Fracturing Without a Drop of Water – Lessons Learned
Fracturing With LPG

2018 Permian Basin Symposium

SPE-GCS Annual Drilling Symposium

SPE-GULF COAST SECTION MARCH 2018

SPE GULF COAST SECTION MARCH 2018
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A Call to Action
As many of you know, our production schedule for the newsletter runs about two months ahead of publication. I’m writing the Chair’s Corner on January 31 for March 2018. January is the month when we consistently record a significant dip in our Gulf Coast membership numbers, and then over the first few months of the year, many people renew their membership in SPE and we begin to level off for the year with slight monthly increases along the way.

Since 2014, we have been experiencing a steady, noteworthy drop in our membership each year. In January 2018, our membership dipped to 9,875, which was like our experience in 2017. Just a few years ago, our combined professional and student membership was around 20,000. Nearly 6,000 professional and student members have allowed their membership in SPE to lapse. This is a likely testament to both procrastination and the significant industry challenges that professionals and companies have experienced during this historic downturn over the past several years.

There are some positive signs, though. For example, in January, our new professional members reached 1,209. The biggest opportunity for the Gulf Coast Section remains membership renewals, attracting new members, and converting every student membership to a professional membership. Thank you to every member who has renewed their commitment to SPE. For all members who may have allowed their membership to lapse, now is the time to renew your commitment!

While stable oil prices may be an ongoing, uphill challenge, it is encouraging to see positive signs on the horizon. On January 29, Reuters reported very encouraging news:

Oil dipped on Monday as soaring North American production was seen undermining efforts led by OPEC and Russia to tighten supplies, but prices were still on track for their strongest start to the year in five years.

Brent crude futures held above $70 per barrel, but eased 23 cents on the day to $70.29 a barrel by 0943 GMT, while U.S. West Texas Intermediate (WTI) crude futures were at $66.24 a barrel, up 10 cents.

So far this month, the Brent crude price has risen by 6.3%, making this its largest rise in January since 2013.

The benefits of SPE membership are significant. For many, the most notable benefit is the opportunity to attend study group meetings and special events to network and learn. In 2018, every SPE member should commit to invest in their own learning and development by attending a study group regularly. I would also encourage you to attend one of the dozen half-day or full-day special events planned for the spring. Membership renewal and event participation are important ways for members to support the Gulf Coast Section and their own careers.

Charting New Territory
The O&G industry is awash with news about advancements in digital technologies. While these technologies have immense potential to transform our industry and unlock value in ways never imagined, the path forward is complex. The exponential growth in information flows, a rapidly growing number of start-ups, and new digital solutions have created new challenges for the industry.

Continued on page 3
For this reason, the SPE-GCS Board of Directors endorsed the formation of our new Data Analytics Study Group last year. The group, chaired by Supriya Gupta, kicked off its inaugural monthly meeting in January 2017. At each meeting, top industry professionals present exciting advancements in big data analytics. As a testament to their popularity, these meetings have reached capacity nearly every month and have provided a significant contribution to SPE’s scholarship funding.

Building on this success, I am pleased to announce that the group will host SPE’s first-ever Data Science Convention. The event will be held at Norris Conference Centers – Houston CityCentre on April 19. The theme is “Transforming the Upstream O&G Industry with Advanced Data Science Solutions.” The convention will bring top executives, leading practitioners, academics, and innovators together to showcase applications and advancements of data science and machine learning that can benefit our industry. The group anticipates over 300 participants. Startup and technology companies will also exhibit their breakthrough solutions and technologies during the convention. The GCS Board is very excited about the work our section is doing to help our members develop knowledge on E&P data science solutions while facilitating networking and engagement between E&P companies and OFS and O&G technology/software firms.

Our bigger goal behind this convention is building a community of E&P data analytics enthusiasts in GCS and bringing together key industry players to engage with SPE-GCS members. I would highly recommend this platform for anyone curious about the evolution happening in O&G through artificial intelligence. For more information, visit https://www.spegcs.org/events/3800/.

Stay tuned in the coming months for news about our newest initiative around IIoT.

Dr. J. Roger Hite passed away on February 15, 2018 at about 8:20PM in Tennessee with his wife Fran by his side. In August 2017, Dr. Hite was diagnosed with ALS-CIDP (Chronic Inflammatory Demyelinating Polyneuropathy).

Dr. Hite was a dedicated and hardworking member of the Society of Petroleum Engineers and his contributions were numerous. He chaired the Gulf Coast Section from 2006 – 2007. He was a current member of the SPE Board of Directors representing the Gulf Coast North America Region. In 2008, he received the international SPE Management and Information award, having previously received the Management and Information Regional Award. He was named an SPE Distinguished Member in 2009. During his long career, he was active in the Gulf Coast section, receiving the section’s Service Award, and serving on the section Board of Directors.

Dr. Hite’s career spanned more than 40 years. He retired from Shell Oil Co. in 1999. He was the principal at Inwood Solutions, LLC. Dr. Hite also was the owner of Blackhorse Energy LLC, and had previously operated Business Fundamentals Group.

He earned a bachelor’s degree in chemistry from Tulane, followed by a master’s and doctorate in chemical engineering from Princeton. He also completed post-doctoral work in physical chemistry at the University of Munich.

Dr. Hite is survived by his wife Fran, his three children Brenda Hite Baxter, Susan Hite Hunt and Kathryn Hite DeSousa along with six grandchildren.

Some may wish to donate in Dr. Hite’s memory to the ALS Foundation:

[Donate Button]
Is your reserves reconciliation a highly laborious, time-intensive, and error-prone process? Do you wish you could streamline the process using a fully automated push-button solution?

With the large amount of data you’re reconciling, and the limited time you have, there is a better solution. Entero MOSAIC is the only reserves, economics, and decline system that delivers a fast and meaningful measure of your company’s performance in hours, rather than weeks.

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<td>Daylight Saving Time</td>
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<td>• Upstream Oil &amp; Gas Hiring Event</td>
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2018 Upcoming Full- and Half-Day Events – Mark Your Calendars!

