



Gulf Coast Section

OCTOBER  
2017

# CONNECT

SPE GULF COAST SECTION NEWSLETTER

## CORPORATE LEADERSHIP TO PRIVATE EQUITY-BACKED – PERSPECTIVES FROM BOTH SIDES

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# CHAIR'S CORNER



**TREY SHAFFER**

2017 – 2018 SPE-GCS Chair

## PROCESS SAFETY: A MORAL IMPERATIVE

The professionals of SPE support the delivery of a tremendous natural resource and technical capability that has contributed significantly to the advancement of society. Dr. Helge Hove Haldorsen, 2015 SPE President, would often say that, through our work, we lift people out of poverty by raising the standard of living. He would add that we are a force for good in the communities where we operate. However, we can never forget that significant responsibility comes with the value that we bring to these communities. This month, I challenge industry leaders and SPE members to seriously reflect on the moral imperative to safely explore, develop and deliver the value we create.

In January 2015, the following process safety definition was presented to the Technical Directors serving on the SPE International Board of Directors: “Process Safety - A disciplined framework for managing the integrity of hazardous operating systems and processes by applying good design principles, engineering, and operating and maintenance practices.” The description is based on definitions found in literature for Center for Chemical Process Safety (CCPS), International Association of Oil & Gas Producers (IOGP), American Petroleum Institute (API), and International Association of Drilling Contractors (IADC), and work already done by many industry practitioners. This definition was determined to be inclusive, yet broad enough to allow SPE to focus on how best to apply the definition for benefit of SPE members and member companies.

On June 23 of this year, SPE hosted a Process Safety Meeting in Houston that brought together about 50 individuals representing various organizations. Presenting organizations included SPE, CCPS, API, and IOGP, along with the Mary Kay O'Connor Process Safety Center at Texas A&M University and the Bureau of Safety and Environmental Enforcement. (This is not a comprehensive list of organizations working in process safety for our industry, and not all invited organizations were able to participate.)

I represented SPE at this meeting. The primary objective of the meeting was to gain a better understanding of the work underway by various organizations for both onshore and offshore E&P activities. The meeting also provided an opportunity for stakeholders to network on current practices and internal processes. The group recognized the need to better integrate human factors into our work. It was also recognized that we will benefit significantly from continued efforts to address process safety competencies for SPE members, including addressing certification requirements for process safety practitioners.

During the meeting, Shakeel H. Kadri, the Executive Director of CCPS, presented an overview of the role CCPS has taken in process safety – the CCPS organization and work are impressive. In referencing public perception, he said, “They may not understand what we do, but they understand when we create harm.”

CCPS is an AIChE technology alliance, and it formed after the catastrophic Bhopal incident. In December 1984, the release of a highly toxic gas at the Union Carbide pesticide plant in Bhopal, India, exposed over 500,000 people to methyl isocyanate and killed nearly 4,000 people.

As reported in the CCPS 2012 Annual Report, after Bhopal, in February 1985, “17 chemical industry leaders asked the American Institute of Chemical Engineers (AIChE) to lead a collaborative effort to eliminate catastrophic process incidents.” Today, nearly 200 companies are part of CCPS. These industry leaders have recognized their profound responsibility to “address the most important process safety needs and encourage an overall culture of process safety.” CCPS is fortunate to have an individual like Shakeel Kadri leading the way.

The upstream industry has experienced many other catastrophic incidents that resonate in our collective memory. The Piper Alpha explosion on July 6-7, 1988, when 167 workers lost their lives, was followed by the April 20, 2010, Deepwater Horizon incident in the Gulf of Mexico, which resulted in the death of 11 people and the injury of 17. An unprecedented 5 million barrels of oil was subsequently released. The impact on our industry has been deep, and repercussions have been relentless.

In March 2011, API formed the Center for Offshore Safety (COS), an industry-sponsored group focused on offshore safety on the U.S. Outer Continental Shelf. Based in Houston and under the leadership of Executive Director Charlie Williams, COS has as its goal to adopt “standards of excellence to ensure continuous improvement in safety and offshore operational integrity.” At the 2017 SPE Annual Technical Conference and Exposition in San Antonio, Williams will be honored with the Robert Earl McConnell Award. The establishment of the COS is another important step, but many more are needed.

Our industry is still seeking answers – I would argue that we have not converged on a single organization or mechanism to address process safety for the upstream industry,

Continued on page 4.

### Is SPE-GCS meeting your expectations?

We challenge you to send us your feedback on an event you attended, the Connect newsletter or anything else related to SPE-GCS. Write us at [spe-gcs@spe.org](mailto:spe-gcs@spe.org) or directly at [trey.shaffer@erm.com](mailto:trey.shaffer@erm.com)

# October 2017

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## STUDY GROUP PRICING

(unless specified separately)

### MEMBERS

\$40/\$55 Walk-In

### NON-MEMBERS

\$55

### STUDENTS/MIT/RETIRED SPE

\$15

## BOARD OF DIRECTORS MEETING

THURSDAY, OCTOBER 19

7:30 TO 10:30 AM

HOUSTON SPE OFFICE

## CHAIR'S CORNER cont.

including onshore and offshore. To illustrate our industry's current state, I have listed three participant observations from a much larger set of comments collected after this June's SPE Process Safety Meeting:

- It would be helpful to have process safety case studies tailored for upstream applications/scenarios.
- Continuing process safety education for engineers is important – CCPS has 60-plus courses; SPE has two.
- While much has been published regarding the importance of culture and leadership in process safety, it would be helpful to develop practical guidance to assist companies with implementation (including addressing the perceived gap between the front line and back office).

These three comments represent significant opportunity for SPE leaders and members to contribute to the moral imperative to safely deliver the value we create. Through our work as a leading organization in the upstream industry, the leaders and members of SPE have a tremendous opportunity to fulfill SPE's vision to "Enable the global oil and gas E&P industry to share technical knowledge needed to meet the world's energy needs in a safe and environmentally responsible manner."

I will leave you with one with a final thought that relates to the future of our industry – the university students of today who will become our leaders of tomorrow. Dr. M. Sam Mannan with the Mary Kay O'Connor Process Safety Center at Texas A&M University was a presenter at the June 2017 SPE Process Safety Meeting. He offered a profound remark: "Is it ethical or moral for any university to offer an engineering degree without a process safety curriculum?"

As many know, the origin of the O'Connor Center is indelibly woven into the memory of the community served by SPE-GCS. The TAMU website states that the center "was established in 1995 in memory of Mary Kay O'Connor, an Operations Superintendent killed in an explosion on October 23, 1989 at the Phillips Petroleum Complex in Pasadena, TX."

Our fragmented approach in addressing process safety will create ongoing challenges that will impact our ability to learn the lessons, develop our people, prioritize our response, and implement enduring solutions. The charge for SPE is to not only create new learning opportunities, but to seek effective collaborations where it makes sense. The upstream industry will then be able to leverage the shared learnings and best practices of the downstream and chemical industry sectors. If we seek a long-term, transformative approach aimed at eliminating fatalities for the upstream exploration and production industry, is it time to develop a standard industry process safety certification for upstream engineers and professionals who are designing and developing plans or executing projects? It is certainly within our reach to collaborate with organizations like CCPS and build on existing programs like the CCPS Process Safety Certification. To be truly transformative, we also need to ensure the inclusion of small onshore operators and global players who may have limited resources or nascent knowledge of process safety. Over time, SPE can play a role in sharing and transferring knowledge regarding process safety. As we conduct our daily work, I challenge each of us consider the moral imperative to safely explore, develop and deliver the value we create.

1. [aiche.org/ccps/about/history](http://aiche.org/ccps/about/history) 2. [centerforoffshoresafety.org/](http://centerforoffshoresafety.org/)  
3. [spe.org/awards/mcconnell.php](http://spe.org/awards/mcconnell.php) 4. [psc.tamu.edu/about-the-center/history](http://psc.tamu.edu/about-the-center/history)

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# THEN & NOW

COLUMN BY BUDDY WOODROOF

## OCTOBER 1957

Due to an expected shortfall in forecasted corporate earnings over the next five years, Jersey Standard reports plans to issue the second-largest common stock offering in the annals of US finance to cover capital needs and exploration.

In the absence of an impending war, a Defense Department study reports that the fuel needs of the US military (the oil industry's biggest single customer) will drop about 1% a year through the early to mid-'60s.

**East Texas crude - \$3.25/bbl**  
**US rig count - 2,488**

## OCTOBER 1977

Pemex reports a 32 MMcfd gas discovery in the Vizcaino Desert of Baja California, and talks are underway with California officials on the possibility of laying a Mexico-California gas pipeline.

In the GOM, Shell completes underwater pile-driving at its pioneering Cognac platform site in a record 1,025 ft of water by placing 24 piles, each 625 ft long and weighing 450 tons.

**US rig count - 2,101**

## OCTOBER 1997

Shell and partners Amoco and Exxon begin production from their Ram-Powell TLP in the GOM at a new water depth record for a production platform of 3,214 ft with production rates of 56 MMcfd of gas and 7,300 b/d of condensate.

The Organization of American States, at the request of the Colombian government, issues a report requesting that Oxy and Shell suspend drilling in Colombia's rain forest until an agreement can be reached with the U'wa indigenous people, who have threatened to commit mass suicide if exploration proceeds on their land.

**Light sweet crude - \$20.12/bbl**  
**Natural gas - \$3.14/MMbtu**  
**US rig count - 998**

## THE REST OF THE YARN

This month we continue our look back at the rise and fall of wildcatter Glenn McCarthy, as he teams up with M.D. Anderson and an up-and-coming young lawyer from Houston.

