



Gulf Coast Section

SEPTEMBER
2015

CONNECT

SPE GULF COAST SECTION NEWSLETTER

ENERGY MARKETS AND UNCERTAINTY: WHAT DOES THE FUTURE HOLD?

GENERAL MEETING P. 14

LOCAL CONTENT IN MEXICO: CHALLENGES AND OPPORTUNITIES

INTERNATIONAL AND HSSE-SR P. 11

OPPORTUNITIES FOR SMALL-SCALE LNG IN NORTH AMERICA

NORTHSIDE P. 15

BRIDGING THE GAP BETWEEN DRILLING AND COMPLETIONS: CHALLENGES AND SOLUTIONS IN HORIZONTAL WELLS

COMPLETIONS & PRODUCTION P. 21

SPE-GCS 32ND ANNUAL TENNIS TOURNAMENT

P. 27

CHAIR'S CORNER



DR. IVOR ELLUL
2015 - 2016 SPE-GCS Chair



warm welcome to all of you who form part of the continuously growing SPE Gulf Coast Section family as we commence the 2015-2016 year of operation – our 80th. Those of you who attended the kickoff meeting in August will have seen and heard what the Section managed to achieve during the 2014-2015 year. This is quite spectacular given the fact that our past year was bracketed by an oil price that peaked at \$96.50 on July 8, 2014, before starting on its merry way down to below \$50, where it is sitting at the moment.

We therefore find ourselves in an interesting, albeit somewhat challenging, state of play in this new season. The T. Boone Pickens school advises that oil will be at \$70 before the year is out. On the other hand, Jim “Mattress Mack” McIngvale is betting that it will not surpass \$85 at the end of 2015.

Whichever side of the fence you may be on, the word on the street is that we are now at the proverbial bottom and there is only one way out – up! I will be the first to subscribe to that mindset, and in avoiding the tendency to look backwards, will set a baseline for the Dow Jones, oil price, US production, and rig count. We will call it the **GCS Energy Ticker**, which I will kick off as of July 10, 2015 with an objective to track the progress and movement of these indicators via spark lines over the coming year.

As I alluded to in last month's *Connect*, there are a number of initiatives that I believe will serve as critical navigation tools for our membership over the coming year. Our society is predicated on the dissemination of technology. We do this along a number of avenues, the foremost being our study groups. The fifteen GCS study groups listed in the 2014-2015 Annual Report in the July *Connect* issue will very much be a focus of attention this year. The chairs for each of these study groups are listed in the Directory in the back of each newsletter issue, and I encourage you to reach out to them with questions, suggestions, new ideas for topics and presenters—they will welcome your feedback. Each of these study groups also has a liaison on the GCS board with the objective of enhancing visibility and delivering whatever support (financial, moral, or otherwise) is required from the board. The liaisons' contact information can be found on the GCS website along with all other study group and committee contacts. Please feel free to communicate with any of these individuals on any topic that you may deem relevant.

Traversing into the new year, we have already instituted a number of changes to the study group program:

1. We have expanded the footprint of the Northside Study Group to encompass the Woodlands. The group will therefore be hosting meetings in the Woodlands at locations to be announced in due course.

2. The Reservoir Study Group has widened its remit to clearly comprise unconventional hydrocarbon resources. The group has already presented on topics in this area, and we look forward to more on this additional focus.

3. We are rolling out a concept where topics and speakers from one study group may present at another study group during the course of the year. This “home and away” approach bodes to be particularly successful in areas where the study groups cross in functionality and ensures that we are serving all our members across the widespread footprint of Houston.

Back to our industry, it was very refreshing to read the earnings announcement of one of the larger service providers. While on the one hand, laying out what was being done to effectively manage its cost base, a substantial project list was provided of instances where new technology was being deployed around the world in both drilling and reservoir characterization in both the unconventional and conventional hydrocarbon basins. This does reinforce the adage that when the going gets tough, we, true to our engineering core, tend to kick matters up a notch or two on the technology front. And what better venue to roll out new and exciting developments than the upcoming SPE Annual Technology Conference and Exhibition taking place next month in our hometown. I certainly look forward to meeting you at the show.

All the best!

Please visit spegcs.org for more information!

GCS ENERGY TICKER

DJIA

WTI PRICE

US PRODUCTION

RIG COUNT

September CONTENTS

STUDY GROUPS

- 9** **Research & Development**
9.3.15
Trials and Failure Precede Lasting Success
- 10** **Petro-Tech**
9.8.15
Petro-Techs – Ever Evolving
- 11** **International and HSSE-SR**
9.8.15
Local Content in Mexico: Challenges and Opportunities
- 13** **Drilling**
9.9.15
Challenges Involved in Designing Relief Wells From a Well Placement Perspective
- 14** **General Meeting**
9.10.15
Energy Markets and Uncertainty: What Does the Future Hold?
- 15** **Northside**
9.15.15
Opportunities for Small-Scale LNG in North America
- 17** **Westside**
9.16.15
Vertical Fracture Characterization in the Delaware Basin Wolfcamp Using Multiple Diagnostic Technologies

18 **Reservoir**
9.17.15
How to Predict Reservoir Performance with Subsurface Uncertainty at Multiple Scales

19 **Business Development**
9.23.15
Newfield: An Overview of the SCOOP/STACK by a Best-in-Class Operator

21 **Completions & Production**
9.30.15
Bridging the Gap Between Drilling and Completions: Challenges and Solutions in Horizontal Wells

COMMITTEES

22 **Auxiliary**
9.11.15
Program: Natural Fall Arrangements

23 **Technology Transfer**
9.9.15 – 9.10.15
Research Partnership to Secure Energy for America, Ultra-Deepwater Research (RPSEA)

