## In Every Issue

### CHAIR’S CORNER
**03** Sunil Lakshminarayanan

### VOLUNTEER SPOTLIGHTS
**04** David Bowman
**04** Anisha Kaul

### CALENDAR
**05** February 2019

### MEMBERSHIP REPORT
**06** December 2018

### THEN & NOW
**07** Buddy Woodroof

### Study Groups

#### DIGITAL TRANSFORMATION
**09** February 2019
New Ways of Working

#### NORTHSIDE
**10** February 2019
Unconventional Multiplay Cemented Casing-in-Casing Refracturing Technique and Evaluation

#### GENERAL MEETING
**11** February 2019
SPE’s Petroleum Resources Management System (PRMS) 2018 – Highlights of Changes

#### PERMIAN BASIN
**12** February 2019
How to Succeed in the Permian Basin as a Private Equity Backed Company

#### WESTSIDE
**12** February 2019
The Evolution of Diversion: An Engineered Approach

### RESERVOIR
**13** February 2019
Hydraulic Fractures in Core from Stimulated Reservoirs

### DRILLING
**13** February 2019
Steering Wells Using Automated Directional Drilling and a Remote Drilling Operations Center

### COMPLETIONS & PRODUCTION
**15** February 2019
Multidisciplinary Data Gathering to Characterize Hydraulic Fracture Performance and Evaluate Well Spacing

### WATER & WASTE MANAGEMENT
**16** February 2019
EPA’s Study of Increasing Volumes of Wastewater from the Onshore Oil and Gas Extraction Industry

### BUSINESS DEVELOPMENT
**17** February 2019
The Transformation of BP’s Onshore US Portfolio: Growth and Opportunity

### Committees

#### EDUCATION
**18** February 2019
Where Are They Now?
Past Scholarship Winner: Gwendolyn Dawson

#### SCHOLARSHIP
**19** February 2019
Gulf Coast Section Annual Scholarship for 2019-2020 Academic Year

#### YOUNG PROFESSIONALS
**19** February 2019
Volunteering at the Beacon

### CONTINUING EDUCATION
**20** February 2019
These People Are Crazy: Selling Ideas to Non-Engineers

**20** February 2019

**21** February 2019
Accelerated Learning Tutorial: Torque and Drag - Drill String Mechanics Course

### YOUNG PROFESSIONALS
**21** February 2019
Volunteering at the Houston Food Bank

### CONTINUING EDUCATION
**22** February 2019
Accelerated Learning Tutorial: Applied Understanding of PVT

### CONTINUING EDUCATION
**22** February 2019
Accelerated Learning Tutorial: Refracturing – Where To Apply, When To Apply And How To Apply

### MEMBERS IN TRANSITION (MIT)
**23** February 2019
Seminar Series #34 - Joint event with SPE Petro Tech Study Group

### Special Events

#### HSSE & SOCIAL RESPONSIBILITY
**24** February 2019
Oil & Gas Safety Leadership/ Culture Workshop
Renew Your SPE Membership Today!
Stay connected with SPE-GCS activities during 2019

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

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

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

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

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

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

For inquiries, please contact the SPE-GCS Membership Team at membership@spegcs.org.

RENEW YOUR MEMBERSHIP ONLINE
Oil Prices

2018 was a mixed year for our industry. Oil prices soared to highs that the market hadn’t seen in almost four years, but also succumbed to some of the largest single-day drops. Early predictions from Wall Street pointed to barrel prices in excess of $100. Instead, the market experienced the worst drop in over two years. Amidst all the volatility in prices, we saw the United States become the world’s largest oil producer in 2018. The key factor driving US production levels was the Permian Basin. In spite of Permian Basin drillers having issues with pipeline takeaway capacity, oil production increased by nearly 900,000 barrels per day last year.

With falling demand and increasing production from the Permian Basin, more price uncertainty is possible this year. Infrastructure constraints in the Permian Basin might be resolved in 2019 and production is expected to grow an extra ~1 million barrels per day. On the other hand, shrinking supply from Iran and other countries could push prices up. We have an interesting year ahead.

SECTION UPDATES

Education Committee

I would like to recognize the Education committee and Mr. Dick Murphy, who has been leading the high school STEM tutoring program over the past few years. Dedicated, proactive and patient tutors volunteer during the school day in the high school classroom to help explain concepts in physics, chemistry, mathematics and biology. Tutoring is currently taking place in Fort Bend ISD (five high schools), Katy ISD (one high school), Spring Branch (one high school), Houston ISD (three high schools) and Conroe ISD (two high schools). If you would like to be involved in this program, please contact me directly.

As I mentioned in 2018, we’ve been working hard to launch our Scholarship Endowment Fund (SEF) campaign this year. I would like to recognize education chairperson Dr. Mohammad Tabatabaei for leading this effort. In the coming weeks, we will be circulating SEF brochures to various individuals and corporations in our region. I am very hopeful this campaign will be a success.

Communications Committee

There’s been a lot of progress with the new SPE-GCS website. We’re getting close to its completion and will be embarking on testing in a few weeks. I will keep you all posted on the launch date.

All the best!
DAVID BOWMAN

How did you first get involved with SPE?
I started in college with The University of Texas student chapter.

What SPE study groups, committees, or volunteer events have you been involved in?
After college, I was involved with the Dallas YP group early in my career. For the last two years, I’ve been actively involved in the SPE-GCS Business Development Study Group and the Innovate Committee.

