



Gulf Coast Section

NOVEMBER  
2017

# CONNECT

SPE GULF COAST SECTION NEWSLETTER



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# CHAIR'S CORNER



**TREY SHAFFER**  
2017 – 2018 SPE-GCS Chair

## HOW WE'RE HELPING AFTER HARVEY

Hurricane Harvey can be traced back to a tropical storm that emerged from the African coast in early August. It formed into Tropical Storm Harvey east of the Lesser Antilles on August 17 and ultimately became a catastrophic flood disaster in southeast Texas. Harvey made landfall as a Category 4 hurricane with winds of 130 mph near Rockport on August 25 and then began to unleash its destruction in South Texas for days as a weakening hurricane and tropical storm. Ultimately, Hurricane Harvey dropped 40-52 inches of rainfall in southeast Texas and southwest Louisiana, and all continental US tropical storm records were broken. Harvey continued its destruction and triggered flash flooding in parts of Arkansas, Kentucky and Tennessee through September 1. Estimates on the volume of water are staggering: Some reports project that as much as 27 trillions of gallons of water were released in the region. The impacts of Hurricane Harvey will be felt in the lives of affected families for years to come. In addition to personal hardship, many businesses were dramatically impacted by Hurricane Harvey.

According to the US Department of Energy (DOE), the storm has significantly impacted the oil and gas sector. As of August 30, the DOE reported that 10 refineries had shut down. DOE reported “323,760 b/d (18.5%) of the oil production and 611.09 MMcf/d (19.0%) of the natural gas production in the federally administered areas of the U.S. Gulf of Mexico was shut-in, according to estimates by the Bureau of Safety and Environmental Enforcement (BSEE).” DOE also indicated that the Texas Railroad Commission estimated that approximately “300,000 to 500,000 b/d of crude production had been shut-in in the Eagle Ford region from a pre-storm production estimate of 870,000 b/d. In addition, approximately 3.0 Bcf/d of natural gas production had been shut-in from a pre-storm production estimate of about 6.0 Bcf/d. The Commission had expected most idled production to come back online...” quickly.

To all of our SPE community affected by Hurricane Harvey, on behalf of the SPE-GCS Board of Directors, we are praying for you and your family's safety and wellbeing as we and the Houston-area communities begin the long recovery process. The spirit of service is alive and thriving in the Gulf Coast Region.

Lisa Li, the SPE-GCS Community Chair, provided an update on the section's volunteer actions. The Community Services team worked quickly to organize volunteer events every weekend at the NRG Center shelter. All told, 75 SPE members volunteered through these and other efforts. We are grateful to everyone who volunteered.

We remain very concerned about our people, our community, and all who have been affected by Hurricane Harvey. Many of you are asking what you can do to help. We have added a “Hurricane Harvey” option to the donations page on our website: [spegcs.org/donations/](http://spegcs.org/donations/). SPE-GCS will dedicate donated funds to community service activities related to Hurricane Harvey recovery. This effort will be led by the SPE-GCS Community Services Committee. The Board of Directors

is drafting a disaster relief policy, and we have begun looking at options for the funds. We will share an update in the coming months.

In the meantime, displaced members are welcome to work out of the SPE offices if you need a personal workspace or a place to conduct a business meeting. To arrange this, please e-mail Taylor Wright at [SPE-GCS@spe.org](mailto:SPE-GCS@spe.org). If we have a significant response to this offer, please note that Taylor will manage the use of the SPE offices on a first come, first served basis.

There will be significant recovery efforts ahead. The stress and financial burden will be real and persistent for some time to come. We wish the best to all SPE Gulf Coast members as you begin the long recovery process.

## SPE Gulf Coast Section Newsletter – Changes Ahead

On September 21, the Board of Directors voted to transition the SPE-GCS newsletter to a digital format. Beginning January 1, 2018, the newsletter will no longer be mailed in a printed format but will be distributed in an electronic format.

Based on a 2017 survey, our members embrace the transition to digital: 48% prefer digital, and 31% prefer digital and printed. Nearly 80% of members support a digital newsletter.

During the 2017-2018 year, about \$190,000 is budgeted to publish and mail 11 newsletters. Approximately 60% of the budget is allocated for printing and mailing costs. With the industry downturn, the section has been unable to maintain the level of advertising we enjoyed before 2014. If we don't make this change, we expect that revenue will no longer support the newsletter production costs at the end of the 2017-2018 year. The transition to digital will significantly reduce costs. Put in terms of investment in scholarships, the annual savings would translate to nearly 60 \$2,000 scholarships.

Special thanks to Karin Gonzalez, Newsletter Editor, and Lisa Li, the SPE-GCS Community Services Chair, whose reports to the Board of Directors were used to supplement this update.

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# SPE-GCS VOLUNTEER SPOTLIGHT

This month the SPE Gulf Coast Section is excited to feature Angelo Pinheiro and Bharath Rajappa as Volunteers of the Month.



## BHARATH RAJAPPA

**B**harath Rajappa is the Sponsorship Lead for the Westside Study Group. He has held this position since 2013.

Bharath has been involved with SPE since his graduate school days at Colorado School of Mines. He held positions including Newsletter Editor, Treasurer, and Vice Chair in the Denver SPE chapter from 2005-2011 during his early career with Baker Hughes. This motivated him to continue volunteering with SPE. Bharath has also served as a committee member for the SPE ATW workshops.

Bharath graduated from the Colorado School of Mines with an MS in petroleum engineering in 2000. He works for ConocoPhillips in the Rockies-Bakken asset as a Staff Completion Engineer. His duties include preparing completion procedures, fracture stimulation design and analysis, site visits, and learning new facets of completion technology in unconventional plays.

Several things motivate Bharath to volunteer with SPE. He says that this organization makes it easy to make new friends outside your current daily responsibilities. He noticed that the kinship/comraderery among fellow officers, who usually are from varied disciplines, brings together a unique skill set to promote the ethos of SPE.

SPE is “the best way to improve one’s networking skills, learn from industry leaders, and pass on to peers and the younger generation,” he says.



## ANGELO PINHEIRO

**A**ngelo Pinheiro is a Senior HES Professional at Marathon Oil Corporation, where he wears several hats, including SME/author of several corporate safety standards, Contractor Safety Coordinator, and designated HES point of contact for the Worldwide Offshore Drilling and Completions, Crude Oil Marketing, and Aviation organizations. Last August, he completed a five-year gig as Project HES Manager of Marathon Equatorial Guinea’s Alba B3 EPIC offshore gas compression platform.

Angelo got involved with SPE after he moved to Houston from Canada. Trey Shaffer, GCS Chair, facilitated his entry to the HSSE&SR Study Group.

Angelo chairs the HSSE&SR Study Group and was previously Program Chair. Over the past eight years, he has participated in numerous events as a volunteer or speaker, including SPE annual conferences, workshops, high school STEM outreaches, and collaborations with other study groups. He has been an author and a technical editor/peer reviewer of SPE publications. Angelo received the 2011 GCS HSSE&SR regional award.

Angelo’s key motivation is to maintain, through the HSSE&SR Study Group, a platform for HSE professionals (and anyone else interested in making the workplace safer) to network and discuss issues. He enjoys building relationships with peers and the opportunity to mentor new entrants and students contemplating a career in the industry.

Angelo graduated with an MS in technology management (safety management track) from Texas A&M University – Commerce and holds a B.Tech (applied science - environmental) from Memorial University in Newfoundland, Canada. He holds the CSP, CRSP, CPEA, and CPSA board certifications in his field.

**THANK YOU BOTH FOR ALL THAT YOU DO FOR SPE!**

## STUDY GROUP PRICING

unless specified separately in the registration website

### MEMBERS

\$40/\$55 Walk-In

### NON-MEMBERS

\$55

### STUDENTS/MIT/RETIRED SPE

\$15

## BOARD OF DIRECTORS MEETING

THURSDAY, NOVEMBER 16

7:30 TO 10:30 AM

HOUSTON SPE OFFICE

# THEN & NOW

COLUMN BY BUDDY WOODROOF

## NOVEMBER 1967

With five rigs working offshore Australia and plans to expand to 10 rigs next year, the country that had its first offshore strike in 1965 is fast becoming a significant offshore player.