Young Professionals
9.13.15
Volunteering at The Beacon

25 **Community Service**
9.26.15
2015 Clean Galveston Volunteer Event



MORE

25 **SPEI Global Recognition: Gulf Coast Section Winners**

29 **SPEI Annual Technical Conference and Exhibition (ATCE)**

IN EVERY ISSUE

5 **SPE-GCS JULY Membership Report**

Volunteer Spotlight
Bryan Marlborough

6 **Then & Now**
Buddy Woodroof

30 **Event Recap**
Community Outreach: The Beacon
EEC 2015 Conference

33 **Student Chapter Section**
TAMU-SPE

34 **SPE Gulf Coast Section Directory**

BOARD OF DIRECTORS MEETING

THURSDAY, SEPTEMBER 17TH / 7:30 TO 10:30 AM

Location **SPE HOUSTON OFFICE**

10777 Westheimer Rd., Suite 1075, Houston, TX 77042

Event Contact **SHARON HARRIS**

713-457-6821 / 713-779-4216 FAX / sharris@spe.org

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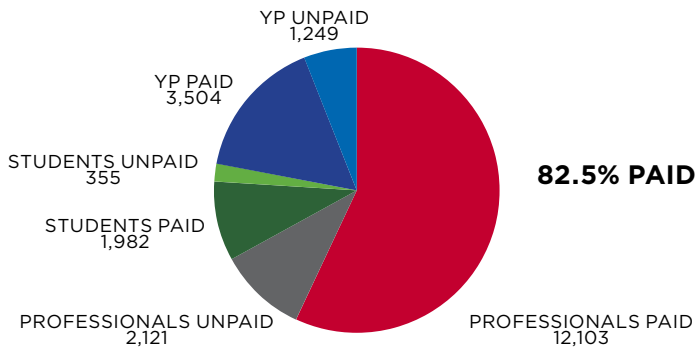
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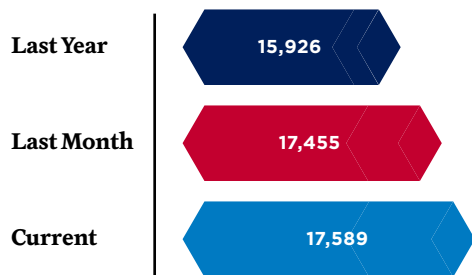
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SPE-GCS MEMBERSHIP REPORT July 2015

TOTAL SPE-GCS MEMBERSHIPS



PAID MEMBERSHIPS TRENDS



	PAID	UNPAID	TOTALS
Professional	12,103	2,121	14,224
YP	3,504	1,249	4,753
Students	1,982	355	2,337
HCC	157	33	190
Rice	76	15	91
Texas A&M	1,236	188	1,424
UH	464	111	575
Unassigned	49	8	57
Current	17,589	3,725	21,314
Last month	17,455	3,776	21,231
Last year	15,926	3,582	19,508

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



VOLUNTEER SPOTLIGHT BRYAN MARLBOROUGH

This month SPE Gulf Coast Section is pleased to recognize Bryan Marlborough as the volunteer of the month. He currently serves as a committee member for our Projects, Facilities & Construction Study Group, where he works closely with SPE International to bring technical lectures and knowledge transfers to a worldwide audience through webinar initiatives.

Chris Shaw, the outgoing chair of the Projects, Facilities & Construction Study Group describes Bryan as "one of our most active committee members who pioneered the webinar process which we have now adopted as business as usual."

Bryan is a project manager at Wood Group ODL, providing technical documentation for large capital expenditure projects in North America and West Africa. Bryan brings technical expertise and project consulting services to the oil & gas industry by building customer relations, delivering facility-wide documentation and creating system-specific training materials. He works closely with oil & gas operators and service providers, optimizing their documentation and training requirements to adapt to the ever-changing project environment.

Bryan began his career with onshore oil & gas support facilities and has worked in operations on both the outer-continental shelf and deepwater Gulf of Mexico. Bryan has assisted in institutional research initiatives in the realm of oil & gas safety and reporting while serving as a steering committee member for the Petroleum Engineering and Safety Management program at Nicholls State University. He holds two degrees from Nicholls in Petroleum Engineering Technology and Petroleum Safety Management.

"Your hard work affects more than you realize."

Thank you, Bryan!

THEN & NOW

COLUMN BY BUDDY WOODROOF

SEPTEMBER

1955

What is the quickest identifier of an engineering student on college campuses circa 1955...thick glasses, poorly coordinated attire, limited social skills? None of the above... the correct answer will be revealed in this month's History Quiz.

What was the hottest stimulation treatment circa 1955? Extra-high injection rate sand fracs, pumped at an astounding 30-40 bpm!

The future of the Argentine oil industry may hang by a political thread, namely, the reelection of President Juan Peron (remember, Eva's husband). Peron favors foreign oil investments, while his political opponents do not.

Mexican natural gas may soon be flowing into U.S. markets, as Pemex negotiates with Texas Eastern Transmission to build a 400-mile pipeline from Reynosa to Beaumont (my, how things have changed!).

**U.S. active rig count - 2,766;
East Texas crude oil - \$2.90/bbl**

SEPTEMBER

1980

The Chinese oil ministry is being purged following the collapse of a rig in the Gulf of Po Hai in which 72 men were killed, including some of China's top oil experts. The Chinese press reported that safety warnings were ignored, and a 70-mph gale hit the rig.

The French government reports plans to exchange electronic warfare equipment for Iraqi crude oil.

For the first time in history, the U.S. active rig count averaged 3,000 for a calendar month (3,045 for August).

Saudi Arabia has reportedly completed negotiations for 100% acquisition of Aramco. The takeover agreement will include continued guaranteed access to crude for the four Aramco members... Exxon, Mobil, Socal, and Texaco.

U.S. active rig count - 3,076

SEPTEMBER

2000

Blockades by truckers, farmers, and fishermen over escalating fuel prices have spread to the UK, France, Germany, Belgium, and the Netherlands.

Pemex reports plans to drill five deepwater wildcats during the next 7-10 years in the Gulf of Mexico in 600-1,400m of water.

Three double-hulled Millennium-class tankers are being built at a cost of \$150 million apiece to transport 1 million bbl of Alaskan crude cargo each from Alaska to the U.S. West Coast.

Chevron reached a \$7 million settlement with the EPA and the Department of Justice concerning alleged violations of the Clean Air Act at its El Segundo, California refinery marine terminal, which is 1.5 miles offshore.