What is your current role with SPE?
I’m currently the Registration Chair for the SPE-GCS Business Development Study Group and helped the SPE-GCS Innovate Committee plan their annual symposium on how to start an oil and gas company.

What is your REAL job and educational background?
My “real” job is providing for my family, which includes my wonderful wife, Savanna, and our four children. I work for Rockcliff Energy LLC in a business development role. My day job challenges me to utilize lessons learned from all my experiences, including an undergraduate degree in petroleum engineering and an MBA, both from The University of Texas at Austin.

What is your favorite thing about SPE?
It’s difficult to express a single “like”, because SPE-GCS is such a great program. Like most things in life, it’s what you make of it. If I had to summarize, the SPE-GCS provides the opportunity for oil and gas professionals to hone professional skills outside of their day job, expand their industry network and give back to the industry at the same time.

ANISHA KAUL

How did you first get involved with SPE?
I graduated from Carnegie Mellon University in Dec 2016 with a Masters in Information Systems Management. I joined the Oil & Gas industry straight out of graduate school, so I had no prior knowledge in that domain. My primary skill at work is Machine Learning, which is domain independent. I was encouraged by Supriya Gupta, who founded the Data Analytics Study Group and was also my colleague at that time, to join in order to meet new people from the industry and learn from them while also sharing the knowledge I had. And it’s been a very fast-paced, rewarding journey since then.

What SPE study groups, committees, or volunteer events have you been involved in?
I am involved with the Data Analytics Study Group. I joined the Study Group in December 2017 when the group had started executing their plan for the very first annual data science convention (April 2018). I basically just hopped in and took any responsibility that was given to me – designing and printing the brochures, designing the flyer for the conventions, onboarding a Sponsor, Photographing the convention.

What is your current role with SPE?
Co-Chair Marketing and Communications

What is your REAL job and educational background?
I work as a Sub-Surface Data Scientist at Schlumberger. My work is mainly tied to driving Machine Learning applications in the geophysics domain, especially interpretation tasks.

What is your favorite thing about SPE?
SPE is a very welcoming and diverse organization. One of the things that I really like about SPE is that leaders never hesitate to appreciate efforts of volunteers, for example the best study group is awarded annually, those who attend SPE affiliated events are also rewarded points. And one other thing that I absolutely admire about SPE is how much it supports the MIT and Student community, through scholarships and discounted tickets.
## Upcoming Special Events

**Mark Your Calendars 3.6.19**

**WESTSIDE TECHNICAL SEMINAR: AN OPERATOR EXCLUSIVE**

**3.26.19**  UPSTREAM OIL & GAS PROFESSIONAL HIRING EVENT

**4.8.19**  SPE-GCS 46TH ANNUAL GOLF TOURNAMENT

**5.10.19**  DIGITAL TRANSFORMATION ANNUAL CONGRESS

**5.13—5.17.19**  SPE-GCS ELECTRIC SUBMERSIBLE PUMPS SYMPOSIUM

**5.22.19**  BUILDING WINNING TEAMS:  MVP HOUSTON ASTROS DRAFT DAY

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### FEBRUARY CALENDAR

<table>
<thead>
<tr>
<th>SUNDAY</th>
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- **Young Professionals**
- **Cont. Education**
- **Digital Transformation**
- **Northside**
- **General Meeting**
- **HSSE-SR**
- **Board of Directors Meeting**
- **Reservoir**
- **Young Professionals**
- **Cont. Education**
- **MiT**
- **Cont. Education**
- **Permian Basin**
- **Westside**
- **IES**
- **Completions & Production**
- **Water & Waste Mgmt.**
- **Business Development**
- **IES**

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**Upcoming Special Events**

- **2.14.19**  HSSE & SR OIL & GAS SAFETY LEADERSHIP/CULTURE WORKSHOP
- **2.21.19**  YOUNG PROFESSIONAL INTER-CORPORATE TOPGOLF TOURNAMENT/NETWORKING EVENT
- **2.27—2.28/19**  INNOVATION & ENTREPRENEURSHIP SYMPOSIUM AND 2ND ANNUAL SHARK TANK EVENT
The Gulf Coast Section (GCS) was established on February 13, 1935. The mission of GCS is part of our Bylaws which were amended by vote of the Board of Directors on February 16, 2017, and by vote of the general membership on April 20, 2017.

**SPE-GCS MISSION**

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

I. Providing forums that afford members the opportunity to upgrade and maintain professional competence.

II. Providing social interaction that increases member participation in Section activities as a whole, while striving to maintain the integrity of the Section.

III. Supporting programs in local primary and secondary schools to encourage students to develop their abilities in science, technology, engineering and mathematics.

IV. Supporting engineering programs at the university level.

V. Enhancing the image of the Oil and Gas Industry by sponsoring community service programs.
This month, we continue our look back at the rise and fall of wildcatter Glenn McCarthy, as opening day for his Shamrock Hotel finally arrives.