New drilling advances are moving out of the research lab and into the field, including rigs sized for 13,000-foot wells, very fast (+/- 4,000 ft/hr) trip rates, and push-button operator's consoles.

The first synthetic crude from Alberta's Athabasca tar sands is scheduled to reach the refinery this month – a great pioneering oil effort that will begin to bear fruit.

**US rig count – 1,199**

## NOVEMBER 1977

With its crude and gas liquids output nearing 1.2 million b/d and rising, Pemex is shopping for deals with foreign refiners to refine their crude into gasoline and lube oils for a fee under the marketing name Toltec. (Anyone recall that product line?)

Wichita Falls' favorite son, the diminutive Sen. John Tower, finally pries loose a draft copy of the DOE report showing the earnings of 40 oil companies and the apparent adequacies, or lack thereof, of incentives in place for domestic oil and gas production.

**US rig count – 2,111**

## NOVEMBER 1997

As deepwater activity ramps up, industry executives report the danger of missing E&P targets due to hiring bans and layoffs of offshore personnel that have been in effect since the late '80s.

Four Houston-based Union Texas Petroleum employees—there to perform a routine accounting and auditing assignment—are gunned down en route to UTP's office in Karachi, Pakistan, reportedly as a reprisal for a US court's conviction of a Pakistan man for the killing of two CIA employees in 1993.

**Light sweet crude – \$20.91/bbl**  
**Natural gas – \$3.51/MMbtu**  
**US rig count – 1,017**

## THE REST OF THE YARN

This month we continue our look back at the rise and fall of wildcatter Glenn McCarthy, as he has his first contact with M.D. Anderson's attorney Leon Jaworsky.

**J**aworsky drove deep into the pines to locate Anderson's drill site, and what he observed when he arrived fired the McCarthy legend. When Jaworsky arrived, he found Anderson in his usual spot in the rear of his Cadillac. He was ashen-faced, visibly shaken, and sputtering disjointed sentences, as if he had witnessed some horrifying spectacle. After gathering himself, Anderson related that he had just experienced a "miracle."

The "miracle" he referred to involved a derrick platform some 50 feet above the ground, which collapsed and sent Glenn, his brother Bill, and another worker falling toward the ground below. As the three men fell, Glenn grabbed a cross-iron, and the other two grabbed him. His brother clung to Glenn's waist and the third man to his leg. Glenn not only held himself and the two others securely, but he then maneuvered all three to the ground. McCarthy suffered friction burns on both hands as he slid down the derrick to safety. Otherwise, they were all uninjured. Even though McCarthy seldom brought up the incident, Anderson and those who witnessed it repeated the story until it became a part of McCarthy lore.

Next month, McCarthy realizes that he will never become wealthy unless he works for himself.

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 November 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).

## NOVEMBER QUIZ

In the late 1960s, there were three things driving a renewed interest in offshore Texas, including all but which ONE of the following:

1) new tools to enable better seismic information; 2) deeper water drilling; 3) some huge structures had been found; 4) the conclusion that the onshore pattern of parallel producing trends extends offshore.

### ANSWER TO OCTOBER'S QUIZ

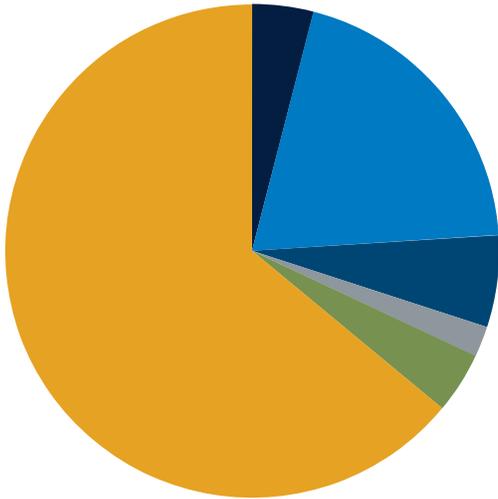
*The former midsize independent that made its way into the big leagues in late 1997 by acquiring \$252 million worth of Amoco's producing properties in the San Juan Basin of northwestern New Mexico was Cross Timbers.*

*No winner for September Quiz.*

# SPE-GCS MEMBERSHIP REPORT

## THROUGH JULY 2017

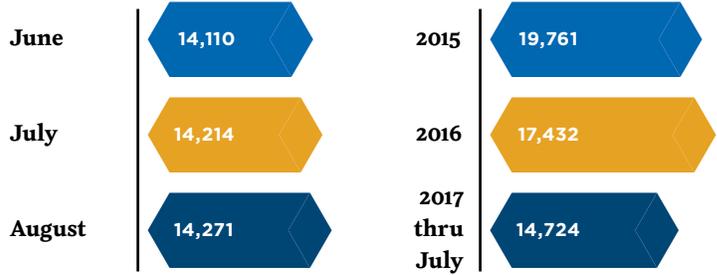
### TOTAL SPE-GCS MEMBERSHIPS



**PROF RENEWED** 12,071      **STUDENTS RENEWED** 1,322  
**PROF NEW** 903              **STUDENTS NEW** 428  
**PROF LAPSED** 3,747        **STUDENTS LAPSED** 566

**DON'T MISS OUT**  
**RENEW YOUR DUES TODAY!**

### CURRENT MEMBERSHIP TRENDS



### STUDENT MEMBERSHIPS

STUDENTS	RENEWED	NEW	TOTAL*
HCC	34	17	51
Prairie View	16	7	23
Rice	64	65	129
Texas A&M	830	232	1062
UH	353	99	452
Unassigned	25	8	33
<b>TOTALS</b>	<b>1322</b>	<b>428</b>	<b>1750</b>

\*This value does not reflect lapsed student memberships

### WORTHWHILE CONVERSATIONS

#### WHAT ABOUT THOSE RETIREMENT "RULES OF THUMB?"

**HAROLD:** How important is it to be debt-free when you retire?

**CAROLYN:** Being debt-free at retirement is popular advice today on radio talk shows and internet blogs. However, it is not a one-size-fits-all approach. Not all debt is created equal, so be careful about following these "rules of thumb."

**HAROLD:** Are you saying there is "good" debt and "bad" debt?

**CAROLYN:** Yes, that is accurate. If you are making multiple minimum payments on credit card balances, you probably need a new plan. That is likely "bad" debt. Making early principal payments on a low rate, fixed interest mortgage so it will be retired on your 65th birthday is not always the best choice. That mortgage might actually be "good" debt.

**HAROLD:** How do you know the difference?

**CAROLYN:** Each situation is different. We recently met a couple in our office who came in with a very strong motivation to pay off the remaining 6-figure balance on their mortgage, since the husband is

retiring at year-end. Our analysts modeled their individual numbers, considering their income tax position and other assets. Our advice was to leave the mortgage alone and continue to make the regular payments. Considering income tax effects and long-term portfolio effects, their long-run financial position was likely to be better keeping the mortgage. They never imagined that the projected long-run improvement in their outcome could be greater than the amount needed to pay off the mortgage today.

**HAROLD:** So the answer is keep your mortgage and pay off everything else?

**CAROLYN:** No, that would be another "rule of thumb." The real solution is to get individually tailored advice from a firm committed to the fiduciary standard, with no particular axe to grind -- ideally, a firm with all the professionals needed to fully address this -- CPAs, CFP® practitioners, and CFA® charterholders. At Linscomb & Williams, we have that team and have been helping clients with questions like this for 46 years. We are ready to talk and can meet you at our offices in the Galleria or The Woodlands.



Carolyn Galfione discusses issues of debt planning with J. Harold Williams. (Left to right: J. Harold Williams, CPA/PFS, CFP®; Carolyn Galfione, CPA, CFP®)

For more information, or a copy of our Form ADV, Part II, with all of our disclosures, call Harold Williams at 713 840 1000 or visit [www.linscomb-williams.com](http://www.linscomb-williams.com).

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Linscomb & Williams is not an accounting firm.



Thursday 11.2.17

11:30 AM - 1:00 PM

**SPEAKER**

James Hebert  
Director of Operations and  
Technology Support  
Diamond Offshore

**LOCATION**

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

**EVENT CONTACT**

Kitty Harvey  
kharvey4@cameron.slb.com

## RESEARCH & DEVELOPMENT

### The Floating Factory Concept: Engineering Efficiencies Up Front to Reduce Deepwater Well Delivery Costs

Deepwater drilling needs to become much more efficient. Since well delivery cost is a major component of deepwater projects, a 20% reduction in well delivery cost may pull deepwater projects back over the economic threshold. However, sustainability requires looking beyond day-rate reductions and focusing on technology and innovation to drive down the well delivery duration and cost.