**MARCH**
- 15 ANNUAL DRILLING SYMPOSIUM
- 21-22 INNOVATION AND ENTREPRENEURSHIP SYMPOSIUM
- 27 UPSTREAM OIL AND GAS HIRING EVENT

**APRIL**
- 12 PERMIAN BASIN SYMPOSIUM
- 18 GEOMECHANICS CONGRESS 2018
- 19 DATA ANALYTICS EVENT
- 26 RESERVOIR TECHNOLOGY SYMPOSIUM

**MAY**
- EMERGING ENGINEERS SYMPOSIUM
MEMBERSHIP REPORT

Membership Through January 2018

- 1,209 NEW PROFESSIONALS
- 4,327 LAPSED PROFESSIONALS
- 1,109 RENEWED STUDENTS
- 0 NEW STUDENTS
- 384 LAPSED STUDENTS
- 10,340 PROFESSIONALS RENEWED

Current Membership Trends

<table>
<thead>
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<th>TOTAL MEMBERSHIP</th>
<th>2017–18</th>
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<th>2015–16</th>
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<td>20,000</td>
<td>17,125</td>
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JUL AUG SEP OCT NOV DEC JAN FEB MAR APR MAY JUN

Members: 11,449

Board of Directors Meeting

WHEN: Mar 22, 7:30 – 10:30am
WHERE: SPE Houston Office: 10777 Westheimer Rd, Ste 1075 Houston, TX 77042
R.S.V.P.: Taylor Wright
T (713) 657–6821
F (713) 779–4216
spe-gcs@spe.org

Study Group Pricing

Unless specified separately in the registration website:

MEMBERS: $40/$55 Walk-in
NON-MEMBERS: $55
STUDENTS/MT/Retired SPE: $15

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Premium Northern White along with sand from the Permian’s first in-basin facility.

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NUNY RINCONES

Nuny Rincones got her start in SPE while at the University in Venezuela. In 2002, the oilfield business collapsed in Venezuela, leaving universities without a lifeline to the industry. Nuny went into action and created an internship chapter for her university that resulted in new channels of communications between her school and potential employers and helped to found the UCV (Universidad Central de Venezuela) Petroleum Engineer chapter. She currently volunteers as a Program Chair for the SPE-GCS Innovate Committee. In the past, she has also volunteered as an e-mentor for female petroleum engineering students.

Nuny is a petroleum engineer with 14-plus years of experience. She started her career as a Field Engineer in Venezuela with Schlumberger, later moving into management and business development. Currently, she works at Sheridan Production as a Petrophysicist. She holds a petroleum engineering degree from Universidad Central de Venezuela and an MS in petroleum engineering from the University of Houston. Under Dr. Lee’s guidance, her master’s thesis (SPE-177018-MS) was awarded first place at the SPE student paper competition. Her area of expertise is conventional and unconventional reservoir evaluation and reservoir performance.

Nuny likes to volunteer at places that foster opportunities for anyone who has the courage to take them. She enjoys helping people succeed because it triggers a chain reaction of success to everyone around. Her motto is “Leave this world a little better than you found it.”

Thank you for all you do for SPE!

MOJTABA SHAHRI

Mojtaba Shahri has been involved in different SPE activities during the past few years. He served as the Graduate Chair of the University of Tulsa chapter, which was selected as SPE Outstanding Student Chapter in 2013. Mojtaba has been a member of the GCS Drilling Study Group for the past three years. He is Chair of the 2018 Annual Drilling Symposium to be held at Southwestern Energy in Spring, TX. Mojtaba has been a committee member for SPE Annual Technical Conference and Exhibition, SPE Heavy Oil Conference and Exhibition, and AADE National Technical Conference and Exhibition. He is also a technical reviewer for different journals.

Mojtaba received the SPE Star, SPE Henry DeWitt Smith, SPE Nico van Wingen, SPE-GCS Exemplary Volunteer, and SPE Regional Young Member Outstanding Service awards. He was selected as the 2017-2018 SPE Distinguished Lecturer. Mojtaba is a registered Professional Engineer and a Senior Scientist at Apache Corp. in Houston. His research interests include drilling optimization, automation, and data analytics. He has authored several technical papers, primarily in the area of drilling and rock mechanics, and holds eight pending US patent applications. He received his BS and MS degrees in petroleum engineering from the Petroleum University of Technology, Iran, and his PhD in petroleum engineering from the University of Tulsa.

Thank you for all you do for SPE!
HAROLD: Cyber fraud and identity theft are hitting the news repeatedly. How concerned should people be?

PHILLIP: Plenty. It is America’s fastest-growing crime and Texas is one of the top 5 states in victims per 100,000 in population. Almost everyone at least knows someone personally who has been victimized. Our Wealth Management Committee – a group that includes attorneys, MBAs, CPAs, CFA® charterholders and CFP® practitioners – has devoted increased discussion to this topic every year for the last four years. We consider it a critical area of our risk management conversations with clients.

HAROLD: “Risk management” is usually a code word for insurance. Is this an insurance issue?

PHILLIP: Insurance is really only on the fringe of cyber fraud risk. It’s also fair to say that signing up for one of the credit fraud monitoring services, while possibly worthwhile, is certainly no panacea. You must take proactive steps to create an effective defense. That makes it a standout compared to many other risk-management strategies, and therefore unique compared to most of what we have experienced in our 46 years of advising clients.

HAROLD: What are some of those “proactive steps?”

PHILLIP: Locking down your credit bureau files, creating a “deterrence” protocol with your credit card usage, and putting penetration “armor” on your major asset accounts – these are a few, but more than time permits detailing. The key is to invest the time, preferably with the help of someone qualified to give counsel, to develop a set of strategies that work efficiently for you and are relatively hassle-free to maintain.

At Linscomb & Williams, our Wealth Advisors are prepared to invest that time with you as part of a client-centered wealth management conversation. We are ready to start that conversation on a no-cost, no-obligation, exploratory basis at our offices in the Houston Galleria or The Woodlands.

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.
This month we continue our look back at the rise and fall of wildcatter Glenn McCarthy, as his dream for the future crystallizes into a single idea.

His single idea was a hotel. But not just any hotel — the world’s finest hotel. His hotel would be built for the new Texas: a mammoth, ornate structure to surpass the Waldorf Astoria, Ritzes and Hiltons; the largest building between New York and Los Angeles, a glorious symbol not just of his own mushrooming power and confidence but of Texas’ as well. It would be the Lone Star Taj Mahal, its Eiffel Tower, its London Bridge. And McCarthy, as its builder and owner, would emerge as the state’s dominant impresario, using newfound fame and contacts to expand into every conceivable business, to conquer New York and Hollywood and even Dallas. He would be King of Texas.

This was Glenn McCarthy’s dream. Figuring naively that it wouldn’t be too difficult to get bank loans on his oil reserves, he announced the project in November 1944. The McCarthy Center, as he called it, would consist of the hotel, apartment buildings, a theater, and a shopping center. After a day or two of local headlines, Houston yawned. No one outside the oil business had heard of Glenn McCarthy, and, after all, there was a war on. After a few weeks, the city forgot it, but McCarthy would not be deterred, not even when his bank, Republic National Bank of Dallas, passed on the financing. An officer suggested Republic might regard the project more favorably if McCarthy would repay the $12 million he already owed. Undaunted, Glenn decided to look elsewhere for a financial partner.