By dusk, a crowd of 3,000 had surrounded the hotel. Floodlights crisscrossed the early night sky, just as McCarthy had dreamed. At seven, shrieks rose from the crowd as limousines began to arrive and celebrities stepped out onto the green carpet. McCarthy’s new pal, Errol Flynn, waved. Lou Costello waddled in. Close behind came the rest: Ginger Rogers, Van Johnson, Edgar Bergen, Van Heflin, Sonja Henie and Eddie Rickenbacker. The Texans came pouring in as well, including the governor and a string of politicians, oilmen, bankers and Amon Carter with a delegation from Fort Worth. Fellow wildcatter Sid Richardson ambled in with his niece and only Howard Hughes failed to appear. All the men wore tuxedos, while the women wore backless dresses and mink after mink after mink, diamonds dripping from every neck. The evening was a coming-out party not just for McCarthy, but for Texas oil itself.

Inside, everyone crowded into the lobby for champagne. A cowboy actor, Don “Red” Barry, sipped his champagne from the slipper of Beaumont oil heiress Ann Justice. By 7:30, the public areas were so jam-packed that people couldn’t move. Waiters gave up trying to wade into the crowd. Off in the corners, McCarthy’s security men exchanged nervous glances. There were too many people. Two thousand had been invited, and three thousand managed to make it inside. McCarthy, dressed in a white dinner jacket, did his best to navigate the throng, which was growing louder as the champagne began to deplete. He had contracted the National Broadcasting Company to air Pat O’Brien’s opening remarks to a nationwide radio audience at 8 o’clock, live from the Emerald Room. The plan was to announce O’Brien’s appearance at 7:45 over the hotel’s public-address system, at which point the crowd would file in to their tables in the ballrooms.

Next month, McCarthy’s meticulous opening night plans evolve into near-chaos.
**HISTORY QUIZ**

What former industry executive was selected as the inaugural winner of the award for “Global Vision in Energy” from the New York Mercantile Exchange?

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

**ANSWER TO JANUARY’S QUIZ**

A.A. Perkins, in California, is considered the father of the modern oilwell cementing process.

**THERE WAS NO WINNER IN DECEMBER.**

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**SCALEGUARD**

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E-MAIL: bingwines@cox.net  
WEBSITE: winrockengineering.com  
WEBSITE E-MAIL: winrockpe@gmail.com

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Back to Table of Contents
DIGITAL TRANSFORMATION

New Ways of Working

During this lunch-and-learn, we will focus on “New Ways of Working” with panelists from Devon, Hess and Equinor.

STEPHEN TAYLOR

Stephen Taylor is Global Head of Technology for Analytics, Reporting, Integration and Software Engineering at Devon Energy Corporation. Over the last 25 years, Taylor has led companies through transformations and created competitive advantage through innovative applications of advanced analytics, data management and software engineering. Prior to joining Devon, Stephen ran multiple startups, held leadership positions with companies like Chesapeake, and delivered on critical programs for companies like ConocoPhillips, Target and Pfizer. Taylor received his degree in management of information systems from Oklahoma State University.

DENNIS CREECH

Dennis Creech joined Hess in 2012 and has worked for more than 35 years in the oil and gas industry. He has extensive experience with innovative supply chain solutions for unconventional resources, lean practices, SAP applications, and change management and transformation. Dennis began his career with Shell Oil in a variety of Supply Chain and logistics roles.

JARLE HUSEBO

Jarle Husebo is the leader of digital business solutions at Equinor. He is responsible for developing and deploying new digital solutions for the business, including the Integrated Remote Operations Centers (IROC) for Equinor’s Global Unconventional business. He has worked for Equinor for 10 years in both operational and technology development positions, and has led several projects in Europe, Asia and the US. Jarle has a master’s degree in petroleum technology and a PhD in reservoir physics from the University of Bergen.

EVENT INFO

WHEN
Tuesday, February 12, 2019
11:30am – 1:30pm

SPEAKER
Stephen Taylor
Global Head of Technology
Devon Energy Corporation

Dennis Creech
Vice President Lean Implementation
Hess Corporation

Jarle Husebo
Leader of Digital Business Solutions
Equinor

LOCATION
Equinor
2107 City West Blvd
Houston, TX 77042

CONTACT
Philippe Flichy - 713-240-4879
philippe.flichy@energyembassy.com

REGISTER ONLINE
Unconventional Multiplay Cemented Casing-in-Casing Refracturing Technique and Evaluation

The evolution of completion designs across major US shale plays suggests that completions performed on earlier completed wells are under-stimulated and inadequate for optimum recovery. The traditional horizontal refracturing approach of a bullhead stimulation treatment with diverters presents challenges for effective simulation throughout the lateral due to difficult stage isolation and exposure to the entire lateral.

Advancements in cement slurry design and wellbore technology have made it possible to install a new, smaller casing string in the existing wellbore. This technique enables the refracturing technique to be performed like a “new-drill completion” while still utilizing plug and perf methodology. The casing-in-casing refracture treatments and methodology are becoming increasingly popular, with multiple operators successfully applying the technique throughout different portions of the Haynesville and Eagle Ford shales.

BRITTANY ELBEL

Brittany Elbel graduated from the University of Texas with a degree in Petroleum Engineering. She has been with Halliburton in the cementing product service line for the past 8 and half years. She started as a cementing field engineer in Caldwell, TX and currently works on Halliburton’s southeast area tech team as the technical advisor.
The Petroleum Resources Management System (PRMS) was developed for consistent and reliable definition, classification and estimation of hydrocarbon resources. The Oil and Gas Reserves Committee has completed the revision of the PRMS and the SPE board approved it in June 2018. The updated PRMS is a consensus of input collected from consulting and financial firms, government agencies and E&P companies.