This presentation introduces the next generation drillship, featuring a factorylike approach to well construction, grounded with input from operators and third-party service providers. The design combines improved safety with automation and robotics to reduce bottlenecks and minimize controllable flat time for the entire well life cycle that will reduce the well duration and cost by 15% to 30%.

#### JAMES HEBERT

James Hebert is Diamond Offshore Drilling's Director of Operations and Technology Support. He is also a Steering Committee Member on the Floating Factory Project. Hebert has worked for Diamond for 33 years in operational and technical roles worldwide. He graduated from Louisiana Tech University with a BS in petroleum engineering in 1984.

The author examines a distinctive vessel layout, a reorganized drill floor, a new design of hoisting system, independent mud and brine systems with 11,000-bbl and 17,000-bbl capacities with off-line tank cleaning, and a unique power distribution network to improve both thruster availability and allow maintenance while operating in an open bus configuration.



Thursday 11.9.17

11:30 AM - 1:00 PM

**SPEAKER**

Steve Crower  
Director, Energy  
SDR Ventures

**LOCATION**

The Petroleum Club of Houston  
1201 Louisiana St, 35th Floor  
Houston, TX 77002

**EVENT CONTACT**

Lauren Matthews  
lauren.l.matthews@gmail.com

## GENERAL MEETING

### Production to Refining to Terminalling

Exports of refined products have increased by 270% in the past nine years as the domestic consumption of refined crude products has declined and domestic crude production has increased. This presentation will provide an overview of:

- Crude production vs. imports
- Prices, price differentials, and their implication
- US shale oil and gas as a game changer
- Refining market dynamics
- Petroleum storage analysis
- Crude transportation
- Financial analysis
- Refinery to terminal conversion

Substantial investments in downstream processing were made in processing before the recent US light crude production boom. The result was US refiners being well positioned to process a broad range of crudes. This refining flexibility has sustained export opportunities and profitability.

#### STEVE CROWER



Steve Crower has over 20 years of operational and financial experience focused on the energy industry. With SDR, he provides M&A advisory services to all sectors of the energy industry. His previous experience includes operations and financial roles at FMC Technologies and Network International. Crower serves as an adjunct professor at the University of Colorado at Denver. He graduated with a BS in civil engineering from the University of Michigan and has an MBA concentrating in finance from Rice University.

## RESERVOIR

### Application of a Geomechanically Calibrated, Seismically Constrained Reservoir Model to Unconventional Resource Development

As the industry improves its development of onshore, unconventional plays, new technologies are needed, such as Fracture ID's drillbit geomechanics. By measuring the drillbit's accelerations, in three components, as it responds to the rock during drilling, a three-component stress/strain relationship can be determined. With this, there are plenty of properties that can be delivered, such as Poisson's Ratio, Young's Modulus, and bedding and fracture presence. Measuring these properties along the wellbore allows operators to improve completions, observe interactions between wells, improve landing zones, and better space wells. This presentation will cover different applications of drillbit geomechanics, with an emphasis on 3D earth modeling.

#### JOSH ULLA



Josh Ulla has a track record of applying innovative solutions to geoscience problems. He is tasked with bringing Fracture ID to market, listening to operators' concerns, and continually improving Fracture ID's actionable results. Before joining Fracture ID, Ulla worked with ExxonMobil in the Geophysical Operations and Formation Evaluations Groups. He served as the Global Borehole Seismic Expert and was relied upon to model, design, acquire, process, and interpret seismic and petrophysical data. Ulla holds a master's in potential field magnetic interpretation.



*Thursday 11.9.17*

**11:30 AM – 1:00 PM**

#### SPEAKER

Josh Ulla  
VP, Business Development  
Fracture ID

#### LOCATION

Fleming's Prime Steakhouse  
(River Oaks)  
2405 W Alabama St  
Houston, TX 77098

#### EVENT CONTACT

Swathika Jayakumar  
swathika.Jayakumar@corelab.com

## NORTHSIDE

### How a Priority on Measurement Pays Off

In upstream production, making production measurement a priority is a critically needed change. In this presentation, drawing from case studies from both conventional and unconventional fields, we will:

- Demonstrate why production measurement is so important.
- Take a critical look at production measurement practices that are widely used yet ineffective, and how this can lead to organizational lethargy.
- Show how production measurement is the key to unlocking efficiency, increasing production, and reducing costs.
- Highlight important developments in production measurement.
- Show how to use production measurement to track performance so that these gains are sustained or improved further.

#### SLAVKO TOSIC

Slavko Totic's 16 years of experience in reservoir and production engineering and production measurement and allocation include technical and leadership roles with Roxar, Noble Energy, and ExxonMobil. He joined the Letton Hall Group, an independent, deep-knowledge team of experts in oil and gas flow, in 2017 as Chief Operating Officer.

#### BOB WEBB

Bob Webb is a global leader in production measurement and allocation. In 1997, Webb joined Amoco, ultimately becoming the upstream Segment Technical Authority for hydrocarbon measurement, the highest position for a discipline engineer. He joined Letton Hall Group in 2016.



*Monday 11.13.17*

**11:30 AM – 1:00 PM**

#### SPEAKERS

Slavko Totic  
and  
Bob Webb  
Letton Hall Group

#### LOCATION

SWN Campus  
10000 Energy Dr  
Spring, TX 77389

#### EVENT CONTACT

Jon Spencer  
jon.Spencer@tracerco.com



*Tuesday 11.14.17*

**11:30 AM – 1:30 PM**

**SPEAKERS**

Chad McAllaster  
Michael Lattibeaudiere  
Stephen R. Ingram

**LOCATION**

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

**EVENT CONTACT**

Aaron Burton  
aaronburton@uogtraining.com

## PERMIAN BASIN

### State of the Permian Basin: A Panel Discussion

This panel will discuss general and broad successes, challenges, applications, and production optimization in the Permian Basin. It will include representatives from Anadarko, Noble Energy, and Halliburton.



**CHAD MCALLASTER**

Chad McAllaster is Vice President, Operations for Anadarko's Delaware Basin Assets and is based in Midland. He has 20 years of industry experience, all with Anadarko. Prior to his current role, he served as Vice President, Operations for Anadarko's Eagle Ford Operations.



**MICHAEL LATTIBEAUDIÈRE**

Michael Lattibeaudiere is the Director of Operations, Permian for Noble Energy. He manages completions, production, and field operations. Prior to this role, he was the General Manager of Permian Basin Operations.



**STEPHEN INGRAM**

Stephen Ingram is the Southern Region USA Director, Completion & Production Division for Halliburton. Ingram executes new technologies, solutions, and innovations to collaborate and maximize customer assets across multiple domains. Prior to this role, he was Director, Business Development Gulf of Mexico.



*Tuesday 11.14.17*

**11:30 AM Lunch, 12:00 PM Start**

**SPEAKER**

Dr. Ahmed Badruzzaman  
Consultant to the  
US Department of Energy

**LOCATION**

Marathon Oil Tower P1021  
5555 San Felipe St  
Houston, TX 77056

**EVENT CONTACT**

Chris Leavell  
cleavell19@gmail.com

## HSSE-SR

### Mitigating Security and Safety Risks of Sealed Radionuclide Sources in the Petroleum Industry

Governments face radiological security threats, and the petroleum industry faces a multi-discipline challenge to manage radionuclide sources integral to their business. A number of risk mitigation steps are underway, complementing decades-long industry R&D on alternative logging technologies. These include stricter regulations, new handling protocols by agencies and some operators, and active assessment of technologies to electronically tag radioactive sources, and possibly replace them. This presentation discusses the varied landscape of source use by the industry and associated risks, mitigation steps, and challenges.

**PARKING AND ADDITIONAL INFORMATION:**

Visitor parking is available in the Visitor Garage, levels G-1 and G-2. Parking is metered and payable by credit card only. All visitors must check in on Level 2 at either the Tower Concierge Desk or the Marathon Oil Corporation Reception Desk. Please have photo identification available upon check-in. Lunch will be provided at 11:30, followed by the speaker's presentation from 12:00-1:00.