**Light sweet crude oil - \$34.65/bbl;
Natural gas - \$5.10/MMbtu;
U.S. active rig count - 1,012**

THE REST OF THE YARN

Having examined in recent issues the life and times of the three great American entrepreneurs of the late 19th and early 20th centuries, all three of which had unique impacts on the fledgling oil industry, we saw first-hand how John D. Rockefeller, Henry Ford, and Andrew Carnegie dominated and ultimately monopolized the industries that they built. They pretty well had their way until the descendant of a wealthy New York family appeared on the scene. As he rose to power on the American political scene, he put the "fat cats" on notice that he was going to put the brakes on the growth of huge, monopolistic corporations, and in the process, he took on four of the richest, most powerful men in America at that time. He was the fleshy-faced, thick-necked, pugnacious figure with the huge teeth, namely, the man they called "Teddy."

America's business elite was wary of Theodore Roosevelt from the start. He turned out to be the first president to aggressively use the powers of government to set rules for the headlong U.S. economy and the men he called "malefactors of great wealth." When President William McKinley chose Teddy as his running mate in 1900, Ohio senator Mark Hanna, the business-friendly GOP power broker who had engineered McKinley's rise, was horrified. "Don't any of you realize," Hanna raged at fellow Republicans, "there's only one life between this madman and the presidency?" As governor of New York, the job he occupied before joining McKinley's ticket, Roosevelt had pushed legislation to clean up sweatshops, strengthen state inspection of factories, and cap the workday at eight hours. He was no radical, but he was convinced that if the legitimate grievances of laborers and the poor were not addressed, they would rise up and take matters into their own hands.

By comparison, McKinley had been everything a robber baron could hope for in a president. He consulted with Wall Street on economic policy, kept tariffs high to protect American industry resulting in increased prices for consumers, and never moved to curb the growth of trusts, the huge enterprises that gathered together smaller companies to form near-monopolies. Oil, steel, rubber, copper—the major sectors of the economy—were becoming dominated by behemoths like Rockefeller's Standard Oil, which marketed 84% of the petroleum products in the U.S. As large companies gobbled up smaller ones, McKinley did nothing to spoil the feeding frenzy. The Sherman Antitrust Act, passed in 1890, was a feeble weapon to begin with, but McKinley didn't even take the trouble to use it.

Next month, the fat cats weigh in on the free enterprise system.

THEN & NOW
 SEPTEMBER
QUIZ

What is the quickest identifier of an engineering student on college campuses circa 1955?

ANSWER TO MAY'S QUIZ

The first reported oil production from Maverick County in South Texas (now a part of the Eagle Ford play) was from the Austin Chalk formation in 1955.

APRIL'S WINNER
Walt Laflin, Consultant
 Upstream Oil & Gas Engineering

If you would like to participate in this month's quiz, e-mail your answer to contest@spe.org by noon, September 15. The winner, who will be chosen randomly from all correct answers, will receive a \$50 gift card to a nice restaurant.

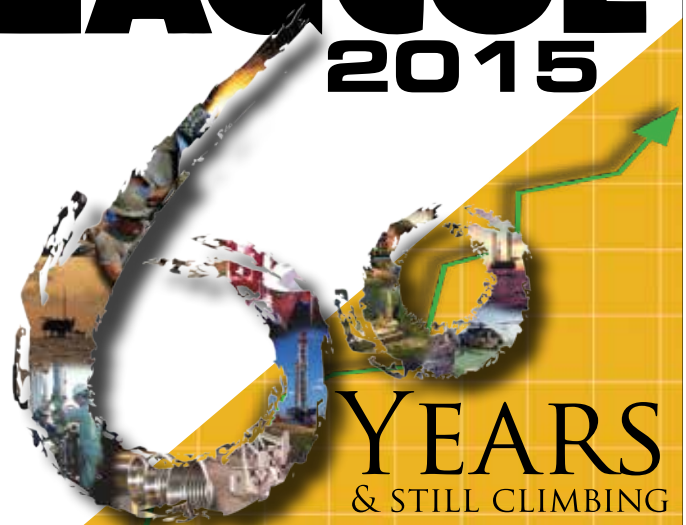
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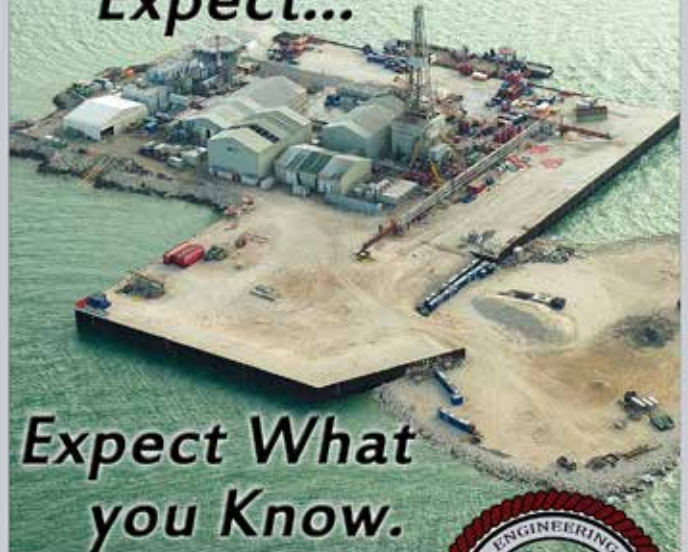


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RESEARCH & DEVELOPMENT

Trials and Failure Precede Lasting Success

Drawing on his many years of experience, Mr. Hall will discuss his perspective on innovation. Novatek is a “modern Edison lab” that has fine-tuned the intellectual property process. Everything is done in-house, including the brainstorming, legal legwork, and actual machining of prototypes. His interests include: R&D management, strategic partnerships, long-term planning, and high pressure and high temperature materials and equipment. His talk will be followed by a dynamic question and answer session.

DAVID R. HALL

David is the current President and CEO of Novatek, a technology company founded by his father, located in Provo, Utah. Novatek has generated over 600 patents since its inception in 1955 and continues to focus on producing “disruptive technologies with global-scale impacts.” Through his long-time involvement in the family business, David has been immersed in a culture of “constant experimenting and prototyping,” giving him a wealth of experience from which to talk about how success and failure both lead to innovation.