The 2018 PRMS update maintains the foundational principles contained in the 2007 PRMS and addresses many of the points in need of clarification that were collected over the years. This presentation will describe the key changes effective in the 2018 update and their impact on reserve evaluation work.

DANIEL OLDS

Daniel Olds joined Ryder Scott in 2001 and has been practicing petroleum engineering since 1981. He began his career at Wintershall Energy as a manager of engineering and acquisitions, where he evaluated on- and offshore producing fields. Olds later joined PriceWaterhouseCoopers as manager of a consulting group that provided engineering and evaluation expertise internally and to clients.

Olds is a registered Professional Engineer in the State of Texas. He has a degree in petroleum engineering from West Virginia University and an MBA from the University of Houston.
PERMIAN BASIN

How to Succeed in the Permian Basin as a Private Equity-Backed Company

With stacked pay, large acreage tracts and globally competitive breakeven prices, the Permian Basin remains one of the hottest regions in the US. However, with high acreage prices and established players, it can be a challenging environment for new entrants – and in particular, smaller companies. We will discuss the key challenges to building an attractive position; potential hurdles, pitfalls and challenges in the region; and how to build a sustainable and attractive acreage position.

AARON DAVIS

Aaron Davis is co-founder and CEO of Fortuna Resources and TNM Resources, private-equity backed E&P companies pursuing Permian Basin strategies. Previously, Davis was a reservoir management team leader at Occidental Oil & Gas. Davis is a registered Professional Engineer in Texas and a graduate of both Rice University and The University of Texas at Austin.

EVENT SPONSORS:

WESTSIDE

The Evolution of Diversion: An Engineered Approach

Many techniques have been utilized to optimize horizontal well treatment coverage in unconventional plays, however, many leave behind unstimulated pay. Intra-stage diversion has proven to be a viable completion strategy for horizontal and vertical targets. The technique allows an operator to extend current stage spacing as well as improve completion efficiency, saving money and potentially improving production. This presentation will describe this technology and compare it to other products and techniques currently in use.

JAMES RODGERSON

James Rodgerson is a Completions Engineering Advisor with Thru Tubing Solutions. He has more than 35 years of completions experience, specializing in hydraulic fracturing design. Rodgerson has been involved with horizontal drilling and completion projects as an in-house consulting engineer since 1999. He holds a degree in industrial distribution from Texas A&M University.
RESERVOIR

Hydraulic Fractures in Core from Stimulated Reservoirs

This talk will describe the methods used to identify and document fractures in the Hydraulic Fracture Test Site (HFTS) slant core from Reagan County in the Midland Basin, Texas. More than 700 fractures were found in 600 feet of core. In addition to information about fracture density and spatial distribution for the different types, surface features on the hydraulic fractures provide information on the direction of fracture propagation. Reactivation of discontinuities will also be discussed. (This talk was previously presented at URTeC 2018.)

JULIA GALE

Julia Gale obtained a PhD in structural geology from Exeter University, UK, in 1987. Gale moved to The University of Texas at Austin in 1998, where she is a senior research scientist at the Bureau of Economic Geology. Her research focuses on natural fracture characterization and prediction in shale and carbonate hydrocarbon reservoirs.

DRILLING

Steering Wells Using Automated Directional Drilling and a Remote Drilling Operations Center

In this discussion, an operator will describe their experience creating and running a real time operations center in Houston TX, that provides directional drilling and geo-steering for a six-rig fleet in the Bakken in North Dakota. The center uses a combination of automated directional drilling software, field and office directional drillers and geo-steering technicians to conduct drilling operations.

MATTHEW ISBELL

Matthew Isbell has 30 years of experience optimizing drilling performance in fields around the world. He serves as a Drilling Advisor at Hess focused on well delivery improvement using technology, process, and communication. He specializes in drill bits and drilling systems, holds 27 patents and has published 27 technical papers. Isbell has held several drilling technology roles in research and development, field engineering, marketing, and management.
Discover more about TETRA’s deepwater completion fluids innovations.

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- Does not require zero-discharge system of work
- Formulated from renewable products, ensuring continuity of supply
- Can be reclaimed for reuse, using standard technology
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- Can be formulated as a low-solids, reservoir drill-in fluid

TETRA CS Neptune fluid is another innovative solution from TETRA Technologies, Inc.

KRYPTOSPHERE® ultra-conductive ceramic proppant technology delivers increased production and EUR in your high profile wells.

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Multidisciplinary Data Gathering to Characterize Hydraulic Fracture Performance and Evaluate Well Spacing

To effectively drain hydrocarbon from unconventional plays, operators have been optimizing their drilling spacing unit well spacing for many years. This presentation illustrates a continuous improvement of Bakken well spacing using trial pads with smaller spacing and multidisciplinary data gathering to understand the most effective spacing between wells. To understand the optimum spacing between wells in this area, the operator trialed well spacing of 500 ft between like formations. Data gathered during the spacing trial included micro-seismic, micro-seismic depletion delineation (MDD), radioactive (RA) tracers, chemical tracers, image logs, pressure measurements during completion/flowback/early-time production, and diagnostic fracture injection tests (DFITs). The data was used to calibrate advanced hydraulic fracture models and guide next-generation reservoir simulation history matching to characterize multi-well production behavior.