**DR. AHMED BADRUZZAMAN**



Dr. Ahmed Badruzzaman is a consultant to the US Department of Energy on mitigating risks of sealed radioactive sources used in the petroleum industry. He is the author of over 40 papers, two US patents, and an upcoming textbook on nuclear logging. He is a Fellow of the American Nuclear Society, an SPE Distinguished Lecturer, a two-time SPWLA Distinguished Speaker, and winner of multiple SPE and SPWLA awards. He earned a PhD in nuclear engineering and science from Rensselaer Polytechnic Institute.

## PROJECTS, FACILITIES AND CONSTRUCTION

### Produced Water Treatment, Reuse, and Disposal in the Permian

Water management to support shale production in the Permian is entering a new stage. What started out as an expensive trucking-based business gave way to greater investment in pipelines and storage facilities. The volumes of water used to hydraulically fracture wells continue to increase with real benefits in productivity and recovery. Significant capital investment has started to flow through midstream water management companies. These companies provide water volumes with high uptime, availability, and utilization through an extensive network of pipelines, pumping stations, storage ponds, high-capacity saltwater disposal facilities, and technology for reuse. These companies help to consolidate technical development of new technology while reducing capital expenditures. This presentation will look at the emerging trend toward midstream water management companies, what they offer in terms of lower cost, greater utilization of infrastructure and capital, and the opportunity to implement state-of-the-art water technology for reuse.

#### JOHN WALSH



John Walsh has worked in the water industry for close to 30 years. He worked for Shell for over 20 years, and at Westvaco Paper Company prior to Shell. At Shell, he was the Global Subject Matter Expert for Upstream Water Treatment. Until recently, Walsh was the President and Managing Director of the Produced Water Society. He remains on their Board of Directors. He is an associate editor of *Oil and Gas Facilities* and has served on the SPE Board of Directors. He is the designated instructor for the SPE course “The Science and Technology of Produced Water Treatment.” Walsh earned a PhD in chemical engineering from Johns Hopkins University.



Wednesday 11.15.17

5:00 – 6:30 PM

#### SPEAKER

John Walsh  
Director of R&D  
CETCO Energy Services

#### LOCATION

OFD Engineering  
12121 Wickchester Ln, Suite 700  
Houston, TX 77079

#### EVENT CONTACT

Tom Vogt  
Thomas.vogt@f-e-t.com

## WATER AND WASTE MANAGEMENT

### Water Management in the Oklahoma STACK

Newfield Exploration is a leader in water management and recycling in Oklahoma. The company has completed its extensive water management system, which includes freshwater storage, produced water storage, a water recycling facility, and an HDPE pipeline system. The pipeline system is also connected to Newfield’s saltwater disposal wells. The recycling of flowback and produced water is part of Newfield’s effort to reduce the volumes of water injected into disposal wells, which is consistent with the Oklahoma Corporation Commission’s effort to provide mitigation measures that can help to reduce potential induced seismicity. Lloyd Hetrick will provide a comprehensive look at Newfield’s water management system.

#### LLOYD HETRICK



Lloyd Hetrick is the Operations Engineering Advisor for Newfield Exploration Company. He is the chair of the API Hydraulic Fracturing Issues Group and represents Newfield on various other industry-related committees and groups. Hetrick has worked in the oil and gas industry since his graduation from Texas A&M in 1979. Since joining Newfield in 2010, he has worked exclusively on unconventional resource development in Utah, Texas, Oklahoma, North Dakota, and Pennsylvania. He is both PE and CSP certified. One of his current responsibilities is overseeing Newfield’s efforts at water management and recycling.



Wednesday 11.15.17

11:30 AM – 1:00 PM

#### SPEAKER

Lloyd Hetrick  
Operations Engineering Advisor  
Newfield Exploration Company

#### LOCATION

Marathon Oil Tower  
555 San Felipe Rd  
Houston, TX 77056

#### EVENT CONTACT

Reshmy Mohanan  
reshmy.mohanan@  
griffindewatering.com



Wednesday 11.15.17

11:30 AM – 1:00 PM

**SPEAKER**

Jim Erdle

Computer Modelling Group

**LOCATION**

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

**EVENT CONTACT**

Bharath Rajappa  
bharath.rajappa@  
conocophillips.com

## WESTSIDE

### Numerical vs. Analytical Models for EUR Calculation and Optimization in Unconventional Reservoirs

Analytical models available in Rate Transient Analysis (RTA) packages are widely used as fast tools for history matching and forecasting in unconventional resources. Recently, there has been an increasing interest in numerical simulation of unconventional reservoirs. In this presentation, both methods will be used to history-match fractured unconventional wells, followed by the application of forecast calculations. A single-phase shale oil reservoir will be used as a base case, but dry gas and gas condensate shale reservoirs will also be examined. In all cases, historical data and reference EURs are derived from fine-grid simulations.

#### JIM ERDLE



Jim Erdle is Vice President for Software Marketing and Support for the US and Latin America for Computer Modelling Group. He has over 40 years of industry experience, primarily in reservoir and production engineering-related positions within the service and software segments of E&P. He graduated from Penn State with BS and PhD degrees in petroleum engineering. He has coauthored SPE papers on modeling unconventional wells and is the author of Chapter 8 (“Application of Numerical Models”) in the 2016 SPEE Monograph #4 (*Estimating Ultimate Recovery of Developed Wells in Low-Permeability Reservoirs*).



Thursday 11.16.17

11:30 AM – 1:30 PM

**SPEAKER**

Gang Han

Petroleum Engineering Consultant,  
Technology Coordination  
ARAMCO Services Company

**LOCATION**

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

**EVENT CONTACT**

Reza Safari  
reza.safari@weatherford

## COMPLETIONS AND PRODUCTION

### Hydraulic Fracturing Simulation: Physics and Models

Which fracturing model to use? Why are model results different from field observations? Based on the outcomes from the second American Rock Mechanics Association Hydraulic Fracturing Workshop, this talk highlights the physics involved in hydraulic fracturing, as well as the model showcases to capture them. Providers of 20 fracturing models participated in seven benchmark case studies with standardized input and output requirements. The models used included legacy 2D, pseudo 3D, planar 3D, and fully coupled 3D, state-of-the-art models. In general, all participants successfully demonstrated their model’s validity in capturing various physical phenomena. As expected, differences in the models were observed. One should keep in mind and appreciate these differences when selecting a fit-for-purpose fracturing model.

#### DR. GANG HAN



Dr. Gang Han works in Upstream Technology Coordination at Aramco Services Company. With 20-plus years of experience in petroleum engineering, he focuses on the geomechanical technologies related to reservoir performance, well productivity, hydraulic fracturing, well planning and construction, sand control and management, and wellbore stability. He serves on the Board of Directors for the American Rock Mechanics Association and chairs its Technical Committee on Hydraulic Fracturing. He has over 40 technical publications and is a leading author of *Drilling in Extreme Environments - Penetration and Sampling on Earth and Other Planets*.

## DRILLING

### Collaborative Approach to Implementation Helps Realize Benefits of Drilling Automation

The application of automated technologies to well construction is emerging as a key lever to improve the overall efficiency of drilling performance. Several recent applications have demonstrated that the technology maturity is no longer the limiting factor in accelerating the uptake and realizing the benefits that automation can bring to drilling. This presentation describes a collaborative effort between an operator, a drilling contractor, and a service company on the application of a novel drilling automation system to deliver drilling parameter control to a major drilling operation.

#### RIAZ ISRAEL

Riaz Israel has worked in oil and gas for 17 years, mainly split between Schlumberger and BP. He has held roles in drilling engineering and operations, run real-time operations monitoring centers, and is currently the team lead for BP's Wells Technology group. He is working to develop and implement strategies for various drilling technologies – in particular, drilling automation. He is passionate about the role that analytics and automation will play in drilling and is aggressively championing their adoption both within BP and in the industry through his work with the SPE Drilling Systems Automation Technical Section.