EVENT INFO

Thursday
9.3.15
11:30 AM TO 1:00 PM

SPEAKER
David Hall
President and CEO
Novatek, Inc.

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

EVENT CONTACT
Skip Davis
281-359-8556
skip.davis@pega.com

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\$40

NON-MEMBERS
\$45

STUDENTS
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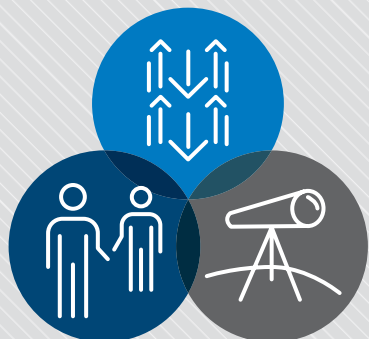
Petro-Techs - Ever Evolving

The roles and responsibilities of Petro-Techs are ever evolving. Join us for a brief overview of tech disciplines and roles, and an overview of how the Petro-Tech Study Group can help you evolve in your profession. We will present the program year calendar as well as unveil new and exciting efforts to expand and grow the group to bring new and better opportunities for members.

JESSICA MORGAN

Jessica is the current Chair of the Petro-Tech Study Group, having been on the committee since 2011. Jessica has thirteen years of experience in the industry moving from admin to tech to technologist in quick succession. She has extensive experience in data analysis, reserves reporting, database administration, corporate compliance and reporting, and software development/troubleshooting, to name a few.

Jessica has been a member of SPE for seven years and has been employed at Black Stone Minerals as a Senior Engineering Technologist for the last five years. Prior to Black Stone, she was part of the Engineering team at Goodrich Petroleum for eight years. She's a single mom of two teenagers and an avid genealogist. She enjoys a wide range of activities from hunting and archery to scrapbooking, photography, and reading.



EVENT INFO

Tuesday

9.8.15

11:30 AM TO 12:30 PM

SPEAKER

Jessica Morgan
Senior Engineering Technologist
Black Stone Minerals

LOCATION

Sheraton Brookhollow
3000 North Loop West Freeway
Houston, TX 77092

EVENT CONTACT

Jessica Morgan
281-685-0594
jmorgan@blackstoneminerals.com

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INTERNATIONAL AND HSSE-SR

Local Content in Mexico: Challenges and Opportunities

On September 8, 2015, the International Study Group (ISG), in conjunction with the Health, Safety, Security, Environmental and Social Responsibility (HSSE-SR) Study Group, is hosting a panel session and luncheon at the Petroleum Club of Houston on “Local Content in Mexico: Challenges and Opportunities.”

The event will focus on:

- Current and upcoming local content policies and regulations
- Experience of global companies managing local content in the oil and gas value chain in Mexico

Attendees will leave with a better understanding of:

- Local content requirements in Mexico, current and forthcoming
- Perceived versus actual risks of local content in Mexico
- Opportunities for Mexico and the industry through local content

Following this event, SPE GCS plans to host a series of events on relevant and timely sustainable development and HSSE-SR topics in Mexico.

The panel session is sponsored by the Institute of International Education (IIE), an independent not-for-profit organization dedicated to international education and training. More information on the IIE may be found at their website, iie.org.

SPEAKERS

The panel of experts on local content and related issues in Mexico will include highly experienced and knowledgeable speakers from government, academia, and industry. Speakers will include: Hector Marquez Solis, the Head of Procurement for the Mexican Government’s Ministry of Economy; Natalie Stirling-Sanders, the Global Manager of Local Content, Supplier Diversity, and Sustainable Procurement for ExxonMobil’s Global Services Company; and Tony Payan, Ph.D, the Françoise and Edward Djerejan Fellow for Mexico Studies and the Director of the Mexico Center at Rice University’s Baker Institute.

Hector Marquez Solis

Head of Procurement,
Ministry of Economy, Government of Mexico

Natalie Stirling-Sanders

Global Manager of Local Content, Supplier Diversity, and Sustainable Procurement
ExxonMobil Global Services Company

Tony Payan, Ph.D

Director, Mexico Center
Baker Institute, Rice University



EVENT INFO

Tuesday
9.8.15
11:30 AM TO 1:30 PM

SPEAKERS
Hector Marquez Solis
Natalie Stirling-Sanders
Tony Payan, Ph.D

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

EVENT CONTACT
Mary Beth Snodgrass
713-882-3665
mbs@localcontentconnect.com

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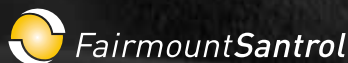


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DRILLING

Challenges Involved in Designing Relief Wells From a Well Placement Perspective

To meet the new regulatory requirements, many oil and gas companies are looking for ways to produce reliable relief well plans without generating intercept plans for every casing section. In the GoM, BP has been working to make the relief well planning process more transparent, efficient, and consistent through (1) a systematic, repeatable relief well planning methodology that establishes a standard range of boundary conditions and (2) a specialized set of engineering tools that enable teams across the organization to generate similar results.

ROGER B. GOOBIE



Roger joined the oilfield over 20 years ago after graduating from the University of the West Indies with a Bachelor of Science Honors in Electrical and Computer Engineering.

Roger now works as the Well Placement Technical Specialist for BP's Global Wells Organization western hemisphere operations. Since joining BP, he has worked on several process safety workflows related to real time anti-collision management and a systematic approach to

relief well trajectory design.

Roger worked for a major service company before joining BP in 2011 and has held several technical and managerial positions. He's worked in several countries including Trinidad and Tobago, Venezuela, Colombia, Brazil, India and the United States Gulf of Mexico.

As a member of SPE for the last 15 years, Roger has authored and presented over a dozen technical papers on a wide variety of drilling optimization topics. A few of his SPE publications have been peer reviewed by SPE. In 2014, Roger received the SPE North America Gulf Coast Regional Drilling Engineering Award which recognized those who help to achieve SPE's goals for technology dissemination.

The most recent paper Roger delivered was at the SPE/IADC 2015 Drilling Conference in London: SPE-173097-MS, "A Guide to Relief Well Trajectory Design using Multidisciplinary Collaborative Well Planning Technology." Roger will present this paper and the challenges involved in designing relief wells from a well placement perspective at this event.