**C**otton magnate M.D. Anderson needed a well drilled in the new oilfield at Conroe. As he had done before, McCarthy begged, borrowed, and "covertly borrowed" most of the needed equipment, sending his men, all of whom worked for food and the promise of an eventual paycheck, sneaking into the woods at night to liberate pipe and barrels of drilling mud from nearby drill sites. When McCarthy couldn't pay his rig's rental fee, the owner secured an injunction preventing its use. McCarthy ignored the court order, which worried Anderson enough to bring in a 30-year-old attorney named Leon Jaworski—later to achieve fame as a Watergate prosecutor—to handle things.

McCarthy eventually hit oil for Anderson at Conroe, and soon had a car, a larger apartment, and a reputation. "He was known as a man who could drill a well in half the time it would take a major oil company," as famed geologist Michel Halbouty recalled, "and a man inclined to raise his fists at every affront whether large, small, or imaginary ... but he could charm Lady Godiva off her horse."

Next month, Jaworski's first direct contact with McCarthy is a memorable one.

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 October 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).

## OCTOBER QUIZ

What former mid-sized independent 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?

### ANSWER TO SEPTEMBER'S QUIZ

*The name given to the gas field that extended across the "valueless" area stretching from the Four Corners up the western slope of the Rockies in Colorado and Utah is the Piceance gas field (English translation of the original Indian name is "tall grass.")*

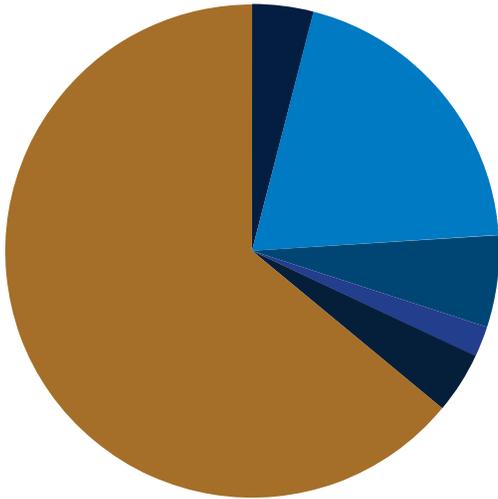
### MAY'S WINNER

Walt Laflin

# SPE-GCS MEMBERSHIP REPORT

## THROUGH JULY 2017

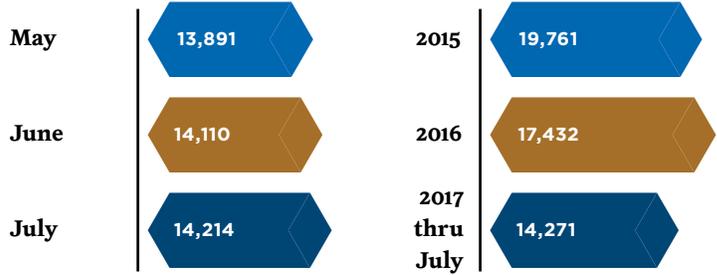
### TOTAL SPE-GCS MEMBERSHIPS



**PROF RENEWED** 11,894      **STUDENTS RENEWED** 1,300  
**PROF NEW** 797              **STUDENTS NEW** 280  
**PROF LAPSED** 3,917        **STUDENTS LAPSED** 600

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### CURRENT MEMBERSHIP TRENDS



### STUDENT MEMBERSHIPS

STUDENTS	RENEWED	NEW	TOTAL*
HCC	34	17	51
Prairie View	16	7	23
Rice	64	64	128
Texas A&M	813	108	921
UH	348	82	430
Unassigned	25	2	27
<b>TOTALS</b>	<b>1300</b>	<b>280</b>	<b>1580</b>

\*This value does not reflect lapsed student memberships

### WORTHWHILE CONVERSATIONS

#### WILL OUR LEADERS EVER "GET ALONG?"

##### How much effect does the divisive political climate in Washington have on wealth planning?

It is easy to conclude everything is riding on what happens in Washington. In our firm's 46-year history, we have watched 12 Presidential administrations, with the Democrats holding 5 and the Republicans holding 7. Each one has generated speculation about effects on wealth planning, but in retrospect, the outcomes have had only minor influence on our client's actual progress.

##### Are you saying people should ignore the political wars?

At a recent Q&A session for a group of clients in Houston, we explained it this way. Political parties have adopted entrenched positions, which appeal to particular groups. Such entrenchment virtually guarantees that Washington will remain occupied by opposing "tribes," with little interest in collaboration. Thus, economic and tax policies are not likely to change radically over short periods of time. The economy and financial markets are, therefore, not waiting around to see what happens in Washington, because frankly, it is not as important as politicians imply. We do not suggest a "head in the sand"

approach, but the quote attributed to Yogi Berra (among others), nails it: "Predictions are difficult, especially if they involve the future."

##### To what then should those aspiring for financial success, be paying attention?

The fundamentals - sound wealth decisions on saving, spending, investing, and protecting. When seeking advice, one should make sure the financial advisor has only the *individual's* agenda in view and operates within the fiduciary standard, where there is a legal obligation to put the client's interest first.

##### Presumably, L&W follows such a fiduciary approach?

Yes. At Linscomb & Williams, we are 100% committed to this fiduciary standard. It gives us focus. Imagine being able to tune out all the "noise" and maintain focus on what brings long-term success. If there is distracting noise in one's financial life, it's time to get a second opinion from an experienced firm with no products to sell. We have a team of professionals - attorneys, MBAs, CPAs, CFA® Charterholders and CFP® Practitioners - to deliver that second opinion, right here at our offices in the Galleria and The Woodlands.



The Linscomb & Williams' team discusses the current political climate and its effect on wealth planning. (Left to right: George Williams; Carolyn Galfione; Ryan Patterson; G. Walter Christopherson; Heidi Davis; Foreground: J. Harold Williams)

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).



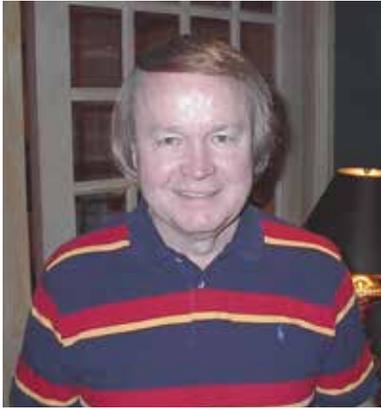
1400 Post Oak Boulevard, Ste. 1000 Houston, Texas 77056  
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Linscomb & Williams is not an accounting firm.



# SPE-GCS VOLUNTEER SPOTLIGHT

This month the SPE Gulf Coast Section is excited to feature Robert “Buddy” Woodroof and La Kietra “Kiki” Lockett as Volunteers of the Month.



**ROBERT “BUDDY” WOODROOF**

**R**obert “Buddy” Woodroof is the Programs Lead for the SPE-GCS Westside Study Group.

Buddy got involved with SPE locally as a study group Program Chair, nationally by writing and presenting technical papers at ATCEs, and internationally serving on the Well Completions Committee and the Distinguished Lecturer Committee.

Buddy’s SPE experiences include being the Westside Study Group Chair and Program Chair; two terms on the Well Completions Committee; multiple terms on the Distinguished Lecturer Committee (including two as Chair); serving as a steering committee member for numerous SPE ATWs and forums; several years served as a judge for the annual ATCE PetroBowl; several years as the GCS Programs Chair; a couple of terms as an API-SPE Subcommittee Chair; 17 years on the GCS Newsletter Committee as editor of the Then & Now column, and Chair of the Gulf Coast Section. In addition to his current duties as the Westside Study Group Chair, he is editor of the newsletter column, an Awards Banquet Committee member, and upcoming ATCE PetroBowl judge.

What motivates Buddy as a volunteer? Highlights include technology transfer opportunities, networking with other technical professionals, and mentoring students and Young Professionals. He especially likes serving as a de facto oilfield history commentator.

Buddy has a degree in chemistry. He began his career as a research chemist for a pumping service company in the R&D division and progressed up to Manager of Chemical Research. This was followed by several years as Region Technical Manager for a pumping service company. Currently, Buddy is Technical Manager for ProTechnics, the completions diagnostic division of Core Laboratories.

Buddy says he is blessed to be able to network via SPE with some of the brightest and best that our industry has to offer both today and tomorrow and have fun doing it.



**LA KIETRA “KIKI” LOCKETT**

**L**a Kietra “Kiki” Lockett is an active member of the Society of Petroleum Engineers. For the past six years, she has served as Program Administrator of the PetroTech Study Group, which provides a venue for SPE petroleum engineering and geoscience technicians to exchange knowledge and experience, gain education in new technology and applications, and facilitate the development of professional relationships within the oil and gas industry. Kiki locates and recruits multidisciplinary guest speakers to present topics of interest to PetroTech members, with an emphasis on industry-wide technology.

Kiki’s journey with SPE-GCS began in 2003, when she began her career in the oil and gas industry as a Regulatory Technician with Chevron. The industry piqued Kiki’s interests, and she joined SPE to engage and interact with others in her new field.

Her subsequent membership in PetroTech motivated her to become more involved with SPE. Prior to her tenure as Program Administrator, Kiki was PetroTech’s Membership Coordinator. In this role, she recruited new members and served as a reference point for the study group.