CRAIG CIPOLLA

As a Senior Engineering Advisor, Craig provides hydraulic fracturing, completions, and reservoir engineering support to HESS business units worldwide. Craig’s current focus is the development of unconventional resources, optimizing completions and well spacing. His expertise includes hydraulic fracturing, geomechanics/geophysics, and reservoir engineering. Craig has co-authored over 70 technical papers and was an SPE Distinguished Lecturer on hydraulic fracturing in 2005-2006. He was the recipient of the SPE International Completion Optimization and Technology Award in 2013. He has served on organizing committees for and chaired numerous SPE conferences, workshops, and forums and is currently serving on the organizing/technical committee for the URTeC and SPE HFTC.
**WATER & WASTE MANAGEMENT**

**EPA's Study of Increasing Volumes of Wastewater from the Onshore Oil and Gas Extraction Industry**

In May 2018, the US EPA announced that it had initiated a study to take a holistic look at how the agency, states and stakeholders regulate and manage the large and increasing volumes of wastewater from the onshore oil and gas extraction industry. The study is being managed out of the EPA's Clean Water Act Effluent Guidelines Program. It's addressing questions such as how existing federal approaches to produced water management under the Clean Water Act can interact more effectively with state and tribal regulations; what requirements or policy updates may be needed; and whether support exists for potential federal regulations to allow for broader discharge of treated produced water to surface waters.

**ROBERT WOOD**

Rob Wood is Director of the Engineering and Analysis Division in U.S. EPA's Office of Water where he is responsible for developing national effluent limitations guidelines and standards under the Clean Water Act. In his 32-year career at EPA, he has helped develop EPA technical guidance, policy and regulations including EPA's regulations. Rob received a master's degree in Urban and Environmental Planning from the University of Virginia in 1987 and Bachelor's Degree with majors in Economics and Geography from Mary Washington College in 1984.

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**EVENT INFO**

**WHEN**
Wednesday, February 27, 2019
11:00am – 1:00pm

**SPEAKER**
Robert Wood
Director, Engineering and Analysis Division
US EPA Office of Water

**LOCATION**
Southwestern Energy Conference Center
10000 Energy Drive
Spring, Texas 77389

**CONTACT**
Kelly Steinberg - 713-204-7162
kelly.steinberg@testamericainc.com

**REGISTER ONLINE**

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**Will Rigs Fly by 2050?**

February 27 - 28, 2019

[IES INNOVATION & ENTERPRISE SYMPOSIUM]

[www.spe.org/ies]

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Back to Table of Contents
The Transformation of BP’s Onshore US Portfolio: Growth and Opportunity

In 2018, BP completed its $10.5 billion acquisition of BHP’s US unconventional assets, significantly upgrading BP’s US onshore oil and gas portfolio and driving long-term growth. The acquisition added production of 190K BOEPD and 4.6 BBOE of discovered resources, which will be integrated into BP’s operations during 2019. BP’s Lower 48 business also changed its name to BPX Energy. Creation of this wholly owned Denver-based subsidiary marks a new era for BP’s US onshore oil and gas unit, which has operated as a separate entity since 2015.

Concurrent with this acquisition, BP announced that it would cover a substantial portion of the acquisition cost through divestment of a significant portion of its existing onshore US portfolio. Mr. Singh will walk us through the impact of these events and how BP plans to execute the actions needed to complete this transformation.

MOHIT SINGH

Mo Singh joined BP in 2015 from RBC Capital Markets, where he led business development and execution of merger, acquisition and divestiture processes for oil and gas E&P clients. Prior to RBC, Singh was a vice president at Goldman Sachs Global Natural Resources Investment Banking Division and a business planner and senior reservoir engineer for Shell Exploration and Production Company. Singh holds a degree in chemical engineering from IIT Kanpur, a PhD in chemical engineering from the University of Houston and an MBA from the University of Texas at Austin.

EVENT INFO

WHEN
Wednesday, February 27, 2019
6:00pm – 7:30pm

SPEAKERS
Mohit Singh
Vice President
BP America Production Company

LOCATION
1300 Lamar St
Houston, TX 77010

CONTACT
Heidi Epstein - 281-415-1154
heidi.epstein@energynet.com

SEASON PASS HOLDERS:
You do not need to register for this event, as your Season Pass has automatically registered you for all 2018 – 2019 Business Development events. Thank you for being a Season Pass Holder!

HOST:
UpCurve Energy

REGISTER ONLINE
WHERE ARE THEY NOW?

Past Scholarship Winner: Gwendolyn Dawson

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 Gwendolyn Dawson’s story:

I am definitely a better lawyer thanks to my engineering background – and to the SPE for giving me a scholarship that encouraged me to pursue engineering at Rice University.

I am currently Managing Counsel at Exxon Mobil Corporation. From my office in Houston, Texas, I supervise a team of lawyers and support staff that handles ExxonMobil’s commercial, tort and intellectual property litigation. While I’m not working as an engineer, my engineering education helps me in my job every day, from understanding the complexities of oil and gas operations, to grasping the technical details of a patent involved in a patent infringement lawsuit.

In prior assignments within ExxonMobil, I provided legal support to the company’s natural gas and Liquefied Natural Gas (LNG) businesses around the world, as well as to domestic and international oil and gas production projects. Prior to joining the ExxonMobil legal team in 2007, I worked in private practice at King & Spalding LLP and Vinson & Elkins LLP, focusing on disputes involving energy industry clients.