EVENT INFO

Wednesday
09.9.15

11:30 AM TO 1:00 PM

SPEAKER

Roger B. Goobie
Well Placement Specialist
BP GOM Drilling Excellence Group

LOCATION

The Greenspoint Club
16925 Northchase Dr.
Houston, TX 77060

EVENT CONTACT

Tom Wick
713-806-2631
tom.wick@nov.com

MEMBERS

\$35

NON-MEMBERS

\$45



EVENT INFO

Thursday

9.10.15

12:00 PM TO 1:30 PM

SPEAKER

Dr. Ken Medlock
Senior Director of the Center for
Energy Studies
Rice University

LOCATION

Houston Marriott Westchase Hotel
2900 Briarpark Dr.
Houston, TX 77042

EVENT CONTACT

Barry Faulkner
281-627-8790
barryfaulkner@earthlink.net

MEMBERS

\$35

NON-MEMBERS

\$40

GENERAL MEETING

Energy Markets and Uncertainty: What Does the Future Hold?

The one constant is change. Nowhere is this truer than in energy markets, a fact which renders predicting the future with any precision to be folly. However, an outlook rooted in fundamental analysis is important to understanding the long term evolution of markets as well as the short term instigators of uncertainty. Global crude oil and natural gas markets are each in a period of transition, although for different reasons. In each case, pricing is a major source of uncertainty for commercial interests and policy makers alike. Is the current weakness in oil and gas market prices a harbinger of a “new normal”? How will current and emerging policy paradigms influence market outcomes? More importantly, what can help us answer such questions? This talk will highlight critical issues in understanding what the future may hold.

KENNETH B. MEDLOCK III



Kenneth B. Medlock III, Ph.D., is the James A. Baker, III, and Susan G. Baker Fellow in Energy and Resource Economics at Rice University's Baker Institute for Public Policy. He is the senior director of the Center for Energy Studies, as well as an adjunct professor and lecturer in the Department of Economics and adjunct assistant professor of Civil and Environmental Engineering at Rice University. He is a principal in the development of the Rice World Natural Gas Trade Model, aimed at assessing the future of international natural gas trade. He has published numerous scholarly articles in his primary areas of interest: natural gas markets, energy commodity price relationships, gasoline markets, transportation, national oil company behavior, economic development and energy demand, and energy use and the environment.

Medlock is currently the vice president for conferences for the United States Association for Energy Economics (USAEE), and previously served as vice president for academic affairs. He has won several awards and fellowships for his work. Medlock has served as an advisor to the U.S. Department of Energy and the California Energy Commission in their respective energy modeling efforts. Dr. Medlock received his Ph.D. in Economics from Rice University in 2000, and held the MD Anderson Fellowship at the Baker Institute from 2000 to 2001.

NOTE: This is a joint meeting luncheon with the SPE-GCS Technology Transfer Committee. They and RPSEA (Research Partnership for Secure Energy for America) are conducting a two-day technology conference September 9 - 10 on Ultra-Deep Water Research. If you wish to register for the Ultra-Deep Water Research conference, please go to this SPE-GCS webpage - <http://www.spegcs.org/events/2960/>. This joint luncheon meeting will be held on the second day of this technology conference. If you wish to attend only the General Meeting luncheon, please go to the General Meeting webpage.

NORTHSIDE

Opportunities for Small-Scale LNG in North America

The shale gas boom has led to large quantities of cheap natural gas becoming available to companies. Many companies are looking at different monetization options and the most talked about option is LNG. Most attention is given to large-scale LNG projects with the aim of exporting to large markets such as Europe and Asia, but small-scale LNG is also an attractive monetization that many companies are considering. Small-scale LNG offers both unique opportunities and challenges ranging from supplying smaller regional markets for marine or industrial use to capital expenditure problems that arise from a lack of economies of scale. This presentation will explore the opportunities and challenges that companies involved with small-scale LNG can face as well as give insight through analysis of markets, companies, technologies, strategies, and economics.

UDAY TURAGA



Uday Turaga is CEO of ADI Analytics, a boutique energy and chemical consulting firm based in Houston, TX. Through more than 15 years of experience at ConocoPhillips, ExxonMobil, Booz, and ADI, Turaga brings deep commercial and technical expertise in oil and gas, coal, renewables, and chemicals.

Turaga has led the ADI team to advise Fortune 500 companies, cleantech start-ups, government agencies, and investors on market entry, strategic planning, competitive positioning, and technology assessment. Over the past six years, ADI Analytics has completed more than 150 projects for over 70 clients, including BP, Shell, Chevron, BASF, Mitsui, Honeywell, KKR, and the U.S. Department of Energy.

Turaga holds a PhD in Fuel Science from Penn State and an MBA from the University of Texas at Austin. He has been recognized by the U.S. National Academy of Engineering, the American Chemical Society, and the Penn State Alumni Association. Finally, Turaga is a frequent speaker at conferences globally and has been featured by National Public Radio, Bloomberg, and the Australian Financial Review.

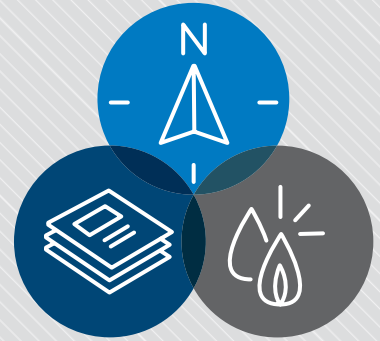
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EVENT INFO