Thursday 11.16.17

11:30 AM – 1:00 PM

#### SPEAKERS

Riaz Israel  
Team Lead – Wells Technology  
BP America

#### LOCATION

The Petroleum Club of Houston  
1201 Louisiana St, 35th Floor  
Houston, TX 77002

#### EVENT CONTACT

Tom Wick  
fieldwick2@gmail.com

## BUSINESS DEVELOPMENT

### WildHorse – A Story of Unlocking Overlooked Value – the Sequel

WildHorse Resource Development CEO Jay Graham has made a career in building positions in areas where other operators have departed. In the North Louisiana Overpressured Cotton Valley, he and partner Anthony Bahr built the Terryville field assets into the publicly traded Memorial Resource Development, which was eventually acquired by Range Resources. Now Graham's focus is the Eagle Ford, where WRD has built a ~385K net acre position aided by two large acquisitions from Clayton Williams and Anadarko. In this presentation, Graham will share his penchant for unlocking overlooked value, how WRD was built, the company's current focus, and his long-term outlook for the company.

#### JAY C. GRAHAM



Jay C. Graham has served as Chief Executive Officer and Chairman of WildHorse Resource Development's board of directors since September 2016. Previously, Graham served as Chief Executive Officer and as a member of the board of directors of Memorial Resource Development. Graham serves on the Petroleum Industry Board and the College of Engineering Advisory Council at Texas A&M University and is a co-founder and advisor of the Texas A&M Petroleum Ventures Program. He is also a member of the Petroleum Engineering Academy of Distinguished Graduates.



Wednesday 11.29.17

5:00 – 7:00 PM

#### SPEAKER

Jay C. Graham  
Chairman and CEO  
WildHorse Resource Development

#### LOCATION

Four Seasons  
1300 Lamar St  
Houston, TX 77010

#### EVENT CONTACT

Cody Felton  
Cody.Felton@energynet.com



Thursday 11.30.17

11:30 AM - 1:00 PM

**SPEAKER**

Loren Long  
Managing Director  
Talos Energy

**LOCATION**

The Petroleum Club of Houston  
1201 Louisiana St, 35th Floor  
Houston, TX 77002

**EVENT CONTACT**

Mark Sokolow  
mtsokolow@yahoo.com

# INTERNATIONAL

## E&P in Mexico: The Zama-1 Find

Talos was one of the first companies awarded a tract to explore approximately 37 miles from the Port of Dos Bocas, Mexico. The Zama-1 well is the first offshore exploration well drilled by the private sector in Mexico's history. Preliminary analysis shows initial gross original oil in place at 1.4 to 2.0 billion barrels, a historic and significant discovery.

### LOREN LONG



Loren Long is the Managing Director - Mexico for Talos Energy LLC, based in Houston. He has been with Talos since August 2014, but previously worked with the Talos management team at Phoenix Exploration from 2006 to 2011. In 2011, Long co-founded a private oil and gas company, Momentum Oil & Gas, which produced and explored in South Texas. He graduated from Stanford University with a BS in petroleum engineering in 1994, and immediately moved to Houston to work for Amoco as a Drilling Engineer. In late 1996, Long began working for Union Pacific Resources as a production and reservoir engineer in East Texas and the Gulf of Mexico shelf. In 2000, Long moved back to Houston, where he worked in various engineering positions with Anadarko Petroleum, Houston Exploration, Redman Energy, and Phoenix Exploration.

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# Where Are They Now?

## PAST SCHOLARSHIP WINNERS

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 Jaime Villatoro's story:

My favorite college memory is working on a pragmatic senior design team and beating the "A" team on a variety of senior design evaluations and final recommendations.

Summer internships were an important part of my initial career development. They enabled me to better understand the practical side of the business working in office and field locations. They also confirmed that what I was studying was something I would enjoy doing.

The SPE-GCS scholarship provided major financial support, allowing me to better focus on my studies and work only during the summers. I graduated with minimal debt, thanks in part to the SPE-GCS scholarship.

Today, I am a Senior Reservoir Engineer with 15 years of diverse experience. I work as a Petroleum Engineer in the Resource and Economic Analysis Unit within BOEM's Office of Resource Evaluation in the Gulf of Mexico region. My primary responsibilities include performing reservoir engineering studies, prospect resource estimates, statistical analysis, and economic evaluation to determine the fair market value for tracts receiving bids in federal offshore lease sales.

My prior experience includes onshore and offshore fields spanning a variety of global basins attained working for independents, a major, and a service company. I have co-authored seven technical papers and presented at three conferences. One of my most recent accomplishments was during a deepwater field redevelopment campaign, where I was the well lead for two of four wells and Reservoir Engineer for four of six reservoirs. As part of the well lead role, I managed an integrated team in multiple locations and worked with cross-disciplinary teams to ensure timely delivery of spud-ready wells.

I have been an active SPE volunteer and leader as both a student and professional. In the Gulf Coast Section, I served in the Reservoir Study Group (Chair, Treasurer, and Vice Chair), as Emerging Leaders Program Board Treasurer, and on the Career Management and Scholarship Committees. In the Los Angeles Section, I served on the Section Board and co-chaired a cross-generational workshop. I currently serve on the Delta Section Board and am the Treasurer.

My advice to students is to emphasize communication skills, be prepared for the volatility of the oil industry, have a career back-up plan, and be flexible and search wide for jobs. Lastly, relationships and communicating your value are very important in this industry.

## JAIME VILLATORO



### CAREER OVERVIEW

**Petroleum Engineer, US Department of the Interior, Bureau of Ocean Energy Management**

- Klein Forest High School - 1998
- University of Texas at Austin, BS in petroleum engineering - 2002

### CONTACT

[j\\_villa\\_07@yahoo.com](mailto:j_villa_07@yahoo.com)

### SPONSORSHIP

[speegcs.org/sponsorship-opportunity/](http://speegcs.org/sponsorship-opportunity/)

### DONATION INFO

[speegcs.org/speegcs-scholarship-fund/](http://speegcs.org/speegcs-scholarship-fund/)

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## Accelerated Learning Tutorial: Introduction to Gas Lift Systems

This one-day tutorial will give attendees a broad overview of gas lift operations, with an emphasis on deepwater applications. Topics will include downhole equipment involved in gas lift operations, gas lift design procedure and effects of operational changes. Attendees will also be briefed on basic troubleshooting issues.

### Agenda:

- Introduction
- Overview of Gas Lift
- Major System Components
- High Reliability Deepwater Solutions
- Design Process for Gas Lift Systems
- Daily Operations
- Troubleshooting
- Reference Information

Attendees will be awarded a certificate for eight Professional Development Hours.

### CORBIN MOZISEK

Corbin Mozisek is a Specialist in the Gas Lift Systems group at Liberty Lift Solutions. His duties include providing technical training and support to clients and staff. Mozisek also serves a technical resource for both gas lift designing and troubleshooting. He has 11 years of experience, focused mainly in gas lift. He holds a BS in business from The University of Houston.

#### MEMBERS & NON-MEMBERS

\$350

#### STUDENTS/MIT/RETIRED SPE

\$150

### EVENT INFO

FRIDAY

**11.1.17**

8:30 AM - 4:00 PM

#### SPEAKER

Corbin Mozisek  
Specialist  
Liberty Lift Solutions

#### EVENT LOCATION

SPEI Houston Training Center  
10777 Westheimer Rd  
Houston, TX 77042

#### EVENT CONTACT

Mike Redburn  
mredburn@newpark.com  
307-214-7518

## How to Write and Present a Technical Paper for SPE

### Agenda:

- Objectives
- Communication Process
- Why Write for SPE
- How to Write the Abstract
- Writing the Paper
- Presenting the Paper/Report
- Publishing in SPE
- Summary of the Writing and Presentation Process
- Q&A/Discussion

### BYRON HAYES JR.



Byron Haynes Jr. is the Reservoir Engineering Learning Advisor for Shell in Houston. He delivers and teaches all internal Reservoir Engineering Training worldwide for Shell. He presented the workshop "How to Present a Technical Paper" at ATCE 2012-2015. Haynes has presented internal Shell courses on how to write and present technical reports. He has over 30 years' experience in operations

and development projects in the US, South America, North Sea, and the Middle East. Haynes has been a technical editor for the last 11 years for the *SPE Reservoir Engineering and Evaluation* journal. He has been a member of the Professionalism and Ethics Committee and the Professional Registration Committee. At ATCE 2013, he was chosen as a Distinguished Member of SPE.