I am definitely a better lawyer thanks to my engineering background – and to the SPE for giving me a scholarship that encouraged me to pursue engineering at Rice University. My advice to students is to think about the career you want before choosing a college major and to choose the best major to move you toward that career – but to keep an open mind. An engineering degree opens many doors, including many that lead to fulfilling, non-engineering careers. Contact me at gwendolyn.dawson@exxonmobil.com.

CAREER OVERVIEW

Managing Counsel, ExxonMobil Corporation

- Tomball High School – 1994
- Rice University, BS, Chemical Engineering – 1998
- University of Texas at Austin, Juris Doctorate – 2001

CONTRIBUTE TO THE SPE-GCS SCHOLARSHIP FUND TODAY!
SCHOLARSHIP

Gulf Coast Section Annual Scholarship for 2019–2020 Academic Year

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

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

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

- Be a graduating high school senior
- Be planning to study science or engineering as a freshman in college the following year
- Have a permanent address in one of the 29 counties in the Gulf Coast Section
- Be a US citizen or permanent resident

New applications are being accepted now through February 21, 2019, for the 2019-2020 academic year. If you or someone you know may be interested in applying for this scholarship, please visit our website to apply online: https://www.spegcs.org/committees/scholarship-internship/

YOUNG PROFESSIONALS

Volunteering at the Beacon

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

Volunteers will prepare and serve meals and help with the laundry. Donations of gently used or new items are greatly appreciated.

EVENT INFO

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

LOCATION
The Beacon
1212 Prairie Street
Houston, TX 77002

CONTACT
Jon Spencer - 409-218-9042
jon@traceranalytics.com
Angela Tse
angela.tse@halliburton.com

REGISTER ONLINE
CONTINUING EDUCATION

These People Are Crazy: Selling Ideas to Non-Engineers

It takes a lot more than luck to build a sustained and satisfying career in oil and gas. This course focuses on translating your innate engineering strengths into the language of business outcomes. When you can speak to both the technical and financial sides of a transaction, you become an invaluable and trusted member of your team. This one-day session will equip you with the networking and sales tactics you need to become a trusted industry leader.

JAMES HAHN II

James Hahn II is founder of Tribe Rocket, a trailblazing media company that has consistently set the bar for innovation in oil and gas. James began his oilfield career at Drillinginfo in 2010, where he pioneered the tactics of inbound marketing in the industry, routinely delivering more than 150 leads with single blog posts. Since striking out on his own in 2014, he launched the world’s No.1 oil and gas podcast, “Oil & Gas This Week.”

CONTINUING EDUCATION


While engineers are technical people, they aren’t necessarily good technical writers. Technical writing involves two key competencies: the ability to understand technical language and to express knowledge in a clear, concise and coherent manner.
CONTINUING EDUCATION

Accelerated Learning Tutorial: Torque and Drag – Drill String Mechanics Course

The objective of this training course is to acquire a deep understanding about drill string mechanics for complex drilling applications, such as torque and drag and buckling, and fatigue and casing wear. This course 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 is put on the understanding of the different mechanisms involved to gain an understanding of drill string mechanics and their theoretical background. Each participant will have the opportunity to run the most advanced professional software to analyze drill strings in complex environments.

STÉPHANE MENAND

Stéphane Menand is the President of Houston-based DrillScan. He previously held a research position at Mines ParisTech university, where he also earned his PhD. Menand has 18 years of experience in the oil and gas industry, specifically in directional drilling, drill string mechanics, drilling dynamics and drill-bit performance. He has authored more than 25 SPE and technical papers and serves on the Journal of Petroleum Technology Editorial Committee and as associate editor of the SPE Drilling and Completions Journal.

EVENT INFO

WHEN
Friday, February 8, 2019
9:00am - 4:00pm

SPEAKER
Stéphane Menand
President, DrillScan

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

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

EVENT PRICING
Members/Non-Members: $50/$75
Students/MIT/Retired SPE: $30

REGISTER ONLINE

YOUNG PROFESSIONALS

Volunteering at the Houston Food Bank

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

Volunteer projects at the warehouse will vary based on need and may include inspecting and sorting food, repacking dry food into family-size bags, stocking and cleaning the emergency food pantry, and more.

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

EVENT INFO

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

LOCATION
Houston Food Bank
535 Portwall St
Houston, TX 77029

CONTACT
Sally Ebrahimzadeh
speyp.communityoutreach@gmail.com

REGISTER ONLINE
CONTINUING EDUCATION

Accelerated Learning Tutorial: Applied Understanding of PVT

This practical course will provide attendees with a working knowledge of Pressure Volume Temperature (PVT) and Equation of State (EOS) theory and their applications, following a path from field sampling to the lab and on to the examination of common practices and analyses used in classical and simulated reservoir engineering.

RONALD L. LANG, PE

Ronald Lang has more than 40 years of experience in reservoir engineering, including classical and simulation applications. He's a consultant to domestic and international studies requiring application of PVT equation of state (EOS) principles and participates with geosciences teams in field development strategies.

Mr. Lang received a degree in petroleum engineering in 1974 from Texas Tech University. His career began with Amoco Production Company and transitioned to consulting firms engaged in exploration and development, acquisition and divestment transaction advisory, and petroleum engineering technical evaluations. He is a licensed Professional Engineer in Texas.