Tuesday
9.15.15

11:30 AM TO 1:00 PM

SPEAKER

Dr. Uday Turaga
Chief Executive Officer
ADI Analytics LLC

LOCATION

The Greenspoint Club
16925 Northchase Dr.
Houston, TX 77060

EVENT CONTACT

Sumitra Mukhopadhyay
281-784-5742
smukhopadhyay
@superiorenergy.com

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STUDENTS/UNEMPLOYED

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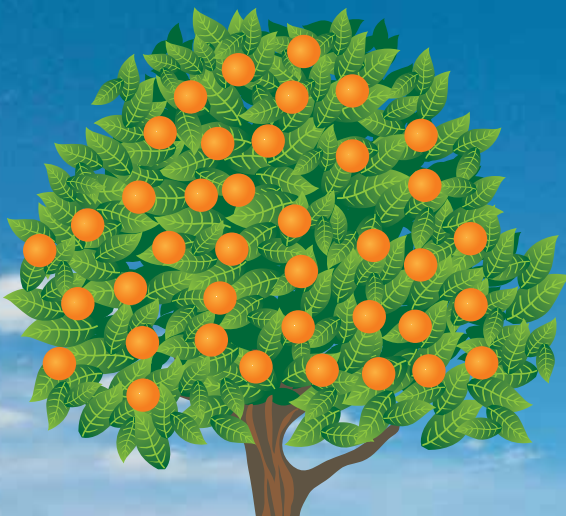
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WESTSIDE

Vertical Fracture Characterization in the Delaware Basin Wolfcamp Using Multiple Diagnostic Technologies

In many unconventional reservoirs, accurately predicting effective fracture height remains one of the biggest challenges. In thick-stacked plays like the Wolfcamp formation in the Delaware Basin, effective fracture height becomes a critical factor in determining the number of stacked laterals required to successfully develop the acreage. ConocoPhillips recently designed a vertical fracture characterization well to empirically determine and gain critical insight into created fracture height. The presentation will review the framework, observations, and findings from this project and will offer a comparison to other diagnostics used for characterizing fracture geometry.

MATT CZAPSKI

Matt Czapski is a senior completion engineer at ConocoPhillips where he has worked in the Permian Shale group for the past three years. He has provided overall completion optimization and delivery of horizontal wells in the Delaware Basin's multiple stacked pay targets during this time. Matt's primary focus has been in unconventional horizontal completions with experience in multiple areas, including Haynesville, Western Canada, and Permian conventional formations. Matt received a B.S. degree in Civil Engineering from Texas A&M University.



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EVENT INFO

Wednesday
9.16.15

11:30 AM TO 1:00 PM

SPEAKER

Matt Czapski
Senior Completion Engineer
ConocoPhillips

LOCATION

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

EVENT CONTACT

Stephen Loving
713-328-2244
stephen.loving@corelab.com

MEMBERS

\$40

NON-MEMBERS

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EVENT INFO

Thursday
9.17.15

11:30 AM TO 1:00 PM

SPEAKER

Xiao-Hui Wu
Senior Earth Modeling Advisor
ExxonMobil Upstream
Research Company

LOCATION

Sullivan's Steakhouse
4608 Westheimer Rd
Houston, TX 77027

EVENT CONTACT

Alexandra Martinez
956-249-0994
alexandra.martinez
@anadarko.com

MEMBERS

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RESERVOIR

**How to Predict Reservoir
Performance with
Subsurface Uncertainty
at Multiple Scales**

Subsurface uncertainty is one of the main challenges in using reservoir models to predict field performance for development and depletion planning purposes. The importance of reliable characterization of subsurface uncertainty and its impact on reservoir performance predictions is essential to robust decision making in the upstream industry, and this is especially true for large projects in complex geologic settings. However, despite recent advances in reservoir modeling and simulation, reliable quantification of the impact of subsurface uncertainty remains difficult in practice. This lecture presents an analysis of the challenge and possible resolutions. Relying on computing power alone may not address the challenge. Instead, we must look at reservoir modeling and performance prediction holistically, from modeling objectives to appropriate techniques of incorporating reservoir heterogeneity into models.

XIAO-HUI WU



Xiao-Hui Wu joined ExxonMobil Upstream Research Company in 1997 and is currently a senior earth modeling advisor. His research covers geologic modeling, unstructured gridding, upscaling, reduced order modeling, and uncertainty quantification. Wu holds a Ph.D. in Mechanical Engineering from The University of Tennessee and has done post-doctoral studies in applied mathematics at California Institute of Technology. He has been a technical editor for the SPE Journal and has served on the SPE Reservoir Simulation Symposium program committee.

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Newfield: An Overview of the SCOOP/STACK by a Best-in-Class Operator

Newfield has allocated 70% of its 2015 budget to the SCOOP and STACK trends of the Anadarko Basin, where it has impressive total holdings of 300,000 net acres. While representing 28% of its proved reserves, the Anadarko Basin provides 50% of Newfield's 1.8 bboe of future drilling resource. With challenging commodity prices, logistical efficiency and operational excellence are required to preserve margins and facilitate continued development. What are the petroleum system fundamentals of these plays? How has industry progressed each of these opportunities? How is Newfield developing its impressive asset? What operational improvements has it made both on the surface (ex: logistics) and in the pay horizons (ex: Hz and vertical spacing)? What have the EUR and cost reduction benefits of these activities been? What other advancements can we expect in the upcoming year?

Please join us at the Four Seasons for this informative discussion. The popular format of a business & social networking hour, with complimentary hors d'oeuvres and a cash bar, followed by an hour-long program including a Q&A session, will begin at 5:00 pm in the Mezzanine.

JOHN JASEK



John Jasek was named to this position in October 2014 and is responsible for optimizing operational performance and exploiting best practices across Newfield's assets. He previously served as Vice President - Onshore Gulf Coast. Jasek also held the role of Vice President, Gulf of Mexico, leading the Company's Gulf of Mexico team. Prior to joining Newfield in 2000 as a reservoir engineer, Jasek worked for Anadarko Petroleum Corporation and Amoco Production Company. Jasek is a member of the Society of Petroleum. He is a graduate of Texas A&M University with a degree in Petroleum Engineering.

NOTE: SEASON PASS HOLDERS: You do not need to register for this event, as your Season Pass has automatically registered you for all 2015-2016 Business Development events. Thank you for being a Season Pass Holder!