Kiki works as a Compliance Analyst for Carrizo Oil and Gas in Houston. At Carrizo, she monitors state and federal regulations; implements health, safety, and environmental programs; and verifies their compliance. Previously, she was a health, safety, and environmental regulatory and compliance specialist with Triple Five Energy Resources, also in Houston.

Volunteering is a passion of Kiki’s, and she gives her time to several organizations. She especially values her work with SPE-GCS and PetroTech because, she says, “I like sharing time with people in my field.”

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

## INTERNATIONAL

### Domestic and International LNG Trade and Development

With the US LNG export market on the rise, the International Study Group is hosting an internationally focused LNG discussion. LNG experts from the industry and academia will discuss domestic and global LNG trade and developments, including markets, projects, technologies, and environmental lifecycle research.

#### ELIAS CORTINA

Elias Cortina provides expertise on gas and LNG market fundamentals. He leads an International Gas Union (IGU) team to develop the Annual IGU LNG Report. He also participates in an IGU study group working to promote market liquidity of LNG.

#### DR. SARAH MARIE JORDAAN



Dr. Sarah Marie Jordaan has worked on the environmental and economic implications of energy systems aimed at improving science, technology and policy. Some of her recent research has focused on natural gas markets and the environmental implications of expanding international LNG trade.



*Tuesday 10.3.17*

**11:30 AM – 1:00 PM**

#### SPEAKERS

Elias Cortina  
Chevron

Dr. Sarah Marie Jordaan  
Johns Hopkins University

#### LOCATION

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

#### EVENT CONTACT

Mark Sokolow  
mtsokolow@yahoo.com

## PETRO-TECH

### Basic Log Analysis and Understanding

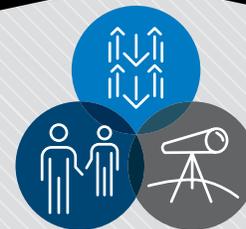
In petrophysics, there are very few black and white rules. Many techniques can be used to calculate different results. The different calculations used in today's analysis can have a large impact on the outputs. What is the difference in water saturation calculations? How can we calculate TOC differently? How do you get porosity from the different tools? What can you do if you don't have a full data suite? What happens with different vintages of logs or different logging companies? What is the critical data for a complete understanding of the reservoir to be characterized?

#### GALEN DILLEWYN



Galen Dillewyn joined NUTECH in 2009. He is Area Account Manager for Houston, Austin, San Antonio, Corpus Christi, and Louisiana. He has grown and developed NUTECH's client base as a technical liaison between the end user and the technical group. Previously, he spent nine years with Schlumberger, as a field engineer, operations manager, and in-house technical support for several super majors. Dillewyn

holds a bachelor's degree in chemical engineering from Texas Tech University.



*Tuesday 10.10.17*

**11:30 AM – 1:00 PM**

#### SPEAKER

Galen Dillewyn  
Area Account Manager  
NUTECH

#### LOCATION

SPE-GCS Office  
10777 Westheimer Rd, Ste 1075  
Houston, TX 77042

#### EVENT CONTACT

Vanessa Mills  
vmills@collarini.com



Thursday 10.12.17

11:00 AM – 1:30 PM

**SPEAKER**

HE Zhang

Business Development Engineer  
Ryder Scott

**LOCATION**

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

**EVENT CONTACT**

Barry Faulkner  
barryf1944@gmail.com

## GENERAL MEETING

### Application of Extended Exponential Decline Curve Analysis

This presentation will discuss updates and progress regarding the use of a modified technique for extended exponential decline curve analysis, which is especially useful in shale reservoirs. In the original Arps paper on decline curve analysis (DCA), the  $b$ -factor of the hyperbolic equation was assumed to be a constant and limited to values less than or equal to 1.0. However, many literature papers and field observations have shown that the  $b$ -factor changes with time in shale wells and, in many cases, can be well above 1.0. As a result, evaluators have modified the original DCA to incorporate a  $b$ -factor greater than 1.0 and a minimum exponential decline rate ( $D_{min}$ ) at the late-time. Extended Exponential Decline Curve Analysis is an alternative method with advantages to forecast shale well performance without requiring an a priori prediction of  $D_{min}$ . It can also be used to calculate the transient  $b$ -factor over time and determine a value for  $D_{min}$ .

#### HE ZHANG



HE Zhang has published over 40 technical papers. He has held chair positions or served as a committee member for SPE ATCE and the SPE Asia Pacific Oil & Gas Conference & Exhibition. Zhang is also an adjunct faculty in petroleum engineering at the University of Houston-Victoria. Zhang has dual BS degrees from the University of Science & Technology of China and a PhD in petroleum engineering from Texas A&M University. He is a registered Professional Engineer in Texas, an SPE Certified Petroleum Engineer, and member of Society of Petroleum Evaluation Engineers.



Tuesday 10.17.17

11:30 AM Lunch, 12:00 PM Start

**SPEAKER**

Jill Niswonger

Enterprise Risk Manager  
Marathon Oil

**LOCATION**

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

**EVENT CONTACT**

Kathleen Antoine  
kathleencantoine@gmail.com

## HSSE-SR

### Managing Enterprise Risks as an Independent Exploration and Production Company

Risk-taking is a prerequisite to success – without risk, there is no reward. Some risks must be exploited to take advantage of strategic opportunities. Conversely, risks that threaten success must be mitigated. Therefore, companies must identify and evaluate potential events, and manage the associated risks in accordance with their risk appetite, thereby providing some assurance regarding the achievement of their objectives. The Enterprise Risk Management process and the associated governance, structure, methodology, and tools support the identification and effective management of the most significant risks facing the company today.

**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.

#### JILL NISWONGER



Jill Niswonger is the Enterprise Risk Manager for Marathon Oil Company. Her career includes roles in upstream and downstream with a focus on health, environment and safety, auditing, management systems, and risk. She is an active member of the Corporate Emergency Response Team and has served on committees for API, STEPS and STEER. Niswonger holds a BS from Bowling Green State University and an MS in environmental management from the University of Findlay. She is a Certified Safety Professional with over 20 years of experience.

## PERMIAN BASIN

### The Use of 100-Mesh Sand (and Smaller!) in Unconventionals

Historically, the go-to means of reducing fluid leakoff during a hydraulic fracture stimulation was to add 100-mesh sand to the frac fluid. However, in Unconventionals, more and more operators are looking to 100-mesh proppants – and even smaller – to prop open narrow fissures and natural fractures in order to maintain their flow potential when a well is produced. We will explore the potential benefits and drawbacks of 100-mesh-size proppant in stimulation operations for Unconventionals. Consider that 100-mesh is often:

- A low cost (potentially the lowest cost) option for proppant that is believed to provide the necessary conductivity
- A size that is most likely to navigate the variable aperture along the hydraulic fracture
- A size that is most likely to be able to enter and prop open a natural fracture
- A size/density that is reasonably favorable for proppant transport

We will also consider operator experiences in pushing toward the use of more 100-mesh and smaller proppants.

#### DR. NEAL NAGEL



Dr. Neal Nagel is Chief Engineer for OilField Geomechanics LLC based in Houston. He is chairman of the Geomechanics Technical Section of SPE, a member of the SPE RDD committee, and a past SPE Distinguished Lecturer. He was chief editor of the 2010 SPE Monograph on Solids Injection, has served on the SPE Drilling and Completions Committee, and is a past local SPE officer. Before beginning consulting work in 2009, he worked for 20 years with ConocoPhillips as a worldwide geomechanics specialist. He has given many SPE, AAPG, HGS, SEG, and SPWLA presentations and authored or co-authored more than 50 technical papers.



*Tuesday 10.17.17*

**11:30 AM – 1:00 PM**

#### SPEAKER

Neal Nagel  
Chief Engineer  
OilField Geomechanics LLC

#### LOCATION

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

#### EVENT CONTACT

Aaron Burton  
waaronburton@uogtraining.com

## WESTSIDE

### Extending the Life of Unconventional Plays with EOR Optimization and Reservoir Diagnostics

Enhanced Oil Recovery (EOR) technology in unconventional plays aims to increase ultimate recoveries and extend the economic life of the field. Laboratory procedures and injection protocols have been developed to identify EOR techniques that would be most effective in unconventional reservoirs. Laboratory experiments show significant improvements in oil recovery factors by cycling of in-situ light hydrocarbon gases and subsequent adsorption. Field implementation of these technologies requires diagnostic services to determine if the injection gases are being contained within the target stratigraphic zone(s). These diagnostic data also provide insights into reservoir volume contacted, breakthrough times, and communication pathways. This presentation will focus on EOR optimization techniques performed in conjunction with reservoir diagnostics to extend the life of unconventional plays.

#### SWATHIKA JAYAKUMAR



Swathika Jayakumar is a Region Engineering Advisor on the Global Technology Team at the ProTechnics Division of Core Laboratories in Houston. She has over five years of industry experience, which includes the utilization of tracer diagnostics for completions and IOR/EOR optimization and polymer gel treatments for conformance control in mature fields. Jayakumar has a MS in petroleum engineering from Texas A&M and a BS in chemical engineering from Anna University in India.