Next month, an unlikely financier provides McCarthy some assurance.
HISTORY QUIZ

In the early part of the 21st century, what industry executive was quoted as follows: “I believe the American people expect a company like _____, the largest single supplier of oil and gas in this country, to offer answers and not excuses.”

If you would like to participate in this month’s quiz, e-mail your answer to contest@spe.org by noon March 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 FEBRUARY’S QUIZ

The Indian Territory Illuminating Oil Co.’s #1 Mary Sudik well was nicknamed “Wild Mary” after running wild for 11 days in the Oklahoma City Pool before finally being brought under control.

Congratulations to January’s winner – Rishabh Sharma

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We challenge you to send us your feedback on anything related to SPE-GCS.

Email Taylor Wright today: SPE-GCS@SPE.ORG

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Contact:
Dr. Sagar Naudurt, PE
281.774.3116
snaudurt@signa.net
Case Study of a Permian Basin Well, Completed Using Tracers

Tracers provided valuable information on the producing stages of a fractured horizontal well when the tracer information is combined with fracture stimulation results and log data along the lateral. This presentation discusses the drilling and completion procedure of a Permian Basin well, types of log data acquired while drilling, and tracers applied during completion stages. Procedures of acquiring and verifying the well log and tracer data are explained. This case study involves a long horizontal well stimulated using slickwater with the plug-and-perf method. Several correlations of the tracer measurements to different types of log data, minerology, and to post-fracture results are examined for the producing stages.

Greg Hepguler has over 20 years of experience in petroleum engineering and information technology, developing conventional and unconventional resources. In 2016, he founded Carat Energy. Previously, he worked at Oxy, Encana and Shell. His field experience includes Permian, Arkoma, and Green River basins, and Haynesville, Eagle Ford, and offshore GOM. He earned BS and MS degrees in engineering from the University of Tulsa.
Sustaining and Building Partnerships: People and Negotiation

Success in completing and executing partnerships of all kinds depends upon managing many business and operational issues. Therefore, both commercial and technical roles are important in sustaining and growing these relationships. When cross-cultural differences dominate, agreement and execution can be particularly problematic. Negotiations can be shortened and benefits increased by focusing on the subtle, often hidden, interplay between language, culture, and personality, even when both parties speak the same language or come from the same background. With attention to these details, as well as the content of negotiation, use of a few critical and easily implemented tools can bring increased success to long-term partnerships.

David B. Morse

David B. Morse is President and Lead/Leiter of dbm Consulting & Associates, LLC, which specializes in the negotiation of commercial and technical agreements, especially between international companies. His practice helps to create successful partnerships by integrating how we use spoken and written language, are guided by unconscious cultural biases, and negotiate for cooperation and power. A chemist by training but business person by experience, Morse spent 25 years in and around the licensing and catalyst industry, worked around the world, and lived in Germany and the Middle East.
RESEARCH & DEVELOPMENT

Origination and Development of Novel Upstream Technologies

Luis Alcoser will discuss best practices in the origination and development of novel upstream technologies

Luis Alcoser is the Upstream Ventures Technology Manager for the BP Ventures Team. He leads origination of and investment in novel upstream technologies that may have a significant strategic impact to BP, as well as facilitates their testing and deployment. Before joining BP, Alcoser spent 15 years in upstream technical, operational and management positions globally with Shell, Noble Energy, Chevron, and Schlumberger. He led development projects in conventional and unconventional plays across the continental US, deepwater Gulf of Mexico, Israel, Russia, Malaysia, Equatorial Guinea, and Angola. Alcoser is also a completions, hydraulic fracturing, and sand control subject matter expert. He has a BS in natural gas engineering from Texas A&I University (now Texas A&M–Kingsville), an ME in petroleum engineering from Texas A&M University, and MBA and master of finance degrees from Tulane University. He holds positions on the boards of Xact, Silicon Microgravity, and BISN.

RESERVOIR

Sampling a Stimulated Rock Volume: An Eagle Ford Example

In 2014, ConocoPhillips drilled the first of five deviated wells in DeWitt County, TX, in order to sample the rock volume adjacent to a horizontal Eagle Ford producer prior to and immediately following hydraulic stimulation. The design, execution and results of the pilot will be described, with particular emphasis on the data acquisition program, which included core, image log, microseismic, DTS/DAS, and pressure data. The observed reservoir state preceding and following hydraulic fracturing will be discussed from an integrated perspective, emphasizing geologic, geophysical, reservoir engineering, and completions-related observations.

KEVIN RATERMAN

Kevin Raterman holds a doctorate in chemical engineering from the University of Illinois. He has 35 years of upstream experience as a reservoir engineer. Currently, his responsibilities include piloting design, implementation, and analysis for unconventional reservoirs.
**DRILLING**

**SPE-GCS Annual Drilling Symposium**

The Drilling Study Group hosts this annual event to disseminate knowledge and technology needed to achieve the many objectives of drilling operations.

Topics include:

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

The symposium is a great opportunity to network with oil and gas professionals in an engaging and dynamic environment. It includes well-known industry experts presenting the latest technological developments and case studies. This event is likely to sell out. Please mark your calendar and join us!

**AGENDA**

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<td>7:40–8:40am</td>
<td>Coffee and Registration</td>
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<td>8:40–8:45am</td>
<td>Welcome and Safety Briefing: Mojtaba Shahri, Apache Corp, Symposium Chair</td>
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<td>8:45–9:45am</td>
<td>Keynote Speaker: Matt Ondler (CEO, Houston Mechatronics Inc.) Robotics Applications in Oil &amp; Gas</td>
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<td>9:45–10:00am</td>
<td>Break</td>
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<td>10:00–10:30am</td>
<td>Stephen Pink (NOV): Use of Closed Loop Downhole Automation and High-Speed Data to Deliver Accelerated Performance, Efficiency and Improved Wellbore Understanding</td>
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<td>10:30–11:00am</td>
<td>Mark Anderson (Shell): Making Actionable Information and Automated Decisions from Real-Time Drilling Data</td>
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<td>11:00–11:30am</td>
<td>Curtis Cheatham (Corva): The Evolution of Real-Time Torque and Drag Modeling from Manual Local Usage to Automated Cloud-Based Analytics</td>
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<td>11:30–1:15pm</td>
<td>Lunch and Networking</td>
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<td>1:15–1:45pm</td>
<td>Diego Tellez (OXY): Unconventional Drilling in New Mexico: Case History</td>
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<td>1:45–2:15pm</td>
<td>Stephane Menand (DrillScan): Use of Mechanical Specific Energy Calculation in Real Time to Better Detect Vibrations and Bit Wear While Drilling</td>
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<td>Break</td>
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<tr>
<td>2:30–3:00pm</td>
<td>Philippe Herve (SparkCognition): AI – Is It Time to Try It (Again)?</td>
</tr>
<tr>
<td>3:00–3:30pm</td>
<td>Reza Rastegar (OXY): Analytics at Bit</td>
</tr>
<tr>
<td>3:30pm</td>
<td>Wrap-up and Adjournment</td>
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</table>

