Symposium:

**Day 1** will consist of the North America Regional Petrobowl Qualifier Event.

**Day 2** includes field trips and an exhibition with networking opportunities.

**Day 3** technical sessions focused on the symposium theme.

### GOLD SPONSORS



### EVENT INFO

#### WHEN

Sunday – Tuesday,  
February 3-5, 2019

#### LOCATION

University of Houston  
4604 Calhoun Rd  
Houston, TX 77204

#### CONTACT

Jill Thomas

[ajth\\_bo538bo976\\_71127@spe.org](mailto:ajth_bo538bo976_71127@spe.org)

#### ONLINE PRICING

Members: \$50

Non-Members: \$55

[BECOME A SPONSOR](#)

[REGISTER ONLINE](#)



## Fall Semester Recap

As our fall semester draws to a close, TAMU SPE is proud to report another successful month of rewarding and fun experiences. We had a Chevron Discussion Series event featuring a presentation of oil and gas price determination strategies, and a lunch-and-learn session with Weir Oil and Gas about production surface equipment. Our first general meeting of the month featured Jeff Nanna, executive director of Tudor Pickering Holt & Co. Our last meeting of the month featured EOG resources. This month's R&D Series Panel event was a session on fiber optics technologies in the oil and gas industry, featuring three industry experts from Halliburton, ConocoPhillips, and Opta Sense.

We also enjoyed tailgates in conjunction with the TAMU chapter of AADE. Our second tailgate of the month was graciously sponsored by Denbury Resources Inc. Our chapter also hosted the sporting clays tournament, a fun social event where we shot clay birds. We also distributed this semester's SPE merchandise, which featured new and fashionable designs. Finally, we look forward to closing out the Fall semester with our Christmas Social and a study break social, sponsored by Hilcorp. TAMU SPE thanks all of our sponsors for making these events possible this semester, and our members for their excellent efforts in organizing all the events. We wish students all the best for the winter break and a joyous holiday season!



## STUDENT CHAPTER DIRECTORY

### HOUSTON COMMUNITY COLLEGE

Iskandar Rahbani: [iskandar.rahbani@gmail.com](mailto:iskandar.rahbani@gmail.com)

### RICE UNIVERSITY

Eric Vavra: [edvi@rice.edu](mailto:edvi@rice.edu)

### TEXAS A&M UNIVERSITY

Magy Avedissian: [magylouise@tamu.edu](mailto:magylouise@tamu.edu)

### UNIVERSITY OF HOUSTON

Nicholas Dunbar: [president.uhspe@gmail.com](mailto:president.uhspe@gmail.com)

### PRAIRIE VIEW A&M

Waaiz Hussaini: [waaizh@comcast.net](mailto:waaizh@comcast.net)

### Young Professionals CYCLE Houston

On December 1, the SPE-GCS Young Professionals (YP) volunteered with CYCLE Houston - Christmas Bicycle Build event. CYCLE Houston envisions every student in the greater Houston area achieving grade-level reading, or above, by the end of third grade. This puts them on the path to success and empowers them to reach their full potential in school and life. CYCLE Houston gives young students the opportunity to earn a bicycle for achieving their set goals, and in return, they learn that hard work equals reward. They believe that learning this lesson can put school children on the path to a brighter future.

On behalf of SPE-GCSYPs and CYCLE Houston, we would like to give big thanks for your commitment of time and energy to this important initiative that made a difference in our community!



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[gabrielle\\_morrow@ryderscott.com](mailto:gabrielle_morrow@ryderscott.com)

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[trey.shaffer@erm.com](mailto:trey.shaffer@erm.com)

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[simeon.eburi@chevron.com](mailto:simeon.eburi@chevron.com)

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Brian Sinosisic  
[bsinosisic@hotmail.com](mailto:bsinosisic@hotmail.com)

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[mredburn@newpark.com](mailto:mredburn@newpark.com)

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[karin.gonzalez@chevron.com](mailto:karin.gonzalez@chevron.com)

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[yulizoo8@comcast.net](mailto:yulizoo8@comcast.net)

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Mohammad Tabatabaei  
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[mtabatabaei@newfield.com](mailto:mtabatabaei@newfield.com)

### MEMBERSHIP

Jessica Assunto  
*Corrosion Resistant Alloys*  
[jbadger@cralloys.com](mailto:jbadger@cralloys.com)

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Bill Davis  
[bdavis0819@gmail.com](mailto:bdavis0819@gmail.com)

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*PetroQuip Energy Services*  
[jgast@petroquip.com](mailto:jgast@petroquip.com)

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[shakti.sehra@ihsmarkit.com](mailto:shakti.sehra@ihsmarkit.com)

### DIRECTORS AT LARGE 2017 – 2019

Marise Mikulis  
[mikulis@energyinnova.com](mailto:mikulis@energyinnova.com)

Nils Kageson-Loe  
[nilskl@yahoo.com](mailto:nilskl@yahoo.com)

Adrian Reed, *Tellurian Inc*  
[adrian.reed@tellurianinc.com](mailto:adrian.reed@tellurianinc.com)

### DIRECTORS AT LARGE 2019 – 2020

Prashant Sainani  
[Prashant.sainani@cibc.com](mailto:Prashant.sainani@cibc.com)

Steve Loving  
*Core Laboratories, Inc.*  
[stephen.loving@corelab.com](mailto:stephen.loving@corelab.com)

Kim Thames Padelletti  
*BHP Billiton*  
[kim.padeletti@gmail.com](mailto:kim.padeletti@gmail.com)

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[pavitra.a.sainani@exxonmobil.com](mailto:pavitra.a.sainani@exxonmobil.com)