*Wednesday 10.18.17*

**11:30 AM – 1:00 PM**

#### SPEAKER

Swathika Jayakumar  
Region Engineering Advisor  
ProTechnics Division of  
Core Laboratories

#### LOCATION

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

#### EVENT CONTACT

Stephen Loving  
stephen.loving@corelab.com



Thursday 10.19.17

11:30 AM - 1:00 PM

**SPEAKERS**

Bruce Ganer

President & CEO

Sierra Pine Resources International

**LOCATION**

Southwestern Energy Campus

10000 Energy Dr

Spring, TX 77389

**EVENT CONTACT**

Jon Spencer

jon.Spencer@tracerco.com

**NORTHSIDE**

**Case History of Cotton Valley Sand Log Interpretation For a North Louisiana Field**

Accurate porosity and water saturation determination of Cotton Valley sandstone is difficult because typical porosities are below 12%. In this range, the errors from log-derived porosity and water saturation values can cause significant misinterpretation of productive potential. Such errors can result from the presence of secondary matrix mineralization, parameters selected to calculate porosity and water saturation, and calibration inaccuracies.

The Cotton Valley sands are a complex intermingling of minerals and carbonates. Carbonates in isolated intervals can account for as much as 50% of the rock matrix. The heavy minerals, when unaccounted for, can result in pessimistic log-derived porosity and, hence, overlooked commercial potential. Also, calibration inaccuracies can result in either optimistic or pessimistic porosity analysis, further confounding commercial evaluation. Variations in grain size coupled with the mineral composition complicate permeability determination.

**BRUCE GANER**



Bruce Ganer has over 40 years of experience in oil and gas. He served in a variety of roles at Pennzoil, including as head of Pennzoil Oil & Gas International's worldwide technical services. In 1997, Ganer founded Sierra Pine Resources International. SPRI has grown into an industry-leading reservoir evaluation and geoscience consulting firm, working on some of the most challenging plays for some of the largest operators in the world. Ganer holds BS degrees in physics and mathematics from Central Michigan University and an MS in petroleum engineering from the University of Houston.



Thursday 10.19.17

11:30 AM - 1:00 PM

**SPEAKER**

Hani Ibrahim

Director, Drilling Solutions

Quantico Energy Solutions

**LOCATION**

The Petroleum Club of Houston

1201 Louisiana St, 35th floor

Houston, TX 77002

**EVENT CONTACT**

Tom Wick

fieldwick2@gmail.com

**DRILLING**

**Digital Transformation Approach to Holistic Drilling Optimization**

Operators continue to look for solutions that optimize and lower cost and risk, yet provide proven, accurate results. Advancements in digitalization have augmented the ultimate goal of real-time, holistic drilling optimization utilizing all available elements in the drilling environment. The unique solution provides formation characterization through artificial intelligence software that computes the real-time Unconfined Compressive Strength (RT-UCS) of the rock while drilling using Gamma Ray (GR) and sonic logs derived from drilling dynamics via Synthetic Logging While Drilling (SLWD). This solution delivers the same accuracy as conventional logging tools, while reducing the cost and risk of obtaining open hole logs.

**HANI IBRAHIM**



Hani Ibrahim's career encompasses engineering and operations posts in the US, Europe, and the Middle East with operators and service companies with global coverage. Previously, he served as Drilling Advisor and Area Drilling Manager for D&M Schlumberger. Ibrahim has been an SPE member for over 35 years. He has taught many industry seminars and published many SPE papers, mainly on drilling optimization. He has been involved in drilling optimization for over 15 years and in the drilling industry for over 35 years. Ibrahim holds a BS in petroleum engineering from Suez Canal University.

**MEMBERS**

\$40/\$50 Walk-In

**NON-MEMBERS**

\$50

**STUDENTS/MIT/RETIRED**

\$15

\*Pre-Payment must be made at time of registration.

## RESERVOIR

### Understanding the ‘Frac-Hits’ Impact on a Midland Basin Tight-Oil Well Production

The presentation will feature a mechanistic study for understanding the impact of “frac-hits” on the tight oil ultimate recovery. Frac-hits are the invasion of fracturing fluids into an existing producer while a neighboring well is being fractured. Data suggest that substantial amounts of fracturing fluids from offset wells may invade existing producers, indicating a high degree of connectivity.

The presenters assessed the impact of frac-hits on oil production. The results indicate that the impact can be significantly different depending on producing pressure of the impacted wells. Given this, oil production may be optimized by coordinating the fracturing sequence and spacing to avoid frac-hits below the bubble point and avoid re-fracturing in the region below the bubble point.

#### DENGEN ZHOU

Dengen Zhou, a senior gas EOR advisor of Chevron Corporate, holds a PhD in chemical engineering from Technical University of Denmark. He has over 30 years of research and industry experience. His major research interests are gas EOR and tight rock and unconventional resources development.

#### HAO SUN

Hao Sun is a petroleum engineer in the Reservoir and Production Engineering department of Chevron Energy Technology Company. He holds a PhD in chemical engineering from Rice University. He has six years of experience with Chevron working in tight rock unconventional reservoir engineering and gas EOR pilot design/simulation (Midland Basin Shale/Tengiz).

**MEMBERS**  
\$45/\$55 Walk-In

**NON-MEMBERS**  
\$55

**STUDENTS/MIT/RETIRED**  
\$15



Thursday 10.19.17

11:30 AM – 1:00 PM

#### SPEAKERS

Dengen Zhou  
Hao Sun  
Chevron

#### LOCATION

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

#### EVENT CONTACT

Swathika Jayakumar  
swathika.Jayakumar@corelab.com

## BUSINESS DEVELOPMENT

### Clash of the Titans – Delaware vs. Midland, and the Rise of the Sub-Basins

The Permian Basin has the largest rig activity in the Lower 48. Both the Midland Basin and the Delaware Basin have shown prolific wells and great potential. But from an investor perspective, which is the better investment?

The popular 5-6 PM networking happy hour and the 6-7 PM presentation will be on the third-floor mezzanine.

#### MICHAEL WICHTERICH



Michael Wichterich is founder and Chief Executive Officer of Three Rivers Operating Company III LLC. He founded the initial Permian-focused Three Rivers Operating Company I LLC in 2010 and Three Rivers Operating Company II LLC in 2012. Over the course of five separate sales, through the divestiture of a majority of the assets of both Three Rivers I and Three Rivers II, Wichterich and the Three

Rivers team have generated total sales proceeds of more than \$2 billion and profits in excess of \$1 billion. Wichterich is a graduate of the University of Texas.

**MEMBERS**  
\$40/\$55 Walk-In

**NON-MEMBERS**  
\$50/\$55 Walk-In

**STUDENTS/MIT/RETIRED**  
\$15 in advance online



Wednesday 10.25.17

5:00 – 7:30 PM

#### SPEAKER

Michael Wichterich  
President  
Three Rivers Operating  
Company III LLC

#### LOCATION

Four Seasons  
1300 Lamar St  
Houston, TX 77010

#### EVENT CONTACT

Cody Felton  
Cody.Felton@energynet.com



Wednesday 10.25.17

11:30 AM - 1:00 PM

**SPEAKER**

Anton Babaniyazov  
Staff Production Engineer  
ConocoPhillips

**LOCATION**

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

**EVENT CONTACT**

Reza Safari  
reza.safari@weatherford.com

## COMPLETIONS AND PRODUCTION

### Advanced Production and Operation Analytics Results in Better Decisions

This presentation focuses on steps needed to advance oilfield production and operations analytics. Specifically, it will be demonstrated how engineers can learn from unstructured and structured data, what decisions this learning may impact, and why, in spite of the high upside, operations analytics have not progressed beyond visualization and business intelligence tools. Finally, the solution will be provided to facilitate the learning and analytics adoption process.

#### ANTON BABANIYAZOV



Anton Babaniyazov is a Staff Production Engineer for ConocoPhillips. He leads the implementation of infill drilling and recompletion programs in the Permian Conventional Asset. Previously, Babaniyazov served in upstream production and development positions for Schlumberger - Integrated Project Management, including Drilling Engineer in Oman, Facility and Production Engineer in South Africa offshore, Production Lead for gas assets in Romania, and reservoir and production engineering assignments in West Texas. He holds an MS in petroleum engineering from Tomsk Polytechnic University.



Wednesday 10.25.17

5:30 - 7:30 PM

**SPEAKERS**

Scott Kimbleton  
John Matson  
IBM

**LOCATION**

TBD

**EVENT CONTACT**

Supriya Gupta  
supriya026@gmail.com

## DATA ANALYTICS

### Applying Cognitive Analytics to Offshore Production

IBM Watson is a cognitive system enabling a new partnership between people and computers. In this demo of Watson, an immediate problem is alerted: a dramatic increase in water in a producing well that requires a short-term corrective action. You'll then see a diagnosis of the root cause of the problem and the remedy. We'll show you "the art of the possible" with Watson. You will see the "power of Watson" via a cognitive system that:

1. Understands and reasons over volumes of structured and unstructured data.
2. Understands the domain jargon.
3. Quickly and proactively delivers evidence-based contextual insights based on your profile.
4. Learns autonomously and keeps adapting to new information and user interactions.

#### SCOTT KIMBLETON



Scott Kimbleton is an Associate Partner in IBM's Cognitive Business Solutions team. He has 15 years of experience delivering cognitive and analytics solutions, the last six of which have been focused on chemicals and petroleum. Kimbleton's responsibilities include cognitive enablement for key clients and IBM industry teams.

#### JOHN R. MATSON



John R. Matson has nearly 40 years of experience in upstream oil and gas, with a background in operations, strategy, technology, engineering, and investor relations. He has spent over 10 years in various consulting roles providing valuable insights on how to improve business performance and increase profitability.

# 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 Holly (Graham) Krus Murphy's story:

My father was an SPE member when I received the SPE scholarship, and it helped me develop contacts and learn more about the oil and gas industry. I became even more interested in making it my career choice after two summers as an engineering intern with Amoco Production Company working the North Permian area and then the East Texas area. Both internships involved fracture treatment design.