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EVENT INFO

Wednesday
9.23.15

5:00 PM TO 7:00 PM

SPEAKER

John Jasek
Sr. VP of Operations
Newfield Exploration Company

LOCATION

Four Seasons Hotel
1300 Lamar
Houston, TX 77010

EVENT CONTACT

Cody Felton
281-221-3042
Cody.Felton@energynet.com

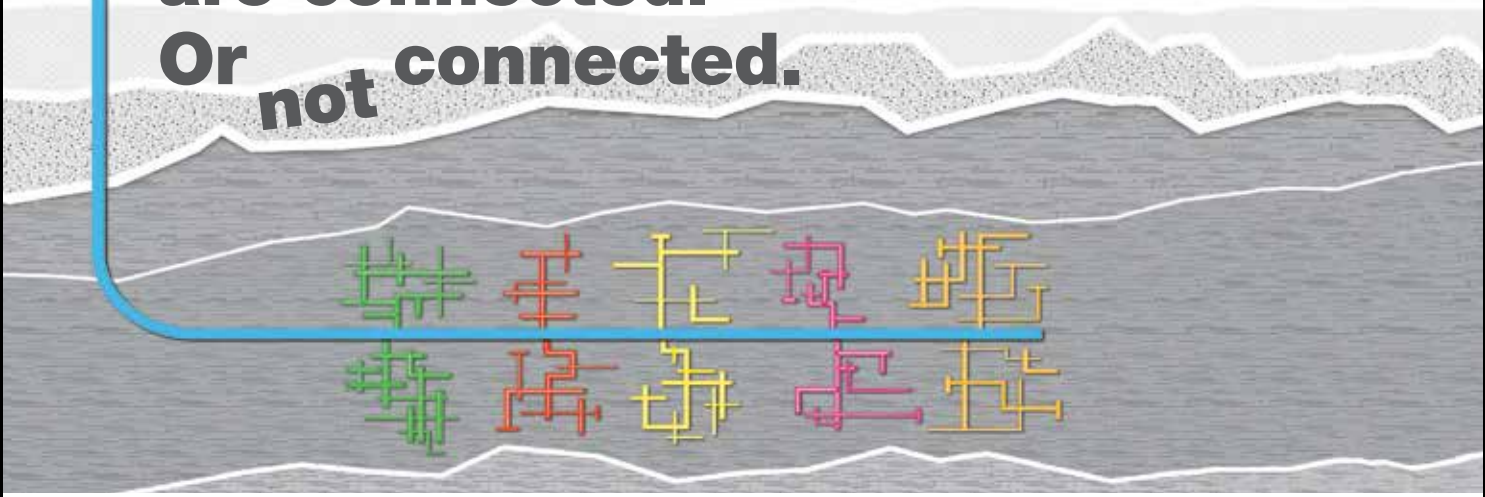
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COMPLETIONS & PRODUCTION

Bridging the Gap Between Drilling and Completions: Challenges and Solutions in Horizontal Wells

Economic development of low permeability unconventional reservoirs has necessitated the development of advanced horizontal drilling, completion, and stimulation techniques. This presentation starts with two questions: does completion technology lag behind drilling technology? Can we drill longer wells than we can effectively complete/stimulate? For the resource plays of today, the challenges for completion technologies to keep pace with drilling advances are different from the past. Economics, supply chain, logistics, and environmental challenges may present the largest hurdles. The presentation concludes with the questions: Are completion engineers prepared to effectively stimulate and complete a 3-mile lateral? What will future field developments look like, and what kinds of new completion technologies are required? Can we bridge the gap between drilling and completion in unconventional reservoirs?

MARY VAN DOMELEN

Mary Van Domelen is an engineering advisor at Continental Resources. She has 30 years of experience in research and practical application of well completions. Before joining the company, she worked for Maersk Oil and Chesapeake Energy in horizontal drilling and completion operations. She has coauthored more than 30 papers and holds several patents. Mary earned a BS in Chemical Engineering from the University of Oklahoma. She has participated in organizing committees for SPE conferences.



EVENT INFO

Wednesday
9.30.15

11:30 AM TO 1:00 PM

SPEAKER

Mary Van Domelen
Engineering Advisor
Continental Resources

LOCATION

The Greenspoint Club
16925 Northchase Dr.
Houston, Texas 77060

EVENT CONTACT

Shree Krishna
919-413-9670
shreekrishna@gmail.com

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NON-MEMBERS

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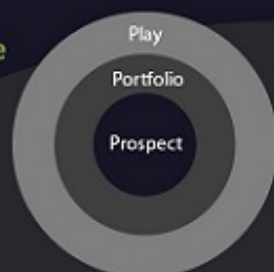
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Committee: Auxiliary

EVENT INFO

FRIDAY

9.11.15

EVENT LOCATION

Brio Tuscan Grille at City Centre
12808 Queensbury Lane, Ste. 100
Houston, TX 77024
713-973-9610

PROGRAM

Natural Fall Arrangements

PRICE

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EVENT CONTACTS

Evelyn Earlougher
281-419-1328
earlougher@comcast.net

Nancy Hill
281-435-1619
Nancyhill2444@sbcglobal.net

Research Partnership to Secure Energy for America, Ultra-Deepwater Research

The RPSEA Ultra-Deepwater (UDW) program conducts research that targets technologies that are beneficial to offshore operators working in the Gulf of Mexico and other deepwater environments.

Topics will include the latest technologies in:

- Design and development of offshore deepwater technologies and operations
- Best current risk assessment and management strategies to improve environmental and safety practices
- Real-time monitoring, cementing practices and materials, pressure prediction
- Power distribution, HPHT operations and subsea measurement
- Analysis of corrosion and scale, hydrate modeling
- Climate variability and hurricane modeling, prediction of hurricanes for GOM

Registration includes continental breakfast, lunch buffet, and breaks on both days. For those individuals who need professional development hours, certificates will be provided based on the number of sessions attended.

EVENT INFO

WEDNESDAY - THURSDAY

9.9.15 - 9.10.15

8:00 AM - 4:30 PM

EVENT LOCATION

Westchase Marriott
2900 Briarpark Dr.
Houston, TX 77042

EVENT CONTACT

William (Bill) Head
281-690-5519
bhead@rpsea.org

MEMBERS

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NON-MEMBERS

\$500

Volunteering at the Beacon

Please join SPE-GCS Young Professionals in their support of The Beacon, a nonprofit organization helping the poor and homeless populations of the Houston area.