**EVENT INFO**

**WHEN**
Thurs, Mar 15, 2018, 8:00am – 5:00pm

**LOCATION**
SWN Campus
10000 Energy Dr, Spring, TX 77389

**CONTACT**
Mojtaba P. Shahri – 713-296-6448
mojtaba.shahri@apachecorp.com

**PRICE**
Members: $100/$140 Walk-In
Non-Members: $125/$140 Walk-In
Students/MIT/Retired SPE: $35

**REGISTER ONLINE**

---

**PVI’s Cementing Software Suite**

Cementing job design has never been easier!

[Image of PVI's cementing software]
Interactions Between Fractured Horizontal Wells and Their Consequences

Different types of interactions occur between adjacent horizontal wells at different stages of their lives. While drilling and completing a new well in a previously fractured area, these interactions can cause stuck pipe, lost circulation, and damage to existing hydraulic fractures. During fracturing, they can cause an increase in the pressure of the passive offset shut-in wells, and migration of fracturing fluid and even proppant into them.

They can also cause liner damage. Post-fracturing, they can cause swift or delayed production interference.

This presentation discusses the different types of interactions, their causes, and their expected degrees and timing of production interference. It will also explore ways of minimizing or eliminating their mechanical and physical damage to the wellbore.

Ali Daneshy

Ali Daneshy is president of Daneshy Consultants International and Adjunct Professor of petroleum engineering at the University of Houston. He has 49 years of experience in the oil and gas industry and has presented more than 50 technical papers related to hydraulic fracturing. He is an SPE Honorary Member and Distinguished Member, and he has received the SPE Distinguished Service Award. He is also the co-editor-in-chief of *Hydraulic Fracturing Journal*, a quarterly publication dedicated to the technology and operations of hydraulic fracturing.
HSSE-SR

Best Practices to Reduce Venting and Flaring With Economic Benefit

Existing and evolving regulations require oil and gas producers to reduce venting and flaring of natural gas. These rules seek to minimize the loss of natural resources and to reduce air pollution. The air pollutants of concern include volatile organic compounds and the greenhouse gases methane and carbon dioxide. The source of the natural gas is primarily flash gas liberated from the storage of crude oil and condensate.

The presentation will give a step-by-step approach to address EPA Compliance Alert. The characteristics of storage tank vent gas and the use of smart systems to measure and monitor system operation and the amount of gas recovered will be included. The presentation will also cover the design and use of vapor recovery towers to reduce the chance of oxygen entering the vapor recovery systems. Supplemental emission controls using vapor combustion units as backups to the vapor recovery system will be addressed.

JEFFREY LEE VOORHIS

In 2012, Jeffery Lee Voorhis joined Hy-Bon Engineering and has been using his oil and gas permit expertise to overcome regulatory barriers. He is a registered Professional Engineer in Texas with 22 years of private sector engineering experience in the onshore/offshore petroleum industry. Voorhis has served on the Texas Commission on Environmental Quality and Texas Railroad Commission, as well as FOSTTA and many EPA committees. He obtained his BS in petroleum and natural gas engineering from Texas A&M-Kingsville in 1983.
HSSE-SR

Mechanical Integrity Lessons Learned from API Process Safety Site Assessments: Driving Operational Excellence

The API Process Safety Site Assessment Program was developed in 2011 as part of the AFPM and API Advancing Process Safety Programs. PSSAP began conducting assessments in 2012. As of the end of 2017, the API Site Assessment program will have conducted 59 General (seven protocols) and 34 HF Alkylation/RP 751 assessments. These assessments have been conducted at 63 different refineries and petrochemical facilities. The areas assessed are process safety leadership, management of change, mechanical integrity, safe work practices, operating practices, facility siting, process hazards analysis, and HF alkylation/RP 751. Mechanical integrity typically scores 10 percentage points lower than the other areas. This presentation will provide an overview of the program and present some of the mechanical integrity learnings, trends, and benchmarking data developed from the assessments based on the five-year history of the program.

CHAD PATSCHKE

Chad Patschke has more than 20 years of experience in maintenance, mechanical integrity, process safety management, and engineering assignments involving operations, maintenance, process safety, and project management. He has held positions of Plant Manager, Operations Manager, Production Superintendent, Engineering Manager, and Materials Engineer. Patschke is a member of the API Committee on Refinery Equipment and Subcommittee on Inspection. He is a Certified Process Safety Auditor and participated in the joint API/AFPM Process Safety Site Assessment team for conducting site assessments and API RP 751, Safe Operation of HF alkylation unit audits at refineries throughout the US. Patschke previously has developed and managed MI programs for a variety of companies.

SAVE THE DATE | Tuesday | May 15, 2018

Fracturing Without a Drop of Water – Lessons Learned Fracturing With LPG

Hydraulic fracturing has come under increased scrutiny in recent years for a number of reasons. One technology developed to address the technical inefficiencies of fracturing also answered many of the environmental concerns. In 2008, fracturing with gelled LPG as an alternative to water was introduced to the industry to enhance well performance. LPG offered a non-damaging fluid that originally came from the reservoir itself. Due to its favorable viscosity, miscibility, surface tension, and phase behavior properties, longer effective fracture lengths and fluid recoveries approaching 100% were envisioned. Furthermore, it eliminated the use of water and the related water-handling costs and long-term disposal issues. Today this technology/service is no longer available to the industry, as the sole provider has left the market. This presentation will review the hypothesis of why LPG is an ideal fracturing fluid and share historical successes, failures, and lessons learned along with ongoing efforts to advance the next generation of light hydrocarbon fracturing. Members will take away a greater appreciation of the successes associated with LPG fracturing and an understanding that the business failure was not due to the technology but to its misunderstanding and misapplications.