After graduating from Texas Tech, I started my career as a Petroleum Engineer at Amoco Production Company in Houston, working the East Texas Field and Cotton Valley trend.

Working for a major company helped me obtain extensive training that would help me throughout my entire career. I spent many days in the field learning as much as I could from the people who work out there every day. That time was invaluable in helping me become a better engineer.

After working there for five years, I went to work for Merak Projects, which developed value management software for the oil and gas industry. I really enjoyed working with companies helping them to generate more value for their company utilizing our software. Then I joined one of my clients, Oxy, in the Permian Business Unit in the Planning group. During that time, I completed my MBA.

In 2007, I went to work for my current employer, Citation Oil & Gas Corp., as Director of Strategic Planning. We manage all planning functions of the company and work closely with the executive team, engineering groups, and region offices to establish and track capital, operating and financial budgets. We also manage the outside-operated properties in which Citation has an interest. I enjoy working for a smaller, private company where each individual can truly see the value they contribute to the company.

My advice to students is to find something you truly love to do and make a career out of it.

## HOLLY KRUS MURPHY



### CAREER OVERVIEW

**Director, Strategic Planning at Citation Oil & Gas**

- James E. Taylor High School – 1988
- Texas Tech University, BS in mechanical engineering (cum laude)
- University of Phoenix, MBA

### SPONSORSHIP

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

### DONATION INFO

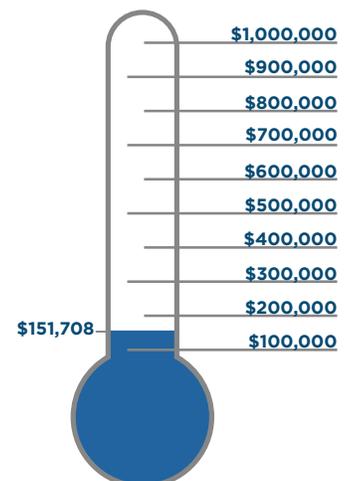
[spegcs.org/spegcs-scholarship-fund/](http://spegcs.org/spegcs-scholarship-fund/)

# SPE-GCS Scholarship Fund Update

We are excited to announce the status update for our fundraising efforts. As of September 1, 2017, we have raised **\$151,708\*** to support our scholarship program! We have received donations from past scholarship recipients who wanted to give back, as well as SPE-GCS Board of Directors members, study group and committee leaders, event attendees, members and associates. We have also received support from SPEi leaders and from companies.

For more information about our scholarship fund, scholarship program, or our current donor list, visit [www.spegcs.org/spegcs-scholarship-fund/](http://www.spegcs.org/spegcs-scholarship-fund/). You will find testimonials from past scholarship recipients about the impact the scholarships have had on their lives and careers. If you have not yet donated, we invite you to visit our website and support our efforts as a member of the SPE-GCS family and fellow industry professional. All donations are tax-deductible. We also encourage you to find out if your company has a matching program that could make your individual donation go even further!

## FUND STATUS



# Upstream Oil & Gas Professionals Hiring Event

The Members in Transition committee invites you to the second edition of the Upstream Oil & Gas Professionals Hiring Event. After the success of the inaugural event in March, we continue to provide a platform connecting experienced job seekers with upstream oil and gas companies.

**Job seekers:** Around 40 companies are expected. Meet with employers hiring for professional upstream positions.

**Employers:** A booth at the Hiring Event presents an ideal opportunity to fill your job vacancies while providing valuable exposure for your company. Hundreds of high-quality, experienced individuals in the upstream oil and gas industry are expected to attend.

**Sponsors:** You may also choose to raise your company profile by becoming a sponsor, whether you are recruiting or not. Sponsorship packages range from \$200 to \$2,000. Sponsorship of the Hiring Event will help build your name, image and pride by supporting an event that helps fuel and sustain the Gulf Coast area oil and gas industry. You don't have to be an employer to become a sponsor. For details on packages and how to apply for a sponsorship, please visit [spegcs-mit-hiringevent.org/sponsorship/](http://spegcs-mit-hiringevent.org/sponsorship/).

**Collaborating Professional Organizations:** We also seek to collaborate with other upstream professional organizations to further promote the event among their members and members in transition. As we confirm more professional organizations' participation, we will post them at [spegcs-mit-hiringevent.org/employers-sponsors/](http://spegcs-mit-hiringevent.org/employers-sponsors/).

For more information, visit the Hiring Event website at [spegcs-mit-hiringevent.org/](http://spegcs-mit-hiringevent.org/) or email [spegcs.mit.hiringevent@gmail.com](mailto:spegcs.mit.hiringevent@gmail.com)

## BEFORE THE EVENT -

### Bringing Your Best to the Job Search

Join our panel of three speakers for an interactive discussion on how to relaunch your job search. You'll learn a tactical approach, including how to work with your networks and how to champion yourself with enthusiasm. For more information, visit [spegcs-mit-hiringevent.org/speaker-panel/](http://spegcs-mit-hiringevent.org/speaker-panel/).

**This session is in Room 110 of the Trini Mendenhall Community Center. It starts at 8:30 AM on the same day as the Hiring Event and will wrap up by 10 AM.**

## SPEAKERS



Cheryl Collarini  
Chairman  
Collarini Companies



Anthony Caridi  
Division Manager  
QTSI - A Qualitec Company



Abhijeet Narvekar  
Chief Executive Officer  
FerVID Group

## EVENT INFO

TUESDAY

**10.3.17**

10:00 AM - 3:00 PM

### LOCATION

Trini Mendenhall Community Center  
1414 Wirt Rd  
Houston, TX 77055

### EVENT CONTACT

Tarek Ghazi  
281-961-7632

James Rodgerson  
281-221-4085

Daniel Mendez  
713-301-3317

### EMPLOYER PRICING

Pricing is based on number of employees.  
Less than 50-\$100; between 51 and 1,000-\$500; more than 1,000-\$1,000

### SPONSORS

Bronze-\$200, Silver-\$300, Gold-\$500,  
Platinum-\$1,000, Diamond-\$2,000

### ONLINE REGISTRATION

#### Employers

[spegcs.org/events/3624/](http://spegcs.org/events/3624/)

#### Job seekers

[spegcs.org/upstream-oil-and-gas-professionals-hiring-event-registration-summary-page/](http://spegcs.org/upstream-oil-and-gas-professionals-hiring-event-registration-summary-page/)



**UPSTREAM OIL & GAS**  
PROFESSIONALS HIRING EVENT

# Networking and Mentoring to Build Beneficial Relationships

Networking is one of the most powerful tools for accelerating and sustaining successful careers. Learn how to grow your networking skills to influence change and to build collaborative relationships that add value both for your career and for your employer.

Mentoring will always be an integral part of our development and will enable us to gain personal and professional skills needed to face the challenges ahead. Its importance becomes evident as we recognize the value of networking, advice and support a mentor can give us when developing a quality and healthy relationship.

## SUSAN HOWES

Susan Howes is VP of Engineering at Subsurface Consultants & Associates, LLC. She was formerly a reservoir management consultant at Chevron and a learning and organizational development manager at Anadarko. She has coauthored papers and articles on uncertainty management, risk management, and talent management for SPE conferences and publications. Howes is past chair of the SPE Soft Skills Committee and previously served as SPE Regional Director for Gulf Coast North America. She received the SPE DeGolyer Distinguished Service Medal and is an SPE Distinguished Member.

## ROGER HITE

Roger Hite is founder and principal of Inwood Solutions, LLC, based in Houston. Inwood Solutions provides consulting in petroleum engineering, project management, enhanced oil recovery, and reservoir simulation. Previously, he worked for Shell Oil Company in roles including Engineering Manager; Manager, Production Technology; and Director, Production Research. Hite was Chairman of the Gulf Coast Section in 2006-2007 and is currently Director of the Gulf Coast North America Region on the SPE International Board.

## EVENT INFO

WEDNESDAY

**10.4.17**

9:00 AM - 12:30 PM

### SPEAKER

Susan Howes  
VP of Engineering  
Subsurface Consultants & Associates, LLC

Roger Hite  
Founder and Principal  
Inwood Solutions, LLC

### EVENT LOCATION

Newpark Drilling Fluids  
21920 Merchants Way  
Katy, TX 77449

### EVENT CONTACT

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

### MEMBERS & NON-MEMBERS

\$45

### STUDENTS/MIT/RETIRED SPE

\$20

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# Accelerated Learning Tutorial: An Overview of Multistage Completion Systems for Hydraulic Fracturing

Shales and other low-permeability formations require multistage completions, hydraulic fracturing, and horizontal wells to produce at economic rates. This course focuses on the multistage completion systems that are used in these applications. Participants will learn the different types of wellbore completion options and how they compare in different applications.

Topics include:

- Basics of hydraulic fracturing theory and design
- Evolution of multistage completions
- Wellbore completion options for multistage hydraulic fracturing
  - Plug-and-perf completions
  - Ball-activated completion systems (frac sleeves)
  - Coiled-tubing-activated completions systems (annular fracturing)
- New multistage completion technologies
- Benefits and considerations for each completion system
- Application specific solutions for wellbore completion design
- Challenges and options of refracturing existing wells

## W. AARON BURTON

W. Aaron Burton's career has been focused on the completion of shales and similar unconventional plays that require multistage hydraulic fracturing. In 2015, Burton started Unconventional Oil and Gas Training, a company specializing in training and consulting for unconventional multistage completions. Previously, he was with Baker Hughes for nearly eight years. He has completed wells, conducted training, and consulted on projects worldwide. Through his experience, he has developed a solid understanding of reservoir properties and stimulation design that are used in a data-driven approach to more effectively design completions in unconventional wells.