#### MEMBERS & NON-MEMBERS

\$50/\$55

#### STUDENTS/MIT/RETIRED SPE

\$30

### EVENT INFO

WEDNESDAY

**11.8.17**

9:00 AM - 12:00 PM

#### SPEAKER

Byron Hayes Jr.  
Reservoir Engineering  
Learning Advisor  
Shell

#### EVENT LOCATION

SPEI Houston Training Center  
10777 Westheimer Rd  
Houston, TX 77042

#### EVENT CONTACT

Mike Redburn  
mredburn@newpark.com  
281-754-8629

# Members in Transition Initiative

## 22ND SEMINAR SERIES

The SPE Members in Transition Seminar Series includes topics of interest to SPE members who are between jobs during the current industry downturn or looking for new opportunities. The agenda for the 22nd seminar in the series will include “Successful Startups and Job Interviews,” “Entrepreneurship,” “Managing Change During Challenging Times,” and a discussion of resources for SPE members.

### Program 1: Successful Startups and Job Interviews

According to a recent Deloitte survey, oil executives believe that 2017 is a year of recovery. What do startups and job interviews have in common? How to navigate chaos, sell with no sales experience, and push through the inevitable pain of rejection and failure.



#### JEREMY BENNETT

Jeremy Bennett is the owner and CEO of J Bennett Recruiting, a retained search firm specializing in finance and accounting executives at oil and gas companies in Houston. He has almost 20 years of recruiting experience in finance and accounting. Prior to starting JBR, he was a founding employee of Addison Group.

### PROGRAM 2: Entrepreneurship

Kemal Farid will discuss his 30-year journey as an entrepreneur and his current endeavors as a venture capitalist. What are the challenges of entrepreneurship? What does it take to build a successful company? What is the role of capital in technology ventures?



#### KEMAL FARID

Kemal Farid is a Managing Director of BlueVine Ventures, a multistage venture capital firm, focusing on industrial and scientific technology. He previously founded Merrick and was named Ernst & Young's Entrepreneur of the Year in 2011. He earned a BS degree in electrical/computer engineering from University of Texas at Austin and an entrepreneurship master's from Massachusetts Institute of Technology.

### PROGRAM 3: Managing Change During Challenging Times

The oil and gas industry has seen volatility in the past few years. This continuous change takes a toll as we manage the ever-changing circumstances. The session will focus on how to manage change and stay positive during these challenging times. The speaker will share his experiences on building skills to make prior work experiences more portable for diversification.



#### ATIF SIDDIQI

Atif Siddiqi has over 15 years of experience in financial analysis, business planning, operations, and relationship and project management. He leads the Information Management, Technology Enablement, Production and Economics practice for Landmark North America services group. In the past, he held positions including global executive manager, offshore service delivery manager, and program manager for various oil and gas services organization. He holds a bachelor's degree in finance and a master's in information systems.

## EVENT INFO

FRIDAY

**11.10.17**

10:00 AM – 3:00 PM

### SPEAKERS

Jeremy Bennett  
Chief Executive Officer and Owner  
J Bennett Recruiting

Kemal Farid  
Managing Director  
BlueVine Ventures

Atif Siddiqi  
North America Practice Manager  
Halliburton

### LOCATION

Houston Technology Center  
410 Pierce St  
Houston, TX 77002

### EVENT CONTACTS

Susan Howes  
713-553-5020  
c.susan.howes@gmail.com

Ashish Fatnani  
832-415-6835  
ashish.fatnani@halliburton.com

### MEMBERS

\$40/\$50 Walk-In

### NON-MEMBERS

\$50

### STUDENTS/MIT/RETIRED SPE

\$15

Registration capped at 70

## Accelerated Learning Tutorial: Drill String Mechanics Course

This course will impart a deep understanding about drill string mechanics for complex drilling applications, such as torque and drag and buckling, fatigue, and casing wear. It offers a technical overview of all operational and technical aspects required to design and operate drill string equipment in complex drilling programs. A strong emphasis will be put on understanding the different mechanisms involved and gaining understanding of the drill string mechanics and theoretical background. Each participant will have the opportunity to run advanced professional software to analyze drill strings in complex environments.

### STÉPHANE MENAND

Stéphane Menand is President of DrillScan. Previously, he held a research position at Mines ParisTech university. He has 18 years of oil and gas experience, mainly as an R&D project manager in directional drilling, drillstring mechanics (torque, drag and buckling), drilling dynamics, and drill-bit performance. Menand has authored SPE and other technical papers. He serves on the *Journal of Petroleum Technology* Editorial Committee and as Associate Editor of *SPE Drilling and Completions Journal*. He earned a PhD degree in drilling engineering from Mines ParisTech.

**MEMBERS & NON-MEMBERS**  
\$350

**STUDENTS/MIT/RETIRED SPE**  
\$150

### EVENT INFO

WEDNESDAY

**11.10.17**

8:30 AM - 4:30 PM

#### SPEAKER

Stéphane Menand  
President  
DrillScan

#### EVENT LOCATION

SPEI Houston Training Center  
10777 Westheimer Rd  
Houston, TX 77042

#### EVENT CONTACT

Mike Redburn  
mredburn@newpark.com  
281-754-8629

## Volunteering at the Houston Food Bank

Join other YPs to help the Houston Food Bank meet its goal of serving 100 million nutritious meals to the Houston community by 2018. 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 YP Community Outreach Committee planned this event so that we can make a difference while getting to know more people from our industry.

We will help out at the warehouse. Projects will depend on the Food Bank's needs and may include inspecting/sorting food, repacking dry food into family-sized bags, and stocking/cleaning the emergency food pantry.

Volunteers are required to wear closed-toed shoes and sleeved shirts.



### EVENT INFO

SATURDAY

**11.11.17**

8:00 AM - 12:00 PM

#### LOCATION

The Houston Food Bank/  
Portwall Headquarters  
535 Portwall St  
Houston, TX 77029

#### EVENT CONTACT

Antonio Lazo  
832-863-5285

#### ONLINE REGISTRATION

[spegcs.org/events/3749/](http://spegcs.org/events/3749/)

## Building a Culture

There is much more to being a leader than getting a job done. The most important aspect of leadership is building a culture. This session will feature lessons learned from leading a highly diverse team. If you can build a culture where your team knows the big picture, knows their audience, knows that their job is to make the other person's job easier, and knows their processes, then your organization will fire on all cylinders.



### RIUM TAPJAN

Rium Tapjan started working for NOV after graduating from the University of Texas in 2008 with a degree in electrical engineering. After completing NOV's Next Generation Program, Tapjan became a Support Engineer. She was part of the design team on the NOV Test Rig Project, which later became known as the R&D Technology Center. While working on this project, she later became a Project Coordinator and then was promoted to Project Manager. She has been leading the R&D Technology Center as Vice President since 2016.

#### MEMBERS & NON-MEMBERS

\$25/\$30

#### ONLINE REGISTRATION

[spegcs.org/events/3757/](http://spegcs.org/events/3757/)

#### STUDENTS/MIT/RETIRED SPE

\$15

## EVENT INFO

SATURDAY

**11.16.17**

6:30 - 8:30 PM

#### SPEAKER

Rium Tapjan  
Vice President  
NOV

#### LOCATION

Chevron Downtown  
1111 Bagby St  
Houston, TX 77002

#### EVENT CONTACT

Eric Regel  
504-920-8392  
[eregel@gateinc.com](mailto:eregel@gateinc.com)

## Accelerated Learning Tutorial: Introduction to Petroleum Geology

This one-day tutorial will give attendees a broad overview of the fundamental geological concepts in the context of petroleum exploration and production. Topics will include an overview of the processes of petroleum generation and accumulation and the variables within depositional systems that impact reserve recovery. Agenda:

- Introduction
- Historical Geology / Geologic Time
- Physical Geology / Depositional Processes and Stratigraphy
- Depositional Basins
- Structural Geology
- Petroleum Reservoirs / Conventional and Unconventional
- Reservoir Characterization
- The Petroleum Prospect
- Reference Information

Attendees will be awarded a certificate for eight Professional Development Hours.

### MAGGIE DALTHORP

Maggie Dalthorp most recently served as Exploration Manager for a Williston Basin operator, Murex Petroleum Corporation, where she was involved in assessing the Three Forks play. Prior experience includes running her own company, Moorhouse Associates Inc., a natural resource planning and oil-and-gas exploration company that generated prospects by shooting 3D seismic surveys in underdeveloped areas. Dalthorp holds a doctorate in coastal and marine system science, as well as her MBA, from Texas A&M University-Corpus Christi and a bachelor's in geology from The University of Texas at Austin.