CONTINUING EDUCATION

Accelerated Learning Tutorial: Refracturing – Where To Apply, When To Apply and How To Apply

Refracturing operations attempt to bypass near-wellbore damage, reestablish good connectivity with the reservoir and tap portions of the reservoir with higher pore pressure. Refracturing operations are also performed after a period of production that can alter the stresses in a reservoir due to depletion, and restimulation can allow the new fracture to reorient along a different azimuth. A successful refracturing operation restores well productivity to near-original or even higher rates of production and extends the productive life of a well.

PIYUSH PANKAJ

Piyush Pankaj is the Principal Reservoir Engineer -Team Lead for Schlumberger. He has been involved in numerous studies in the fields of unconventional reservoir simulation and modeling of hydraulic fracturing across various basins in North America. In his past roles, he successfully launched and led commercial software tools and defined new workflow solutions and technology development for unconventional reservoirs. He holds a degree in Petroleum Engineering from the Indian School of Mines in Dhanbad, India.
MEMBERS IN TRANSITION (MiT)

Joint Meeting with SPE Petro-Tech Study Group

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

PROGRAM 1

How to Get a Job and Thrive at an Oil and Gas Startup

Startups are a new phenomenon in oil and gas and are still the elephant in the room. When it comes to hiring, startups don't follow the same mechanisms as big companies, and the day-to-day work in a startup is also much different than at the major corporations. In this seminar, Moji Karimi, an insider to oil and gas startups, shares insights on how to plan for a successful career at an oil and gas startup.

MOJI KARIMI

Moj Karimi is an entrepreneur and engineer who helps ideate, develop and commercialize groundbreaking technologies. Karimi’s experience ranges from developing advanced deepwater drilling methods to advancing biologically inspired technology in the energy and space industries. After almost six years with TESCO and Weatherford, Karimi joined Biota Technology to start the Houston office and commercialize DNA sequencing in the energy industry. Moji holds a bachelor's degree in drilling and a master's degree in petroleum engineering.

PROGRAM 2

Engineering Ethics

“Ethics is the study of the characteristics of morals, and involves the moral choices made by individuals as they interact with other persons. Engineers need to be aware of ethics as they make choices during their professional practice of engineering. Engineering ethics will be defined as the rules and standards governing the conduct of engineers in their roles as professionals.” – University of Missouri

This seminar will cover codes of ethics and case studies that help petroleum engineers navigate their day-to-day professional careers. The seminar is appropriate for new graduates as well as seasoned professionals, and will qualify for the annual Professional Development Hours (PDH) required by the Texas Board of Professional Engineers.

IVOR ELLUL

Dr. Ivor Ellul began his career in 1980 in West Germany as a design engineer on pipeline and storage tank systems. He has started a number of ventures, including Knowledge Reservoir. Ellul serves as Chairman of the Pipeline Simulation Interest Group and is a former chair of the Society of Petroleum Engineers Gulf Coast Section. He holds a BS in mechanical engineering from the University of Malta and MS and PhD degrees in petroleum engineering from Imperial College, London. Ellul is a registered Chartered Engineer in the UK and a registered Professional Engineer in the state of Texas.

EVENT INFO

WHEN
Friday, February 22, 2019
10:00am – 3:00pm

SPEAKERS

Moji Karimi
Co-founder and CEO
Cemvita Factory

Dr. Ivor Ellul
Chief Technical Officer
Promethean Energy Corporation

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

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

Yetunde Okediji
817-845-5876
yetunde.okediji@gmail.com

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

REGISTER ONLINE
Oil & Gas Safety Leadership/Culture Workshop

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

EDDIE HILL - How to Motivate and Lead for Operational Excellence
This short presentation will provide some practical considerations and methods for Leading Safety for Operational Excellence. The relationship between effective leadership and the successful outcomes of any business are easy to correlate. If we can safely execute our work, then we are working with attention to quality. With the proper strategies and effective leadership, safety can lead the way to operational excellence.

MICHAEL L. BEATON - Shell Trading's Journey to Goal Zero
Michael will share Shell Trading's experience in guiding and influencing third-party HSSE programs to drive improvements in operational excellence. He will delve into what it takes to develop a proper safety culture and embed the Goal Zero mindset within third party organizations.

JEFFREY BURRO, GSP - Communicating the Safety Message With Impact at Marathon Oil
It is critical that field leaders have the ability to communicate a safety message with an impact. Whether it be a one-on-one conversation with a new employee on the jobsite, with a crew during a pre-job meeting, or with a larger audience in a town hall environment – how do you set clear expectations, connect with your audience, and gain commitment moving forward? Jeff will cover the Safety Leadership course curriculum Marathon Oil is using to maximize discretionary effort of personnel on the jobsite, as well as introducing a practical tool for using personal stories to positively influence your organization’s safety culture.
SPE-GCS Inter-Corporate TopGolf Tournament / Networking Event

Registration for the highly anticipated first annual SPE-GCS TopGolf tournament and networking event is now open!

Sponsorship Opportunities available for the first SPE-GCS TopGolf Tournament / Networking Event! Learn more here.