# Rebuilding Together - Houston

Rebuilding Together - Houston (RT-H) is Houston's largest community outreach organization working to preserve affordable homeownership and revitalize neighborhoods. They provide home repair and renovation services at no cost to low-income homeowners in need, such as the elderly, individuals with disabilities, veterans, and people impacted by natural disasters.

RT-H constructs wheelchair ramps, installs handrails, installs doors with peepholes and security locks, and makes many other improvements that make homes safe, warm and dry.

RT-H needs volunteers of all experience levels to help their Fall 2017 Home Repair Program. The YP group will be leading a team. Please join us in using our handy engineering skills to give back to the community!

**The YP team will work at a Houston home on October 21. If work isn't completed, an October 28 workday will be scheduled.**

## ONLINE REGISTRATION

[spegcs.org/events/3688/](http://spegcs.org/events/3688/)



## EVENT INFO

FRIDAY

**10.6.17**

8:30 AM - 4:30 PM

### SPEAKER

W. Aaron Burton  
Founder  
Unconventional Oil and Gas Training

### 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

### MEMBERS & NON-MEMBERS

\$350

### STUDENTS/MIT/RETIRED SPE

\$150

## EVENT INFO

SATURDAY

**10.21.17**

8:00 AM - 5:00 PM

### LOCATION

TBD

### EVENT CONTACTS

Mollie Garvey  
[garvey906@gmail.com](mailto:garvey906@gmail.com)

Matt Mayer  
[matt\\_mayer@hotmail.com](mailto:matt_mayer@hotmail.com)

# Members in Transition Initiative

## 21ST 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 21st seminar in the series will include “The Emerging Energy Portfolio Transformation,” “How Can We Promote Inventors in the Innovation Lifecycle,” “Where Is Value? Where Are You? Where Is Your Customer?,” and a discussion of resources for SPE members.

### Program 1: The Emerging Energy Portfolio Transformation

With annual energy demand growth at 2.1%, the energy industry is expected to double by 2050 to support global prosperity. The emerging energy portfolio transformation combined with the intensification of analytics, AI, and digital technologies brings challenges and new opportunities for organizations and individuals.



#### PATRICIA VEGA

As Energy Innovation & Emergent Technologies Leader, Patricia Vega is a member of BHGE’s Integration organization. She previously served as Global President and CEO for the Evaluation and Optimization business in GE Oil & Gas. She joined GE as Latin America’s President and Regional Board of Directors member. Her experience with operators and the Big 3 services companies spans from reservoir characterization to final off-take.

### PROGRAM 2: How Can We Promote Inventors in the Innovation Lifecycle?

There is a perception outside of the industry that innovation doesn’t happen in oil and gas, or at least not as much as it should. We will assess the velocity and diversity of innovations across key technology domains, and highlight the inventors behind them. For discussion, bring your insights on how can we promote inventors in the innovation lifecycle.



#### CANDICE LANDRY

Intent on connecting innovation contributors, Candice Landry aims to strategically position and protect intellectual property, while advocating cross-discipline invention. She has been recognized for leadership in the innovation lifecycle, change implementation, and mentoring. When she’s not evaluating tech trends, Landry is likely behind a macro lens or supporting STEM initiatives.

### PROGRAM 3: Where Is Value? Where Are You? Where Is Your Customer?

The essential value of a petroleum engineer is always applicable. We endure the painstaking balancing of risk and value to conduct a precious resource to the light of day and connect it with customers where humanity is served. Our essential task in this world is to make breakthroughs and connect value, from where it is to where it better serves humanity.



#### MICHAEL DAVIS

Michael Davis is an internationally recognized advisor, contributor, and catalyst of team spirit in the teamwork of higher-performing teams. He appropriates genuine people into competent teams with spirit, aspiration, inspiration, transpiration, perspiration, trust, intention, accountability, responsibility, and integrity. Davis focuses on critical issues, tasks, elements, spaces, and a quintessential mindset that creates “work situations” leading people to succeed.

## EVENT INFO

FRIDAY

**10.20.17**

10:00 AM – 3:00 PM

### SPEAKERS

Patricia Vega  
Energy Innovation & Emergent  
Technologies Leader  
Baker Hughes, a GE Company

Candice Landry  
Principal Innovation Strategist  
10e5 Solutions

Michael Davis  
Chief Executive Officer  
Drill Science Inc.

### 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

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### STUDENTS/MIT/RETIRED SPE

\$15

Registration capped at 70

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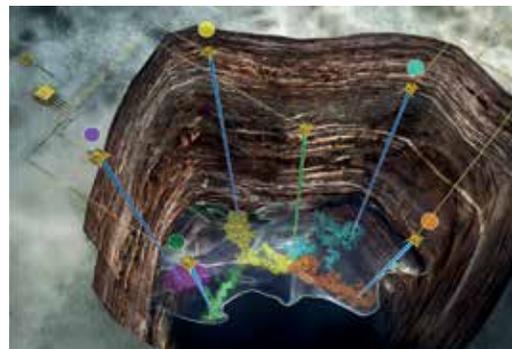
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Providing Insight Onsite

# Corporate Leadership to Private Equity-Backed – Perspectives from Both Sides

Do you work at a large corporation in the oil and gas space? Have you ever wondered what it is like to work at a smaller company backed by a private equity investment fund? Our panelists with both E&P and OFS backgrounds will share their thoughts and advice, as well as what their experiences have been like in both situations. We will explore topics including capital allocation decision making, what it is like to work in a smaller company with fewer resources, and how to manage growth. The panel will provide anecdotes from their careers and insights for those considering making the jump from a large corporation to a private equity-backed company.

A cocktail reception will take place before the event, sponsored by our host, McKinsey & Company.



## JASON TUROWSKY (MODERATOR)

Jason Turowsky joined Intervale Capital in 2013 after spending 10 years at Falconhead Capital, a New York-based middle market private equity fund. At Falconhead, Turowsky focused on evaluating, executing and monitoring investments across a wide range of industries.

Before Falconhead, Turowsky worked at UBS Investment Bank. He received his BA in economics, with honors, from the University of Pennsylvania.



## JASON CHURCHILL, P.E.

Jason Churchill is PetroLegacy Energy's Chief Executive Officer and leads a team with more than 15 years of industry experience in the exploration, development and optimization of oil and gas properties. Before his current role, he served as VP-Operations for Venado Oil

& Gas, where he had responsibilities in planning and development of a 40,000-acre project in the East Eagle Ford. Prior to that, he served as Operations Manager for XTO Energy. He began his career as a Drilling Engineer with ExxonMobil. Churchill graduated from the University of Kansas with a bachelor of science in chemical engineering. He is a registered professional engineer in Texas and is a member of the Society of Petroleum Engineers.



## POLIDOROS TREJOS

Polidoros Trejos is a co-founder of Fortuna Resources and Fortuna Resource Mgmt. Trejos serves as Chief Financial Officer. Prior to Fortuna, Trejos was a Vice President of Finance at Sanchez Oil & Gas, where he shepherded Sanchez Energy through its IPO process.

Trejos is a graduate of The University of Texas at Austin with a BBA. He is a member of the Financial Analyst Program Advisory Council at The University of Texas and is a Technoserve Vounteer Consultant Program alumnus.



## ADAM ANDERSON

Adam Anderson is Innovex's Chief Executive Office and has more than 20 years of oilfield service experience managing completion-related operations globally. Previously, Anderson held numerous senior management roles at Baker Hughes. Early in his career, Anderson had

a number of global technical roles largely focused on technical support and operations for the Intelligent Completion product line. He earned an MBA from Duke University and a BS in petroleum engineering from Colorado School of Mines.

## EVENT INFO

WEDNESDAY

**10.4.17**

5:00 – 7:30 PM

### SPEAKERS

Jason Turowsky  
Partner  
Intervale Capital

Jason Churchill  
Chief Executive Officer  
PetroLegacy Energy

Polidoros Trejos  
Chief Financial Officer  
Fortuna Resources / TNM Resources

Adam Anderson  
Chief Executive Officer  
Innovex Downhole Solutions

### LOCATION

McKinsey & Company  
609 Main St  
Houston, TX, 77002

### EVENT CONTACT

Bryan Marlborough  
bryan.marlbrough@gmail.com

### MEMBERS

\$40

### NON-MEMBERS

\$50

### ONLINE REGISTRATION

[spegcs.org/events/3700/](http://spegcs.org/events/3700/)

### PARKING INFORMATION

McKinsey has organized reduced parking rates for attendees wanting to park in the garage. We will have a set fee of \$10 event parking after 5 PM. The parking garage is between Texas Avenue and Capitol Street off of Fannin Street. From the garage, take the elevator to Level 2. When getting off the elevator, the conference center will be to your right.

# International Study Group Event with Ecuador Minister of Hydrocarbons

Are you engaged in business activity in the Ecuadorian energy sector? Are you aware of the Ecuadorian government's initiatives to attract investment? Join Ecuador's Minister of Hydrocarbons, Carlos Pérez, as he presents the latest strategy to encourage investment, including information about upcoming bidding rounds. Along with Perez, panelists Francisco Rendón, Secretary of Hydrocarbons in Ecuador, and Ali Nadir, U.S. Representative in Ecuador, will discuss transacting business in a renovated Ecuador energy sector.