#### MEMBERS & NON-MEMBERS

\$375

#### STUDENTS/MIT/RETIRED SPE

\$150

## EVENT INFO

FRIDAY

**11.17.17**

8:30 AM - 4:00 PM

#### SPEAKER

Dr. Margaret Dalthorp  
Exploration Manager  
Murex Petroleum Corporation

#### EVENT LOCATION

SPEI Houston Training Center  
10777 Westheimer Rd  
Houston, TX 77042

#### EVENT CONTACT

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

# Pitch Perfect: Creating a Successful Business Plan

Do you have an idea and want to create a successful business around it?

Please join the Innovate Committee for a workshop that will help you perfect your business plan. You'll find out what VCs look for in a business plan, hear how successful entrepreneurs came up with theirs, and find out what the oil and gas industry needs.

During the hands-on workshop, our panelists will provide guidance and feedback on your plan and help you perfect it so you can nail that pitch.

## Schedule:

9:00-9:30 AM	Breakfast (Coffee and Bagels)
9:30-9:35 AM	Opening Remarks
9:35-10:00 AM	Kickoff by Kirk Coburn, Shell Technology Ventures
10:00-10:45 AM	VC Panel (Moderated by Omar Abu-Sayed, Advantek)
10:45-11:00 AM	Break
11:00-11:45 AM	Entrepreneur Panel (Moderated by Kirk Coburn, Shell Technology Ventures)
11:45-12:30 PM	Lunch
12:30-1:15 PM	Voice of the Industry Panel (Moderated by Sidd Gupta, Schlumberger)
1:15-1:45 PM	Workshop Intro/Structure of a Business Plan (Sidd Gupta, Schlumberger)
1:45-2:00 PM	Break
2:00-4:00 PM	Workshop - Breakout by Themes
4:00 PM	Closing Remarks

## EVENT INFO

SATURDAY

**11.18.17**

9:00 AM - 4:15 PM

### LOCATION

Station Houston  
301 Fannin St #2440  
Houston, TX 77002

### EVENT CONTACTS

Sidd Gupta  
leosidd@gmail.com

Omar Abou-Sayed  
omar@advantekwms.com

### MEMBERS

\$100

### NON-MEMBERS

\$125

### STUDENTS/MIT/RETIRED SPE

\$25 (Limit 10 people)

### ONLINE REGISTRATION

[spegcs.org/events/3747/](http://spegcs.org/events/3747/)



KIRK COBURN  
Shell Technology Ventures

ABBY MERCADO  
Altira Group

LUIS ALCOSER  
BP Ventures

DANIEL CARTER  
Saudi Aramco Energy Ventures



ANOOP PODDAR  
Energy Ventures

FRED LUMMIS  
Houston Ventures

LUTHER BIRDZELL  
OAG Analytics

BRAULIO PERDIGAO  
Petrolessons



TROY RUTHS  
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SUSAN ROSENBAUM  
Schlumberger

RICHARD LYNCH  
Hess

GENE NARAHERA  
Chevron



Additional sponsorship opportunities are available.

# Alumni Networking Event

Wear your school colors and network. Come out and bring a friend. This event is open to SPE members and non-members.

**LOCATION**

TBD

Free to attend.

**EVENT CONTACT**

Kris Pitta

kris\_pitta@oxy.com

## EVENT INFO

THURSDAY

**11.30.17**

6:00 - 9:00 PM

# 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. More than 85% of the services of The Beacon are operated by volunteers.

Please have a good breakfast to stay energized throughout the event, which extends beyond the regular lunchtime and involves some physical activity. Donations of gently used or new items are appreciated.

**ONLINE REGISTRATION**

[spegcs.org/events/3750/](http://spegcs.org/events/3750/)



## EVENT INFO

SUNDAY

**12.17.17**

10:30 AM - 2:00 PM

**LOCATION**

The Beacon -  
John S. Dunn Outreach Center  
1212 Prairie St  
Houston, TX 77002

**EVENT CONTACT**

Mollie Garvey

garvey906@gmail.com

**SAVE THE DATE**

# Mergers, Acquisitions, and Divestments Symposium

TUESDAY

**1.9.18**

The Business Development Study group will hold the 2018 Mergers, Acquisitions, and Divestments Symposium in downtown Houston on Tuesday, January 9. Two keynote speakers, four topical sessions, and a discussion/Q&A will highlight the program. A networking reception will follow at the Whitehall Hotel.

Please check [www.spegcs.org](http://www.spegcs.org) events calendar or click under the Business Development Study Group for updated registration information and other details.

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**Innovation & Entrepreneurship Symposium**

Join SPE-GCS Innovate Committee for the Innovation & Entrepreneurship Symposium (IES).

IES is SPE's flagship event for promoting innovation in the oil and gas industry by advancing knowledge and enabling collaboration between entrepreneurs, investors and organizations. Oil and gas startups are welcomed to submit their application for participation in the IES "Shark Tank"-like event, where they will have the opportunity to present their business idea to oil and gas investors and initiate funding discussions. Additional information is available at [spegcs.org/IES](http://spegcs.org/IES).



Sponsorship opportunities are available for your company to support this event and attach your company's brand with innovation and entrepreneurship.

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# SPE-GCS STUDENT CHAPTERS

## UNIVERSITY OF HOUSTON

### *Newpark Drilling Fluids Tour*

UHSPE was proud to kick off the academic year with its first tour of Newpark Drilling Fluids. Over 30 student members toured the company's labs and discussed the activities and challenges of the company. While learning about the current landscape of research and development of drilling muds, the participants met many industry professionals and interns at Newpark. The tour concluded with a classroom-style seminar discussing scenarios encountered while drilling and means to mitigate them. Opportunities like this provide our members with a competitive edge when pursuing their first jobs. UHSPE thanks Mike Redburn and Newpark Drilling for graciously hosting the tour and providing students the opportunity to bolster their industry knowledge.

## HOUSTON COMMUNITY COLLEGE

### *SPE HCC Welcomes New Faculty Advisor*

President Aileen Lu and her officers officially welcomed our new faculty advisor, Collins Nwaneri, on September 11, the first day of school after Hurricane Harvey.

Nwaneri started in the oil and gas industry in 1997 as a petroleum engineer for a major oil-and-gas production company, where he worked in drilling, workover, and production operations as a wellsite engineer. He worked as a drilling services engineer at offshore GOM and onshore US. He has been involved with field drilling systems and software development and applications, and he provided drilling software applications and measurement/formation evaluation training at domestic and international locations. His background includes operations, technical services, R&D, and training. He is a professor in the petroleum engineering technology department at the Global Energy Institute at HCC, where he teaches courses in drilling, exploration, production, completion, reservoir, natural gas and facilities; and a principal consultant. He has a bachelor's degree in petroleum engineering and obtained a master of science in petroleum engineering from the University of Louisiana at Lafayette.

### *SPE HCC Recruits New Officers at HCC Alief Campus*

On September 12, SPE HCC President Aileen Lu, who is also the Public Relations Chair of the HCC Innovation Club, participated at the Innovation Club's meeting at the Alief Campus recruiting new officers for SPE HCC in a diverse community.

## TAMU-SPE

### *Annual Career Enhancement Event*

We have already had some successful events here in Aggieland! Our annual Career Enhancement Event on September 8 gave students the chance to speak with recruiters about job opportunities and internships in the oil and gas industry. Recruiters had overwhelming positive feedback for our Aggie petroleum engineers, and the students in attendance were pleased with the opportunities available.

On September 11, we held mock interviews for our students with several companies, including Hilcorp, Noble, and Capital One. Those who participated had great experiences. The companies were impressed at how well our engineers held their own in their interviews, and we could not be more pleased with how well TAMU-SPE was represented!

On September 17, our annual Adopt-A-Street clean-up day took place, and several of our members took part in this great cause. Good Ags cleaned up our designated street and had fun while doing it. Our Adopt-A-Beach event on September 23 gave us another chance to have fun with while giving back.

Lastly, we would like to express our concern for those affected by Hurricane Harvey. We have partnered with Texas A&M's BTHO Harvey initiative to collect items to help those in need.