ROBERT LESTZ

Robert Lestz is a petroleum engineer with 32 years of industry experience. He is the CTO of eCorp International. Lestz co-invented the LPG Fracturing technology and worked at GasFrac as CTO. During 22½ years at Chevron, he worked in fracturing, artificial lift, completions, and well operations. He holds five patents and has additional patents pending. Previously, Lestz served on the Board of Directors of the Petroleum Technology Transfer Council, the US DOE Oil Shale Ad Hoc Group, and the advisory board of the University of Utah Institute for Clean and Secure Energy. He is also a previous ICoTA US Chapter President.
BUSINESS DEVELOPMENT

Fortuna Resources & TNM Resources — How to Succeed in the Permian as a Smaller 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 – in particular, smaller companies. Aaron Davis has successfully navigated these obstacles, building out two positions in the Delaware Basin in 2016 with Fortuna Resources and successfully exiting in late 2016 and 2017 for proceeds exceeding $120 million. He now leads TNM Resources, focused on both the Delaware Basin and Central Basin Platform.

Davis will discuss:
• Key challenges to building an attractive position
• Potential hurdles, pitfalls and challenges in the region
• How to build a sustainable and attractive acreage position

Networking in the mezzanine begins at 5:00 pm, followed by an hour-long program, including a Q&A session.

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. Fortuna Resources quickly built two Delaware positions in 2016 and exited both in late 2016 and 2017. Davis then started TNM Resources, which focuses on both the Delaware Basin and Central Basin Platform in the Permian Basin. Prior to Fortuna, Davis was a Reservoir Management Team Leader at Occidental Oil & Gas. He is a graduate of Rice University and UT Austin and is a registered Professional Engineer in Texas.
A Data Science Convention Organized by the Data Analytics Study Group

Save the Date – Transforming the Upstream Oil & Gas Industry With Advanced Data Science Solutions

This convention is intended for professionals, 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.

EVENT INFO

WHEN
Thursday, Apr 19, 2018
7:00am – 6:00pm

SPEAKERS
Gregory P. Leveille
Chief Technology Officer
Conoco Phillips

Michael Rowley
Director,
Technology & Innovation
BP

LOCATION
Norris Center – CityCentre
801 Town & Country Blvd #210
Houston, TX 77024

CONTACT
Supriya Gupta
857-264-9460
supriya026@gmail.com

PRICE
Early Bird Pricing
Members: $125
Non-Members: $200
Students/MIT: $75

Industry exhibits will be on display. Space is still available! Please contact Supriya Gupta for more details.

REGISTER ONLINE
INNOVATION & ENTREPRENEURSHIP SYMPOSIUM

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Gold

seismos  REVEAL ENERGY SERVICES  NCS MULTISTAGE  PLS

Silver

ChaiOne  LIME ROCK PARTNERS  Eunike Ventures

EVENT INFO

WHEN
Wed & Thurs, Mar 21 & 22, 2018

KEYNOTE ADDRESSES
Toby Z. Rice
Former President, COO and Director, Rice Energy

Maynard Holt
CEO, Tudor, Pickering, Holt & Co.

LOCATION
Marathon Oil Headquarters
5555 San Felipe St
Houston, TX  77056

PRICE
Members: $400 / Non-Members: $500

REGISTER ONLINE

Will Rigs Fly by 2050?
March 21-22
Innovation & Entrepreneurship Symposium
For details: https://www.spegcs.org/IES

Graphic Support: PLS Creative Services
SPE-GCS Permian Basin Study Group Presents
2018 Permian Basin Symposium:
Permian Basin Challenges & Opportunities in a Cyclic Oil & Gas Industry

Annually, the SPE-GCS hosts the Permian Basin Symposium, a one-day conference primarily focused on the most prolific and active basin in the US. In its 12th year, the event continues to provide a networking forum to discuss and disseminate the latest innovations and technological advances that drive the Permian Basin's resurgence despite the challenging market conditions. We expect over 300 engineers, scientists, academics, managers, and financial executives to attend.

Please visit www.spegcs.org/PBS for more information.

Join the Conversation:
@SPEGulfCoastSection
@SPEGCS
@SPEGCS Gulf Coast Section

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| LOCATION |
| Norris Center – CityCentre |
| 801 Town & Country Blvd, Ste 210 |
| Houston, TX 77024 |

| SPEAKER |
| Monte Dobson |
| SVP Development, XTO Energy |
| Allen Gilmer |
| Co-Founder, Drillinginfo |

| PRICE |
| Members: $125 |
| Non-Members: $150 |
| Students/MIT: $40 |

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The SPE Gulf Coast Reservoir Technology Symposium (formerly known as SPE-GCS Reservoir Technology Forum) 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.

This year, we focus our attention on technical and practical aspects related to technology and innovation, unconventional resources, integrated reservoir characterization studies, and challenges and opportunities of the low oil price environment.

This Symposium is a great opportunity to network with oil and gas industry professionals in an engaging and dynamic environment. Please join us for this event!

**EVENT INFO**

**WHEN**
Thurs, Apr 26, 2018, 7:30am – 4:00pm

**LOCATION**
Anadarko Conference Center
1201 Lake Robbins Dr
The Woodlands, TX 77380

**PRICE**

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*Limited spots. See website for details.

**Friday | April 27, 2018**
One-Day Workshop Sponsored by 3esi-Enersight

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Looking for sponsorship opportunities!

If you would like to sponsor, please contact Eric Laine (SPE@ericlaine.com) & Alejandro Lerza (ALERZA@CHEVRON.COM). We are a non-profit organization 501c3 (tax exempt).

**REGISTER ONLINE**
SPECIAL EVENTS

GEOMECHANICS

Geomechanics Congress: Recent Advancement in Petroleum Geomechanics

The Geomechanics Congress is an effort by SPE-GCS to impart technical knowledge to members. The main objective is to provide attendees with an opportunity to learn and discuss, with highly recognized speakers, the latest petroleum geomechanics topics and technology developments. The four disciplines that will be discussed are:

1) Exploration geomechanics
2) Drilling geomechanics
3) Completion geomechanics
4) Production geomechanics

The benefits of being an SPE-GCS Geomechanics Congress sponsor are:

• Raising your brand awareness during the meeting
• Promoting your brand to the oil and gas sector
• Networking with industry leaders
• Positioning your brand as a key industry player

All levels of sponsorship are given in following table. If you would like to sponsor the SPE-GCS Geomechanics Congress, please contact Reza Safari at reza.safari@weatherford.com. SPE-GCS is a non-profit organization 501c3 (tax exempt).
CONTINUING EDUCATION

16 Personality Factors for Finding Your True North

Are you experiencing disruption or tackling change? Seeking new directions and impact at work and in life? If so, this workshop is for you. Over 70 years of scientific research have identified 16 stable, fundamental building blocks of personality. The 16 Personality Factors (16pf®) will provide deep insight into your strengths and patterns, such as relating to or influencing others, self-management, and decision-making.

It is recommended that participants complete a 16pf® online assessment in advance of the session, offered at a deep discount to SPE participants only (75% reduction, $75). Contact Kim Kristensen-Lee at kim@labyrinthleader.org to take your assessment.