## IVOR ELLUL (MODERATOR)

Dr. Ivor Ellul is founder and managing director of CiSK Ventures, an energy advisory firm. He has been involved in the oil and gas industry for more than 30 years and is a Past Chair of SPE-GCS. Ellul holds a BS in mechanical engineering from the University of Malta and MS and PhD degrees in petroleum engineering from Imperial College, London.

## CARLOS PEREZ

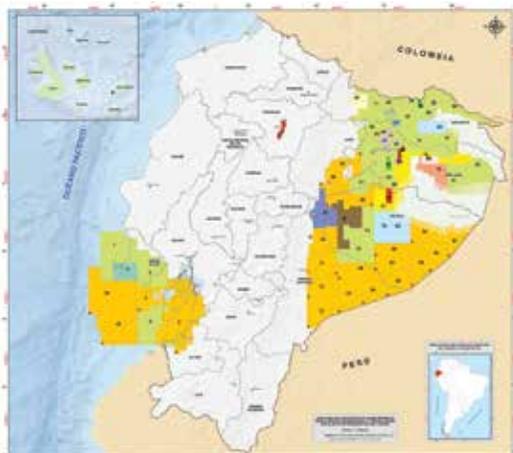
Carlos Perez was appointed as Ecuador's Minister of Hydrocarbons in May 2017. Previously, he was Owner and General Manager of PEMEC Energy Consultants in Quito and held various positions at Halliburton. Before joining Halliburton, Perez worked with Schlumberger and NASA. He has also served as the President of the SPE Ecuador Chapter. Perez holds a BS in electrical engineering from the University of Texas at Austin.

## FRANCISCO RENDÓN

Francisco Rendón was appointed as Ecuador's Secretary of Hydrocarbons in June 2017. He oversees Ecuador's petroleum sector and manages contracts with private operators. Previously, Rendón was Principal Director of Pacific Bank, General Manager of Inter-Institutional Relations at the National Finance Corporation, and Executive Vice President of the administrative council at PetroEcuador. He holds a bachelor's degree from Monterrey Institute of Technology and an MBA from the University of Houston.

## ALI NADIR

Ali Nadir is a Foreign Service Officer at the US Department of State. He serves as an Economic Officer at the US embassy in Ecuador, where he covers petroleum, mining, and transportation issues. He previously served as a Political Officer at the US embassies in Kabul, Afghanistan, and Accra, Ghana. He holds a bachelor's degree in international studies from the University of North Carolina at Chapel Hill and a master's degree in international relations from Georgetown University.



## EVENT INFO

THURSDAY

**10.5.17**

11:00 AM - 1:00 PM

### SPEAKERS

Carlos Perez  
Ecuador Minister of Hydrocarbons

Francisco Rendón  
Ecuador Secretary of Hydrocarbons

Ali Nadir  
Economic Officer at the US  
Embassy in Ecuador

### MODERATOR

Dr. Ivor Ellul  
Founder & Managing Director,  
iSK Ventures

### LOCATION

River Oaks Country Club - Main  
Dining Room  
1600 River Oaks Blvd  
Houston, TX, 77019

### EVENT CONTACT

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

### MEMBERS

\$55

### NON-MEMBERS

\$65

### ONLINE REGISTRATION

[spegcs.org/events/3729/](http://spegcs.org/events/3729/)

### PARKING INFORMATION

Complimentary valet parking only.

# SPE-GCS 34th Annual Tennis Tournament

The 34th Annual Society of Petroleum Engineers Gulf Coast Section Tennis Tournament will be held on Thursday, November 2 and Friday, November 3, at the Copperfield Racquet Club, 15700 Longenbaugh Drive, Houston.

Proceeds from the tournament benefit the SPE-GCS Scholarship Fund, which supports college students studying petroleum engineering, math, and sciences. Our Section has had to cut back on both the number and the amount of the scholarships awarded due to the recent downturn, so your support is needed more than ever. In combination with other section functions, there have been 33 new scholarships for incoming college freshmen studying petroleum engineering, math, and science, as well as 70 renewed scholarships for sophomores, juniors and seniors to continue in petroleum engineering. More than \$3 million in scholarships has been awarded to well-deserving students through this program since 1963.

In 2016, we had a very successful tournament with over 60 players participating. Registrations and sponsorships raised \$9,000. After tournament expenses, net proceeds of almost \$2,500 were contributed to the SPE-GCS Scholarship Fund.

Sponsors are a welcome and essential part of making this event a success. All sponsors will be recognized in the tournament program and on the sponsorship billboard that is exhibited throughout the tournament. Please see the Sponsor Form for sponsorship levels. In-kind donations for ditty bags and door prizes are also accepted.

The 2017 SPE-GCS Tennis Committee looks forward to seeing everyone for two fun-filled days of tennis competition!

## QUESTIONS

**Erin Chang**  
281-892-4720  
erin.chang@bp.com

## LOCATION

**Copperfield Racquet & Health Club**  
15700 Longenbaugh Dr  
Houston, TX 77095  
281-463-2582  
copperfieldclub.com

## START TIMES

**Mixed Doubles**  
6:00 PM Thursday, November 2

**Tournament Doubles**  
9:00 AM Friday, November 3

## DEADLINE

**October 27**  
Participation is limited!  
Entries accepted on a first-come, first-served basis.

Thursday / Friday  
**November 2-3**

THURSDAY 4:00 PM - 9:00 PM | FRIDAY 8:00 AM - 3:00 PM

## EVENT INFORMATION

There will be two flighted round robin events:  
**Mixed Doubles** - Thursday evening  
**Tournament Doubles** - Friday

The tournament doubles event is open to men and women and is a combined bracket. Partners may be of the same gender or mixed.

The committee will assist players who do not have a partner for any event.

## FLIGHTING

**Championship** - Advanced players  
**A** - Regular and advanced players  
**B** - Intermediate players  
**C** - Non-regular players and beginners

The SPE-GCS Tennis Committee reserves the right to allocate players to a different flight if necessary. Please rank yourself on the honor system.

## WHAT TO EXPECT

Lots of tennis, meeting old friends and making new ones. Door prizes, awards, meals, and beverages.

**Thursday** - Light dinner  
**Friday** - Breakfast, lunch and snacks  
**Award presentations, door prizes**

## RULES OF ENTRY

The event is open to members, nonmembers, guests, and friends of SPE. The only restriction is that tennis professionals are not allowed.

## REGISTRATION

Thursday - 4:00 - 6:00 PM  
Friday - 8:30 - 9:00 AM

## IMPORTANT NOTICE

All paid participants must wear their name tags during this event to have access to the food and drinks.

## ENTRY FEES

\$125.00 per person - Fee covers tournament and mixed doubles for an individual player.  
\$50.00 for those only playing mixed doubles.  
\$25.00 - Spouse/guest (not playing)  
Fees are due with entry form.

**Please visit the link below for registration & sponsorship forms:**  
[spegcs.org/events/3676/](http://spegcs.org/events/3676/)

# SPE-GCS STUDENT CHAPTERS

## UNIVERSITY OF HOUSTON

### *UHSPE Initiates GCS Petroleum Library*

Through generous donations by former President Nathan Meehan and former SPE-GCS Chair Jeanne Perdue, UHSPE has initiated the GCS Petroleum Library. Located in our campus's Energy Research Park, the library will provide petroleum engineering students and faculty access to a variety of shared resources. Our aim is to create a sense of community among students and enable a means for graduates and others to give back to our undergraduates in an effort to further their knowledge of engineering. Further donations are welcomed and appreciated in our effort to promote a better learning environment.

## HOUSTON COMMUNITY COLLEGE

### *HCC Kicks Off New Academic Year*

President Aileen Lu, Treasurer Justin Eidson, and new members had their first meeting in preparation for academic year 2017-2018. The student chapter also attended the SPE-GCS Kickoff Meeting, learning from industry leaders how to best serve the chapter.

Stay tuned for the next installment of our Distinguished Speaker Series: "Outlook in the O&G Industry for Job Seekers from Halliburton's Eyes" by Myrtle Jones, Senior Vice President – Tax, Halliburton.

## Student Chapter Directory

### HOUSTON COMMUNITY COLLEGE

Aileen Lu  
aileen.business.us@gmail.com

### RICE

Yichen Liu  
astron.liuy@gmail.com

### TEXAS A&M

Jordan Argamany  
j.argamany@tamu.edu

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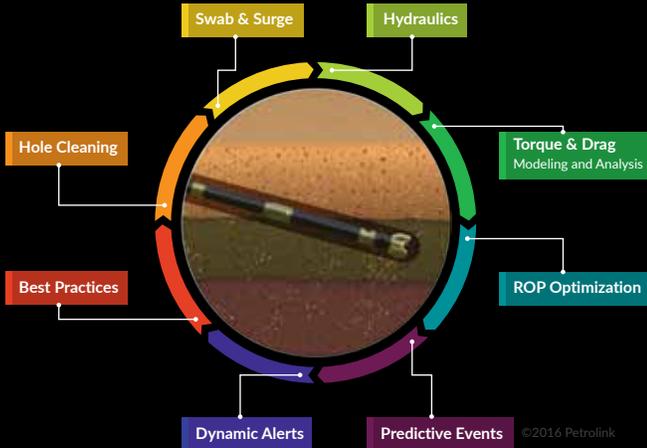
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713-366-5559  
sunil.lakshminarayanan@oxy.com

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832-337-2732  
deepak.gala@shell.com

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Elizabeth Zuluaga, Chevron  
713-372-2249  
ezul@chevron.com