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

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

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

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

EVENT SPONSORS

Gold:

Silver:

Bronze:

Media Partner:
SPE Innovation & Entrepreneurship Symposium

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

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

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

This year’s event will include:

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

EVENT INFO

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

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

CONTACT
Chris Reinsvold - 713-299-5293
chris.reinsvold@reinsvold.com

EVENT PRICING
Member: $295
(Early Bird)
Non-Member: $395
(Early Bird)

EVENT SPONSORS

REGISTER ONLINE
INNOVATE

SPE Innovation & Entrepreneurship Symposium – Shark Tank Event

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

The event format will be as follows:

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

Important dates:

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

Important notes about the application:

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

Important Details:

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

More event details and registration can be found at specgs.org/IES/, along with information and highlights about last year’s nearly sold-out event. Stay tuned for speaker announcements and register early - seating is limited.
Technical Seminar: An Operator Exclusive – Unconventional Reservoir Completions

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

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

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

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

EVENT INFO

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

LOCATION
Core Laboratories
6323 Windfern
Houston, TX 77040

CONTACTS
Bharath Rajappa - 832-486-3122
bharath.rajappa@cop.com

Buddy Woodroof - 713-516-3784
buddy.woodroof@corelab.com

Steve Baumgartner - 281-435-0264
sbaumgar@swbell.net

REGISTER ONLINE

EVENT SPONSORS

Baker Hughes
a GE company

Core Laboratories

Data Can
DATA ANALYTICS

Data Science Convention

The Gulf Coast chapter of the Society of Petroleum Engineers will host a one-day Data Science Convention on Thursday, April 4. The convention is intended for upstream oil and gas professionals, academia scholars and students with interests in emerging data science, machine learning and artificial intelligence applications. The agenda will include presentations from leading professionals, major operators, suppliers, technology startups and academia to showcase applications and advancements of big data analytics in the oil and gas industry.

We will also be hosting startup and technology companies who will exhibit their state-of-the-art and emerging products. With up to 400 attendees, there will be ample networking opportunities during lunch and coffee breaks, which are covered in your registration fees.

EVENT PRICING

Members: $150 (Early Bird*), $175
Non-Members: $175 (Early Bird*), $200
Students/MiT/Retired SPE: $100 (Early Bird*), $125

*Early Bird Pricing Thru March 1, 2019

EVENT INFO

WHEN
Thursday, April 4, 2019
7:00am – 6:00pm

LOCATION
Norris Conference Center
816 Town and Country Blvd Ste 210
Houston, TX 77024

CONTACT
Suri Bhat - 832-419-3304
suri_bhat@hotmail.com

REGISTER ONLINE

SAVE THE DATE & VISIT US AT:
https://spgcs-mit-hiringevent.org/
2019 46th Annual SPE Gulf Coast Section Golf Tournament

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

As always, there will be fabulous door prizes for everyone and a chance to enter a raffle for electronics and United Airlines and Lufthansa flight vouchers. It’s all courtesy of our generous sponsors. You will also love the wonderful food provided out on the course by our fabulous oilfield cook teams. So bring your customers out for the day and treat them to a fun experience they won’t forget!

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

Thank you for your support!

Gulf Coast Section Golf Committee

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

EVENT INFO

WHEN
Monday, April 8, 2019
Morning & Afternoon

LOCATION
Kingwood Country Club
1700 Lake Kingwood
Kingwood, TX 77339

CONTACT
Marc Davis - 713-248-3956
golf@spegcs.org

For more information and registration & sponsor forms, please visit spegcs.org/golf

REGISTER ONLINE

REGISTER TO PLAY

BECOME A SPONSOR
DIGITAL TRANSFORMATION

Digital Transformation Annual Congress


There are many dimensions to digital transformation – edge, cloud, software-defined automation systems, AI, mobility, drones, security and more. This all-day event is focused on providing hands-on practical knowledge about the key trends in digital transformation for the oil and gas industry. Who should attend? Decision makers in upstream oil and gas, teams focused on digital transformation and those focused on driving improvements across operations.

EVENT INFO

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

LOCATION
Westin City Center
945 Gessner Rd
Houston, TX 77024

CONTACTS
Philippe Flichy - 713-240-4879
philippe.flichy@energyembassy.com

EVENT PRICING

Early Bird/Walk-In
Members: $100/$150
Non-Members: $125/$200
Students/MiT/Retired SPE: $40/$50

Online
Members: $125
Non-Members: $150
Students/MiT/Retired SPE: $40

REGISTER ONLINE

2018 Reservoir Technology Symposium

Thursday — April 18, 2018
Anadarko Conference Center – the Woodlands, Texas

SAVE THE DATE

Reservoir Technology Symposium is the annual event hosted by the SPE-GCS Reservoir Study Group designed to disseminate knowledge and technology needed to achieve the many objectives of reservoir management, including understanding risk, increasing production and reserves, and maximizing recovery. For sponsorship opportunities, please contact Eric Laine: spe@ericlaine.com
Alejandro Lerza: alerza@chevron.com
ELECTRIC SUBMERSIBLE PUMP (ESP) SYMPOSIUM

Electric Submersible Pump (ESP) Symposium

REGISTRATION NOW FULLY OPEN!!

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

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

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

EVENT SPONSORS

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<table>
<thead>
<tr>
<th>Study Group Chairs</th>
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<tbody>
<tr>
<td><strong>BUSINESS DEVELOPMENT</strong></td>
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