KIMBERLY KRISTENSON-LEE

Kimberly Kristenson-Lee is a Leadership Coach, Talent Management Consultant, and Renewal Workshop Leader who spent over 25 years at Chevron in leadership and management consulting roles. She is owner and Managing Partner of Labyrinth Leadership Group, LLC, a consulting firm that advises on organization renewal and coaches leaders on creating purpose and impact at work. LLG helps clients define priorities, clarify strategies and strengths, unlock progress, and navigate forward. LLG supports individual development using a coaching process featuring the 16pf® Questionnaire. Kristenson-Lee is also a Practice Steward at Center for Purposeful Leadership in Minneapolis.

EVENT INFO

WHEN
Friday
Mar 2, 2018
9:00am – 12:00pm

SPEAKER
Kimberly Kristenson-Lee
Leadership Coach,
Talent Management Consultant,
and Renewal Workshop Leader,
Labyrinth Leadership Group, LLC

LOCATION
SPEI Houston Training Center
10777 Westheimer Rd, Ste 1075
Houston, TX 77042

CONTACT
Abdul Rehman
267-616-0368
arehman.thebo@gmail.com

PRICE
Members: $100
Non-Members: $150
Students/MIT/Retired: $25

REGISTER ONLINE
CONTINUING EDUCATION

Accelerated Learning Tutorial: Introduction to Reservoir Simulation

This course provides an introduction to theoretical and practical concepts in reservoir simulation technology. Participants will learn about the fundamentals of reservoir simulation, its main components, and how they are used in the development of a simulation study.

The course is divided into four parts:
1. Overview of reservoir modeling
2. Reservoir simulation equations
3. Reservoir simulation strategies
4. Simulation model QA/QC and model interrogation

Closing remarks will include a discussion of the value of reservoir simulation, tools and workflows, and future trends.

Attendees will receive a certificate for eight Professional Development Hours.

JOSE VILLA

Jose Villa has been a Senior Reservoir Engineer with Anadarko Petroleum Corporation since 2015. He has 18 years of experience as a reservoir engineer and reservoir modeling and simulation specialist. He has participated in the development and deployment of reservoir simulation technologies. He previously worked for PDVSA Intevep (Venezuela) and Shell International E&P (Houston) and conducted studies in onshore and offshore fields involving analytical and numerical simulation, history matching, well/field optimization, and integrated asset modeling. He also prepared and taught classes in applied reservoir simulation and assisted history matching to colleagues at Shell worldwide. He holds a BS in petroleum engineering from Central University of Venezuela, and an MS in petroleum engineering from Stanford University. He volunteers for the SPE-GCS Reservoir Study Group and has chaired several SPE workshops in history matching and dynamic reservoir response.
CONTINUING EDUCATION

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

Refracturing operations attempt to bypass near-wellbore damage, re-establish 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; the 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, with more than 11 years of oilfield experience. 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 as product champion, he successfully launched and led commercial software tools such as Mangrove and Kinetix Shale. He has been responsible for defining new workflow solutions and technology development for unconventional reservoirs. He holds a bachelor’s degree in petroleum engineering from the Indian School of Mines (Indian Institute of Technology), Dhanbad, India.
CONTINUING EDUCATION

Oil Patch Orientation

This seminar is a non-technical audio-visual guided tour through the oil patch, illustrating the basic equipment and techniques used in the discovery, development, and production of petroleum.

OUTLINE:

- Introduction/outline of the day
- The economics and future of the petroleum industry
- Theory of the origins of hydrocarbons
- Reservoir parameters (e.g., porosity/permeability)
- Geology of petroleum and geophysics
- Drilling basics
- Well logging
- Well completions
- Reservoir drive mechanisms
- Production equipment (sub-surface and surface)
- Midstream and downstream topic
- Offshore and deepwater drilling and production

Attendees will receive a certificate for eight Professional Development Hours.

JOHN FARINA

John Farina provides petroleum engineering consulting and technical training services to the international and domestic petroleum industry. He has over 30 years of experience in production and reservoir engineering.

RON HINN

Ron Hinn is a Vice President of PetroSkills, a worldwide leader in training and developing E&P technical professionals. He specializes in knowledge management, competency development, and technical training.

SUSAN HOWES

Susan Howes, PE, PHR, is Vice President of Engineering at Subsurface Consultants & Associates, LLC, where she is responsible for recruitment, consultancy and training services. Her career includes 25 years with Anadarko, and 8 years at Chevron, as Horizons Program Manager and Reservoir Management Consultant.

KEN ARNOLD

Ken Arnold is a Senior Technical Advisor at WorleyParsons with 50 years of experience in projects, facilities and construction related to upstream oil and gas developments. He spent 16 years at Shell. Arnold formed Paragon Engineering Services in 1980, which was acquired by AMEC in 2005.

MARTY STETZER

Marty Stetzer leads EKT Interactive Inc. in Houston, an e-training company. His career includes 18 years of P&L experience with Schlumberger, Superior Oil-Mobil, Wilson industries, and Exxon.

DR. TERRY GARDNER

Dr. Terry N. Gardner is a mechanical engineer who spent over 35 years with Exxon and BP working to advance deepwater technology. He led research on deepwater riser VIV and development of a high-current Riser Centralizer System.
How to Write and Present a Technical Paper for SPE

AGENDA
- Objectives
- Communication process
- Why write for SPE
- How to write the abstract
- Writing the paper
- Presenting the paper/report
- Publishing in SPE
- Summary of the writing and presentation process
- Q&A and discussion

BYRON HAYNES JR.

Byron Haynes Jr. is the Reservoir Engineering Learning Advisor for Shell in Houston. He is responsible for delivering and teaching all internal Reservoir Engineering Training worldwide for Shell. He presented the workshop “How to Present a Technical Paper” at ATCE 2012-2015. Haynes has presented internal Shell courses on how to write and present technical reports. He has over 30 years of industry experience in operations and development projects in the US, South America, North Sea, and the Middle East. Haynes has been a technical editor for the past 11 years for SPE Reservoir Engineering and Evaluation magazine. He has been a member of the Professionalism and Ethics Committee and the Professional Registration Committee, and he is a Distinguished Member of SPE.

EVENT INFO

WHEN
Friday
Mar 30, 2018
9:00am – 12:00pm

SPEAKER
Byron Hayes Jr.
Reservoir Engineering
Learning Advisor
Shell

LOCATION
Newpark Drilling Fluids
21920 Merchants Way
Katy, TX 77449

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

PRICE
Members: $50
Non-Members: $55
Students/MIT/Retired: $30

REGISTER ONLINE
MEMBERS IN TRANSITION (MiT)

SPE MiT Initiative: 26th Seminar Series

The SPE Members in Transition Seminar Series features topics of interest to SPE members who are transitioning between jobs during the current industry downturn or who are looking for new opportunities. The agenda for the 26th seminar will include "Effective Networking – Proactive and Reactive Approaches to Finding a Job," "The Future Belongs to the Digital Engineer," "Financial Careers for Oil & Gas Professionals," and a discussion of resources for SPE members.