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[mdavis@ccpipellc.com](mailto:mdavis@ccpipellc.com)

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[leon.waldner@nexencnooltd.com](mailto:leon.waldner@nexencnooltd.com)

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Yetunde Okediji  
[yetunde.okediji@gmail.com](mailto:yetunde.okediji@gmail.com)

### NEWSLETTER

Jeanne Perdue, *Occidental*  
[jeanne\\_perdue@oxy.com](mailto:jeanne_perdue@oxy.com)

### PUBLICITY

Zafar Kamal  
[szkamal@hotmail.com](mailto:szkamal@hotmail.com)

### SCHOLARSHIP

Eric Robken, *Ashland Global*  
[erobken@ashlandinvest.com](mailto:erobken@ashlandinvest.com)

### SPONSORSHIP

Fabian Vera  
[fevera07@gmail.com](mailto:fevera07@gmail.com)

### SPORTING CLAYS

Prue Smith, *BP*  
[pruee.smith@bp.com](mailto:pruee.smith@bp.com)

### TENNIS

Erin Chang, *BP*  
[erin.chang@bp.com](mailto:erin.chang@bp.com)

### WEB TECHNOLOGY

Lindsey Newsome  
*Newsome Marketing Group*  
[lindseynewsome@gmail.com](mailto:lindseynewsome@gmail.com)

**CISH**

Misael Uribe  
[misaelub@yahoo.com](mailto:misaelub@yahoo.com)

**IN-CLASS TUTORING**

Richard Murphy  
[stancal@windstream.net](mailto:stancal@windstream.net)

**SOCIAL MEDIA**

Davis Scott, Schlumberger  
[daviswsd@gmail.com](mailto:daviswsd@gmail.com)

## Study Group Chairs

**BUSINESS DEVELOPMENT**

Heidi Epstein, IHS Markit  
[heidiepstein@gmail.com](mailto:heidiepstein@gmail.com)

**COMPLETIONS & PRODUCTION**

Reza Safari, Weatherford  
[reza.safari@weatherford.com](mailto:reza.safari@weatherford.com)

**COMPUTATIONAL FLUID DYNAMICS (CFD)**

Madhusuden Agrawal, BP  
[madhusuden.agrawal@bp.com](mailto:madhusuden.agrawal@bp.com)

**DATA ANALYTICS**

Suri Bhat  
[suri\\_bhat@hotmail.com](mailto:suri_bhat@hotmail.com)

**DRILLING**

Mohammed Dooply  
 Schlumberger  
[mdooply@slb.com](mailto:mdooply@slb.com)

**GENERAL MEETING**

Robert Saucedo, SLC Technologies  
[robertsauceado@gmail.com](mailto:robertsauceado@gmail.com)

**INNOVATE**

Mikhail Alekseenko  
[mikhailalekseenko@gmail.com](mailto:mikhailalekseenko@gmail.com)

**HSSE & SOCIAL RESPONSIBILITY**

Angelo Pinheiro, Marathon Oil  
[abpinheiro@marathonoil.com](mailto:abpinheiro@marathonoil.com)

**INTERNATIONAL**

Pablo Perez, Bardasz  
[pablo.perez@bardasz.com](mailto:pablo.perez@bardasz.com)

**NORTHSIDE**

Kelsey Ridpath  
 Southwestern Energy  
[kelsey\\_ridpath@swn.com](mailto:kelsey_ridpath@swn.com)

**PERMIAN BASIN**

Aaron Burton, Unconventional Oil and Gas Training  
[waaronburton@uogtraining.com](mailto:waaronburton@uogtraining.com)

**PETRO-TECH**

Cheryl Collarini  
 Collarini Energy Experts  
[ccollarini@collarini.com](mailto:ccollarini@collarini.com)

**RESEARCH & DEVELOPMENT**

Amit Patil, OneSubsea  
[apatil14@onesubsea.slb.com](mailto:apatil14@onesubsea.slb.com)

**RESERVOIR**

Alexsandra Martinez  
 DeGolyer and MacNaughton  
[adinorah.martinez@gmail.com](mailto:adinorah.martinez@gmail.com)

**WATER & WASTE MANAGEMENT**

Kelly Steinberg, Test America  
[kelly.steinberg@testamericainc.com](mailto:kelly.steinberg@testamericainc.com)

**WESTSIDE**

Bharath Rajappa, ConocoPhillips  
[bharath.rajappa@conocophillips.com](mailto:bharath.rajappa@conocophillips.com)

**WOMEN IN ENERGY (WIN)**

Riteja Dutta, Drilling Info  
[riteja@gmail.com](mailto:riteja@gmail.com)

## Newsletter Committee

**CHAIR**

Jeanne Perdue, Occidental  
[jeanne\\_perdue@oxy.com](mailto:jeanne_perdue@oxy.com)

**AD SALES**

Taylor Wright  
[twright@spe.org](mailto:twright@spe.org)

**BOARD LIAISON**

Karin Gonzalez  
[karin.gonzalez@chevron.com](mailto:karin.gonzalez@chevron.com)

**NEWSLETTER DESIGN**

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[www.designgood.com](http://www.designgood.com)

## SPE-GCS Office

**GULF COAST SECTION ADMINISTRATIVE ASSISTANT**

Taylor Wright  
[twright@spe.org](mailto:twright@spe.org)

**HOURS & LOCATION**

10777 Westheimer Rd. Ste 1075  
 Houston, TX 77042  
 Monday – Friday  
 8:30am to 5:00pm

**CONTACT**

**T** 713 779 9595  
**F** 713 779 4216

For comments, contribution or delivery problems, contact:  
[spe-gcs@spe.org](mailto:spe-gcs@spe.org)

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