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Prashant Sainani, CIBC  
214-315-5427  
prash87@gmail.com

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Alberto Casero, BP  
832-506-6345  
alberto.casero@bp.com

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### CAREER MANAGEMENT

Mike Redburn, Newpark Drilling Fluids  
307-214-7518  
mredburn@newpark.com

### COMMUNICATIONS

Bryan Marlborough, Peloton  
985-232-0318  
bryan.marlborough@gmail.com

### COMMUNITY SERVICES

Lisa Li, Houston EP  
281-814-6849  
yuli2008@comcast.net

### EDUCATION

Jennifer Pinnick, Chevron  
251-377-3692  
jpinnick@chevron.com

### INNOVATE COMMITTEE

Mikhail Alekseenko, Marathon Oil  
281-513-7078  
mikhailalekseenko@gmail.com

### MEMBERSHIP

Kris Pitta, Occidental Petroleum  
713-366-5238  
Kris\_pitta@oxy.com

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Bill Davis, Halliburton  
281-687-1590  
bill.davis@halliburton.com

### SOCIAL ACTIVITIES

James Jackson  
281-376-1993  
jjackson5223@gmail.com

### YOUNG PROFESSIONALS

Ernesto Valbuena, Chevron  
832-854-6103  
ernesto.valbuena@chevron.com

### DIRECTORS AT LARGE 2017-2019

Adrian Reed, Berkeley Research Group  
713-481-9410  
areed@thinkbrg.com

Nils Kageson-Loe  
281-706-1654  
nilskl@yahoo.com

Marise Mikulis, Baker Hughes  
281-723-2901  
marise.mikulis@bakerhughes.com

### DIRECTORS AT LARGE 2016-2018

Mohammad Tabatabaei  
Newfield Exploration  
281-674-1535  
mtabatabaei@newfield.com

Robert Estes, Halliburton  
281-871-7945  
robert.estes@halliburton.com

Ernie Prochaska, NOV  
281-221-1434  
ernie.prochaska@nov.com

### SPE GULF COAST NORTH AMERICA REGIONAL DIRECTOR

J. Roger Hite, Inwood Solutions, LLC  
713-385-5343  
hite@inwood-solutions.com

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Pavitra Sainani  
pavitra.a.asainani@exxonmobil.com

### GOLF CHAIR

Marc Davis  
mdavis@ccpipellc.com

### INTERNSHIPS

David Li, DSL Ocean Group  
dsl6625@yahoo.com

### MIT

C. Susan Howes,  
Subsurface Consultants & Associates  
c.susan.howes@gmail.com

### NEWSLETTER

Karin Gonzalez, Chevron  
karin.gonzalez@chevron.com

### PUBLICITY

Pablo Perez, Bardasz  
pablo.perez@bardasz.com

### SCHOLARSHIP

Eric Robken  
erobken@ashlandinvest.com  
gcssholarship1@gmail.com

### SPORTING CLAYS

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Erin Chang, BP  
erin.chang@bp.com

### WEB TECHNOLOGY

Lindsey Newsome,  
Newsome Marketing Group  
lindseynewsome@gmail.com

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### BUSINESS DEVELOPMENT

Cody Felton, EnergyNet  
cody.felton@energynet.com

### DATA ANALYTICS

Supriya Gupta, Schlumberger  
Supriya026@gmail.com

## COMPLETIONS & PRODUCTION

John Vozniak, Samoco Oil Tools  
jvoznia@mac.com

## DRILLING

Ernie Prochaska, NOV  
ernie.prochaska@nov.com

## GENERAL MEETING

Robert Saucedo, ASHMIN  
rsaucedo@ashmin.com

## HSSE AND SOCIAL RESPONSIBILITY

Angelo Pinheiro, Marathon Oil  
abpinheiro@marathonoil.com

## INTERNATIONAL

Pablo Perez, Bardasz  
pablo.perez@bardasz.com

## NORTHSIDE

Sumitra Mukhophadhay, Superior Energy  
sumitra.mukhophadhay@  
superiorenergy.com

## PERMIAN BASIN

Chris Nelson  
chris@rivieraensley.com

## PETRO-TECH

Cheryl Collarini - Collarini Energy Experts  
ccollarini@collarini.com

## PROJECTS, FACILITIES, CONSTRUCTION

James Deaver, OFD Engineering  
james\_deaver@ofdeng.com

## RESEARCH & DEVELOPMENT

Amit Patil, Onesubsea  
apatil14@onesubsea.slb.com

## RESERVOIR

Rex Yalavarthi, Unit Petroleum Company  
rex.yalavarthi@unitcorp.com

## WATER & WASTE MANAGEMENT

Barbara Denson, Weston Solutions  
barbara.denson@westonsolutions.com

Kelly Steinberg, Test America

kelly.steinberg@testamericainc.com

## WESTSIDE

Steve Loving, Core Laboratories, LP  
stephen.loving@corelab.com

# CONNECT

## INFORMATION

### EDITOR

**Karin Gonzalez**  
editor@spgcs.org

### ADVERTISING COORDINATOR

advertising@spgcs.org

### BOARD LIAISON

Bryan Marlborough  
bryan.marlborough@gmail.com

### LAYOUT & DESIGN

**DesignGood** | designgood.com  
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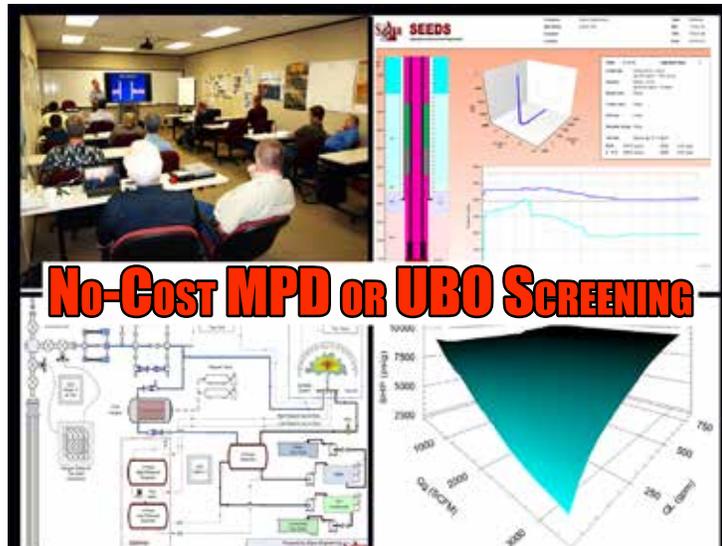
### GULF COAST SECTION ADMINISTRATOR

**Taylor Wright** | spe-gcs@spe.org

### HOURS & LOCATION

10777 Westheimer Rd, Ste 1075  
Houston, TX 77042  
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**Work Schedule - 9/80**

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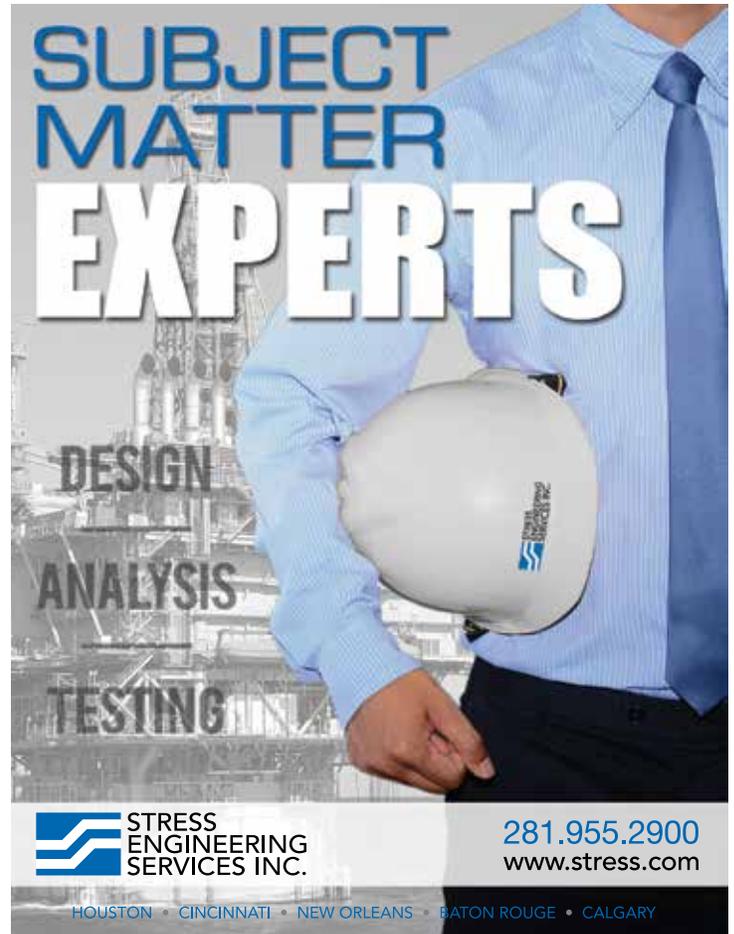
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# October 2017 CALENDAR

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
1	2	International Members in Transition (MiT)	Cont. Education Investment & Finance Initiative	International Study Group Special Event	SPE-GCS Office Closed Cont. Education	7
8	9	Petro-Tech	11	General Meeting	13	14
15	16	HSSE-SR Permian Basin	Westside	Board of Directors Meeting Northside Drilling Reservoir	SPE-GCS Office Closed Members in Transition (MiT)	Young Professionals
22	23	24	Business Development Completions & Production Data Analytics	25	26	27
29	30	31				