PROGRAM 1

Effective Networking – Proactive and Reactive Approaches to Finding a Job

For any job, the person who is key to getting you hired is the decision maker. There are two roads to the decision maker: One opens only when a job is posted and has gates that limit access to the decision maker. The other road is effective networking that will lead you to decision makers on a range of technologies, with the potential for cross-sector partnerships.

BRIAN HINCHCLIFFE

Brian Hinchcliffe leads the Executive Career Transition practice, preparing executives for their next career opportunity. In addition to career transition, he has a background in talent acquisition and change management consulting as the means for aligning human and business success.

PROGRAM 2

The Future Belongs to the Digital Engineer

The oil and gas industry has always been interested in new technology and data-driven analysis, but with the emergence of cloud computing, Big Data, and advanced analytics, the digital trend has gone into overdrive. This talk will discuss how these tech trends are impacting the skills and opportunities required for the next-generation petroleum engineer.

JIM CROMPTON

Jim Crompton teaches petroleum data analytics at Colorado School of Mines. His firm, Reflections Data Consulting LLC, focuses on data management and analytics for E&P industry.

PROGRAM 2

Financial Careers for Oil & Gas Professionals

Learn about opportunities to work as a financial advisor. In this career, you can help clients achieve their long-term financial goals through face-to-face interaction and getting to know clients on a deeper level. If you have natural motivation, self-discipline, and a knack for building strong relationships, we can teach you everything else you will need to know.

JULIE BROWNSON

Julie Brownson has 15 years of agency and corporate recruiting experience. For the past seven years, she has worked in financial services and has played a significant role in sourcing, recruiting, hiring, and onboarding financial advisors.

EVENT INFO

WHEN

Friday, Mar 9, 2018, 10:00am – 3:00pm

SPEAKERS

Brian Hinchcliffe
Director, Career Transition Services
Career Partners International

Jim Crompton
Adjunct Professor,
Colorado School of Mines

Julie Brownson
Senior Recruiter, FA Talent Acquisition,
Edward Jones

LOCATION

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

CONTACTS

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

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

PRICE

Members: $40/$50 Walk-In
Non-Members: $50
Students/MIT/Retired: $15
Registration Cap: 70

REGISTER ONLINE
MEMBERS IN TRANSITION (MiT)

The Members in Transition Committee invites you to the third edition of the Upstream Oil & Gas Professionals Hiring Event. Following the success of the inaugural event in March 2017, we continue to provide a platform connecting experienced job seekers with upstream oil and gas companies to fill open positions.

JOB SEEKERS:
Meet with employers hiring for professional upstream positions. Stay tuned for registration details and upcoming guidance sessions to help you maximize your success at the Hiring Event. You must register in advance at www.spegcs-mit-hiringevent.org/. Job seekers should have at least a bachelor’s degree and have obtained full-time professional employment after obtaining their degree.

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.

COLLABORATING ORGANIZATIONS:
Professional organizations with a common interest in supporting their members during career transitions can provide value to their members by participating in the Hiring Event.

The panel discussion “A Self-Driven Job Search” will also be part of the event. The seminar will be held before the job fair, and seating will be limited to first people who register. Panelists will consider how job seekers can remain in the driver’s seat of their job search, put their best foot forward, and stay positive during an extended search and tight market.

SPEAKERS WILL INCLUDE:

Anthony Caridi
Senior Consultant for Core Group Resources

Margaret Johnson
President of Ideal Training Inc.

Michelle Peavy
Director of Cool Careers at Pink Petro

They have decades of experience in human resources, training, and organizational capabilities.

EVENT INFO

WHEN
Tuesday
Mar 27, 2018
10:00am – 3:00pm

LOCATION
Trini Mendenhall Community Center
1414 Wirt Rd
Houston, TX 77055

CONTACT
Bob Merrill – 713-409-7340
Ramesh Anand – 281-403-6070
Suzanne Short – 281-777-5544

spegcs.mit.hiringevent@gmail.com

PRICE
Employers
(pricing based on number of employees)

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Business on the Green

Did you know that executives who play golf make 17% more than those who don’t? 54% of business professionals see golf as the perfect networking tool; only 8% selected football. An estimated 90% of Fortune 500 CEOs play golf. 50% of golfers agreed to the statement, “the way a person plays golf is very similar to how he or she conducts business affairs.”

Learning golf begins with learning correct techniques with a pro. We invite you for a golf clinic hosted by Janet Robbins, an LPGA at Fifty Fifty Acorn Golf and Icehouse. The evening will include hands-on instruction on the tee line; a review of rules, etiquette, scoring, and the scorecard; and a Q&A session. Range balls and rental clubs are included.

EVENT INFO

WHEN
Thursday, Mar 22, 2018
6:00 – 8:00pm

SPEAKER
Janet Robbins
Owner of Fifty Fifty Acorn Golf and Icehouse
LPGA

LOCATION
Fifty Fifty Acorn Golf & Icehouse
5050 Acorn St
Houston, TX 77092

CONTACT
Shahrazed Metouri
832-661-2811
Shahrazed.Metouri@aramcoservices.com

PRICE
Members: $45
Non-Members: $55
Students/Retired SPE: $35

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Newpark Drilling Fluids provides drilling fluid products and technical services globally. Drilling projects involving complex subsurface conditions, such as horizontal, directional, or deepwater drilling, require constant monitoring and critical engineering support. The Newpark Technology Center is home to the industry’s one-of-a-kind Downhole Simulation Cell (DSC). The DSC is a device that returns preserved core samples to in situ temperatures and pressures and circulates a potential drilling fluid while drilling with a microbit.

The DSC allows its users to observe drilling fluid system performance in simulated real-world conditions. This unique technology used in the development of proprietary products and systems allow for application-specific drilling fluids designed to optimize drilling performance through enhanced wellbore stability in specific geologies. By allowing researchers to observe, measure and evaluate formations under actual downhole conditions, test results from the DSC provide guidance for fluid optimization.