## RICE

### *Guest Lecture by Dr. Peter Day*

On September 20, Dr. Peter Day provided us an exciting lecture. Previously a Senior Technical Consultant at Marathon Oil Corporation, Dr. Day retired from the oil and gas business in 2015, after 40 years with two major service companies and two integrated independents. His presentation showed how, in the petrophysical domain, a simple, plausible model can yield a set of equations that explains multiple petrophysical-property correlations.

### *A Special Invitation: Advisory Board*

The committee is working on launching an advisory board to invite both Rice alumni and industry representatives to give student members advice and help them build personal connections. If you are interested and willing to support us, please contact Eric Vavra, [edv1@rice.edu](mailto:edv1@rice.edu).

---

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# EVENT RECAP

SPE-GCS supports Hurricane Harvey's victims and Houston's rebuilding efforts. Over 75 members participated in volunteering sessions at NRG Center, Cathedral Clinic, Brigid's Hope at The Beacon, and Cathedral Justice Project at The Beacon. We also joined the National Public Lands Day to help remove invasive plants in Hermann Park. We are coordinating additional volunteering events; check the SPE-GCS calendar!



Susan Howes at Prairie View A&M University

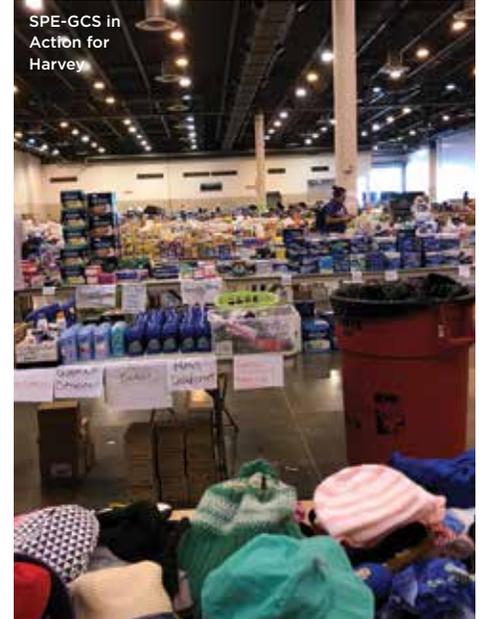
Susan Howes joined Prairie View A&M University SPE Student Chapter on September 21 for a talk on resume building and career planning.



SPE-GCS in Action for Harvey



SPE-GCS in Action for Harvey



SPE-GCS in Action for Harvey



Susan Howes at Prairie View A&M University



Reservoir Study Group Luncheon

The Reservoir Study Group hosted the first luncheon of the season. Omar Abou-Sayed, CEO of Advantek Waste Management Services, presented a lecture about reducing the costs and uncertainty of deepwater developments using oilfield big data.

Thanks to all volunteers who helped out at the Beacon on September 10. Your generous time contribution allowed us to serve 150 hot lunches to those in need and support the community as rebuilding occurs post-Harvey. Due to our success at the Beacon and to assert SPE's commitment to our community, we have planned an additional Beacon volunteering event on December 17. You can also join SPE-GCS YP at our next volunteering event at the Houston Food Bank on November 11. For more details, check out our event calendar at [www.spegcs.org/events](http://www.spegcs.org/events).



Young Professionals Volunteer at the Beacon

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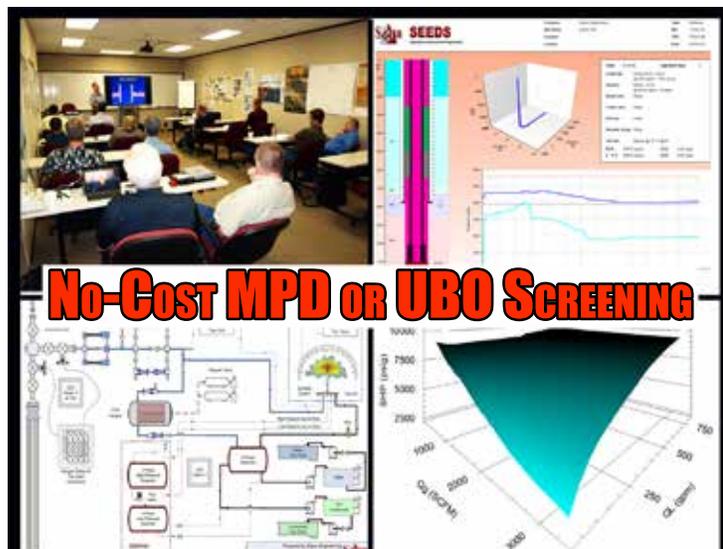
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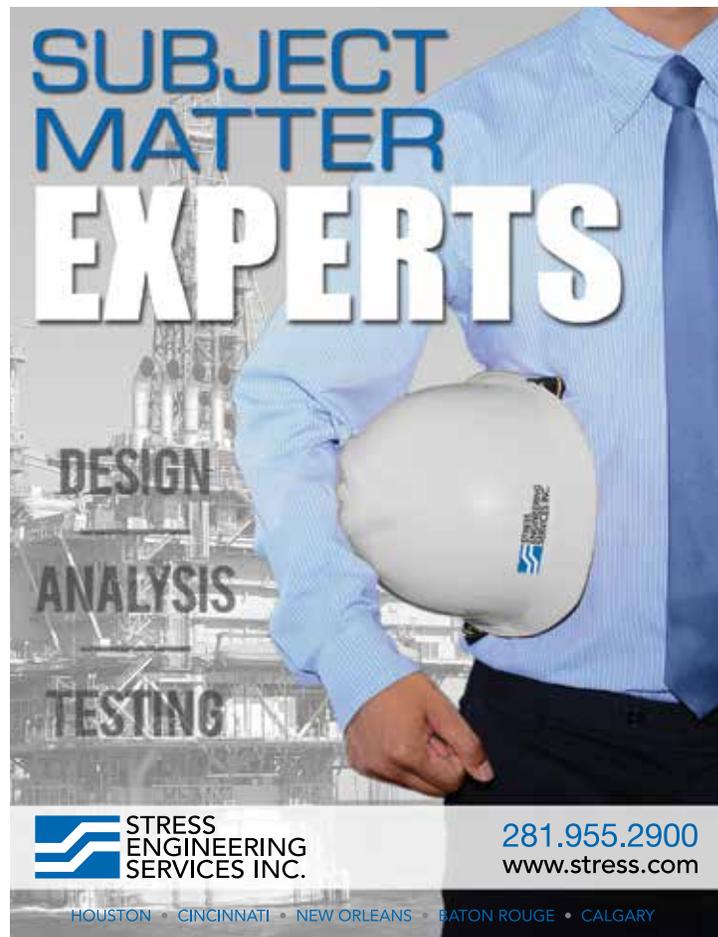
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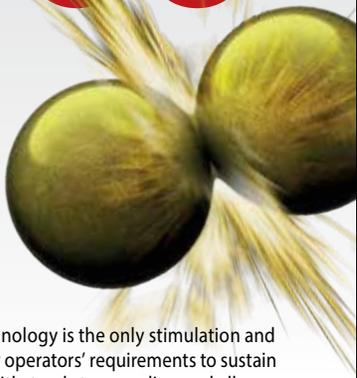
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## November 2017

# CALENDAR

SUNDAY	MONDAY	TUESDAY	WEDNESDAY Research & Development	THURSDAY	FRIDAY	SATURDAY
			<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
<b>5</b>	<b>6</b>	<b>7</b>	Cont. Education  <b>8</b>	General Meeting Reservoir  <b>9</b>	SPE-GCS Office Closed Cont. Education Members in Transition (MIT) <b>10</b>	Young Professionals  <b>11</b>
<b>12</b>	Northside  <b>13</b>	Permian Basin HSSE-SR  <b>14</b>	Water & Waste Mgmt. Westside PF&C <b>15</b>	Board of Directors Meeting Completions & Prod. Drilling Young Professionals <b>16</b>	Cont. Education  <b>17</b>	Innovate  <b>18</b>
<b>19</b>	<b>20</b>	<b>21</b>	Completions & Production  <b>22</b>	<b>23</b>	SPE-GCS Office Closed  <b>24</b>	<b>25</b>
<b>26</b>	<b>27</b>	<b>28</b>	Business Development  <b>29</b>	International Young Professionals & Membership <b>30</b>		