Mike Redburn serves as the Engineering Manager for New Technology for Newpark Drilling Fluids. He is committed to the growth of Newpark as the technology leader in drilling fluids through the accelerated adoption of Evolution technologies and the advancement of Newpark’s deepwater strategy. Redburn previously served as a mechanical design engineer in the automotive and medical industries, where a major focus was in process improvement and machine design. He oversaw improved operations for significant product lines by implementing his focus on statistical improvements. He earned a BS in mechanical engineering from Ferris State University and an MBA from Colorado State University.
Please join SPE-GCS Young Professionals in their support of environmental stewardship with the Armand Bayou Nature Center. Founded in 1974, the ABNC is one of the largest urban wildlife refuges in the United States. Every March, thousands of people in the Houston/Galveston area gather to clean tons of trash from our waterways. The mission of Trash Bash is to promote environmental stewardship of our watershed through public education by utilizing hands-on educational tools and by developing partnerships between environmental, governmental and private organizations. Volunteers will help clean the waterways by picking up trash.

**Trash Bash 2018 at the Armand Bayou Nature Center**

**EVENT INFO**

**WHEN**
Sat, Mar 24, 2018
8:00am – 1:00pm

**LOCATION**
Bay Area Park
7500 Bay Area Blvd
Pasadena, TX 77586

**CONTACT**
Matt Mayer
matt_mayer@hotmail.com

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Past Scholarship Winner: Michael Adam Schwarz

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 Michael Adam Schwartz’s story:

Knowing I wanted to follow in my dad’s footsteps and become an engineer, the next step was deciding what engineering discipline to pursue.

After meeting with industry professionals as well as the petroleum engineering deans at The University of Texas and Texas A&M, I decided on petroleum engineering.

Being awarded the SPE-GCS Scholarship provided me the opportunity to secure an internship with Anadarko Petroleum before heading to UT. I worked in a reservoir/geology capacity for two offshore platforms. The following summer, I had a field internship in Colorado, again with Anadarko. Next, I interned with Apache Corporation in West Texas, where I built a base understanding of pumping units, electric submersible pumps, and their associated optimization of both systems. My last internship was with Anadarko as a Reservoir Engineer in Denver. Using the knowledge I gained from my previous internships, as well as a full year of major sequence classes, I determined their DJ Basin’s geographic order for drilling economic wells.

Upon graduating, I started a new adventure as a Production Engineer in Anadarko’s Evans field office in Colorado. I began my career in a foreman support role for mostly older vertical wells in the field. I then moved into a “safety prep engineer” role. After this program, I began a rotation as a wellsite supervisor for a workover rig. This experience was instrumental in my growth as an engineer. I then moved to Anadarko’s Denver office as a project manager. I led cross-disciplinary teams in efforts to improve processes and question how we had always done things. We were able to realize capital savings as well as cut out unnecessary steps and approvals.

In November 2016, I left Anadarko to become a Production Engineer for Extraction Oil and Gas, based in Denver. Because Extraction is a smaller company, I was responsible for all facets of production engineering. After a year in this role, I was promoted to the Production Engineering Lead. I am responsible for all of Extraction’s production, as well as three other production engineers. Over the past few months, I’ve learned about how to lead a team and accept responsibility for our group’s decisions and direction. It’s been a wild and exciting ride, and I thank SPE-GCS for getting it started with a scholarship to The University of Texas! Hook ‘em!
EDUCATION

SPE Education Committee Summer Intern Program

SPE MVP Draft Day at Houston Astros vs. San Francisco Giants

Join us May 23 for 2018 MVP Draft Day, where 2018 SPE Scholarship winners (“MVPs”) can meet the 2018 summer intern sponsors (“League Owners”) as the Houston Astros play the San Francisco Giants. And don’t forget to attend the 2018 Awards Banquet the following night, where the “MVPs” will receive their 2018-2019 Scholarships and the Education Committee will recognize Anadarko Corporation for its many years of support to SPE.

BUILDING A WINNING TEAM

The Astros embody what it takes to build a winning team: recruiting top talent, doing it repeatedly, and then training and developing that top talent to its fullest potential as a single cohesive unit. The Gulf Coast Section’s scholarship recipients are the future MVPs of the oil and gas industry.

In the January 2018 edition of Connect, you learned how an SPE Scholarship shaped the life and career of Advantek Waste Management Services’ CEO Omar Abou-Sayed. In March 2016, a similar testimony from Shelley Lynn (Dunham) Kubik, a former Klein Oak student from Spring, TX, mirrored similar success, appreciation for the SPE Gulf Coast Section, and a desire to give back whenever possible.

SUMMER INTERN PROGRAM

Upon graduation, Shelley interned for Anadarko before attending The University of Texas at Austin. “Working at Anadarko that summer was a wonderful experience and one of the best opportunities that I have ever had,” she said. “It shaped my career with Anadarko.”

Employers also benefit greatly from the SPE Scholarship/Summer Intern Program. Denise Knight, Senior Staff Geologist at Anadarko, looks forward to it each year. “I want summer hires,” she said. “They become a part of my team and help us get some important work done each year, and I love the opportunity to give back a portion of what I received. I became a professional geologist because an engineer visited my high school each year, and I want to be a mentor to some young person just as he was a mentor for me.”

"Please join us at the Astros’ Game on May 23rd," Jennifer Pinnick, Chairman of SPE’s Educational Committee said. "More importantly, please consider sponsoring a Summer Intern and help us develop “MVPs” for the next generation of oil & gas industry leaders.”

EVENT INFO

WHEN
Wednesday, May 23, 2018 1:10pm

LOCATION
Minute Maid Park
501 Crawford St
Houston, TX 77002

CONTACT
Kelly S. Wilkins
713-249-5230
kellypetroleum@gmail.com

PRICE
Members: Discounts TBD
Non-Members: $13.00 to $81.00

REGISTER ONLINE
January Events Update

The chilly start to the new semester made for an interesting first month back on campus, but our SPE chapter did not waver in its commitment to our members. January events included two technical talks by prestigious industry experts. Hisham Sadaawi spoke on "The Importance of Safety Engineering in the Oil and Gas Industry." Soon after, Texas A&M SPE hosted a cross-university technical seminar with The Colorado School of Mines. Dr. Jennifer Miskimins presented on "Hydraulic Fracturing and Completion Technology."

Texas A&M SPE also held officer elections for the 2018-2019 place in the beginning of February. This is always an exciting time for the organization, and all members enjoy seeing the bright, innovative ideas of our future leadership.
2018 SPE Gulf Coast Section Awards and Scholarships Banquet

WHEN: Thurs, May 24, 2018
5:30pm – 10:00pm
WHERE: HESS Club
5430 Westheimer Rd
Houston, TX 77056
KEYNOTE SPEAKER: Tom Blasingame, Texas A&M University

Join the SPE Gulf Coast Section as we celebrate another year of student success, emerging professionals, established industry leaders, and longtime members and supporters!

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2018 HOUSTON COURSES
I August 20 – 24, 2018
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