Since opening in 2007, The Beacon has grown from serving 80 clients per day to serving 600-800 clients daily in four core programs: The Beacon Day Center, Cathedral Clinic at The Beacon, Brigid's Hope at The Beacon, and Cathedral Justice Project at The Beacon. These four programs come together under one roof to provide meals, showers, laundry service, case management, medical and psychiatric care, pro bono legal services and pastoral care.

More than 85% of the services at The Beacon are operated by volunteers. On September 13th, it will be the SPE-GCS Young Professionals who answer the call. Come and bring friends or family!

Please have a good breakfast before arriving in order to remain fit throughout the event since our service extends beyond the typical lunchtime, and the work may involve some physical activity. You may also bring gently used or new items to donate.

EVENT INFO

SUNDAY

9.13.15

10:30 AM TO 2:00 PM

EVENT LOCATION

The Beacon Center
1212 Prairie Street
Houston, TX 77002

EVENT CONTACT

Catalina Leal
832-729-5462
Catalina.leal@bakerhughes.com



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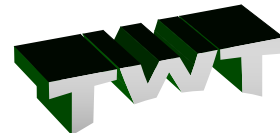
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2015 Clean Galveston Volunteer Event

We need your help! Come join the SPE-GCS Community Service group to make an impactful difference within our environment by cleaning up Galveston Beach.

Last year, more than 21 tons of trash was collected by Clean Galveston volunteers. Each volunteer will be given data cards, gloves, pencils and trash bags. Debris source and type will be recorded before all debris is discarded appropriately. All volunteers are advised to dress comfortably, wear closed-toe shoes, and bring sunscreen, hats, bug repellent and plenty of drinking water.

EVENT INFO

SATURDAY

9.26.15

8:00 AM

EVENT LOCATION

Galveston Island
Menard Park, 27th & Seawall Blvd.
2222 28th St
Galveston, TX 77550

EVENT CONTACT

Sheryl Rozier, Clean Galveston
409-762-3363
832-689-1099 (cell)

Gulf Coast Section – Global Recognition

Each year SPE International has a process to identify those members who make significant contributions to the industry. In 2015, SPE recognized 54 individuals globally, 16 of whom were from the Gulf Coast Section. Congratulations to each of them!

Awards for 2016 will be considered this fall. If one of your colleagues is making a major contribution, please consider nominating them for an appropriate award. Details are available at www.spe.org/awards.

All members should be proud that the Gulf Coast Section has been honored with the 2015 President's Award for Section Excellence. Thanks to Jeanne Perdue, our 2014-2015 Chair, all the Board members, and the leaders in all the Study Groups and Committees who did all the work to make this award possible.

Honorary Membership

Syed A. Ali, Schlumberger
J.J. Azar, University of Tulsa
Thomas A. Blasingame, Texas A&M University

Distinguished Membership

Larry K. Britt, NSI Fracturing and Britt Rock Mechanics Laboratory
Abu Rashid Hasan, Texas A&M University
Richard C. Haut, Houston Advanced Research
George E. King, Apache
George K. Wong, Shell

Distinguished Service Award

Dennis E. Dria, Myden Energy Consulting

Distinguished Achievement Award for Petroleum Engineering Faculty

Akhil Datta-Gupta, Texas A&M University

Young Member Outstanding Service Award

Antonio C. Fernandez, Jefferies

Completions Optimization and Technology Award

Mehmet Parlar, Schlumberger

Drilling Engineering Award

Neal Adams, Neal Adams Services

Health, Safety, Security, Environment, and Social Responsibility Award

Tom Knode, Statoil

Management and Information Award

Art J. Schroeder, Jr., Energy Valley

Production and Operations Award

Luigi Saputelli, Frontender Corporation

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SPE-GCS 32ND Annual Tennis Tournament

The 32nd Annual Society of Petroleum Engineers Gulf Coast Section Tennis Tournament will be held on Thursday, November 5th, and Friday, November 6th, at the Houston Racquet Club, located at 10709 Memorial Drive in Houston, Texas. Proceeds from the tournament benefit the SPE-GCS Scholarship Fund, which supports college students studying petroleum engineering, math and sciences. In combination with other section functions, more than \$3 million in scholarships has been awarded to well-deserving students through this program since 1963.

In 2014, we had a very successful tournament with 115 players participating. Registrations and sponsorships raised \$35,000 in revenue. After tournament expenses, net proceeds of over \$9,500 were contributed to the SPE-GCS Scholarship Fund.

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

On behalf of the entire 2015 SPE-GCS Tennis Committee, we look forward to seeing everyone for two fun-filled days of tennis competition!

QUESTIONS

James Jackson
713-366-5704
James.Jackson
@Halliburton.com

LOCATION

The Houston Racquet Club
10709 Memorial Drive
Houston, TX 77024
713-464-4811
houstonracquetclub.com

START TIMES

Mixed Doubles
Begins Thursday
November 5th - 6:00 PM

Tournament Doubles
Begins Friday
November 6th - 9:00 AM

DEADLINE

October 30, 2015
Participation is limited!
Entries accepted on a
first-come, first-served basis.

Thursday / Friday
November 5 - 6

EVENT INFORMATION

There will be two flighted round robin events:
Mixed Doubles - Thursday evening, November 5th
Tournament Doubles - Friday, November 6th

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

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

FLIGHTING

Championship - Advanced Players
A - Regular & Advanced Players
B - Intermediate Players
C - Non-regular Players & Beginners

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

WHAT TO EXPECT

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

Thursday - Light dinner
Friday - Breakfast, lunch and snacks
Hit & Grab - Friday after lunch
Award presentations, door prizes & heavy appetizers - late Friday afternoon - 4PM

RULES OF ENTRY

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

REGISTRATION

Thursday, November 5th - 4:00 - 6:00 PM
Friday, November 6th - 8:30 - 9:00 AM

IMPORTANT NOTICE

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

ENTRY FEE INFORMATION

\$125.00 per person - Fee covers Tournament and Mixed Doubles for an individual player.
\$50.00 for those only playing Mixed Doubles.
\$25.00 - Spouse/Guest (Not Playing)
Fees are due with entry form.

FOR REGISTRATION

www.spegcs.org/committees/tennis/

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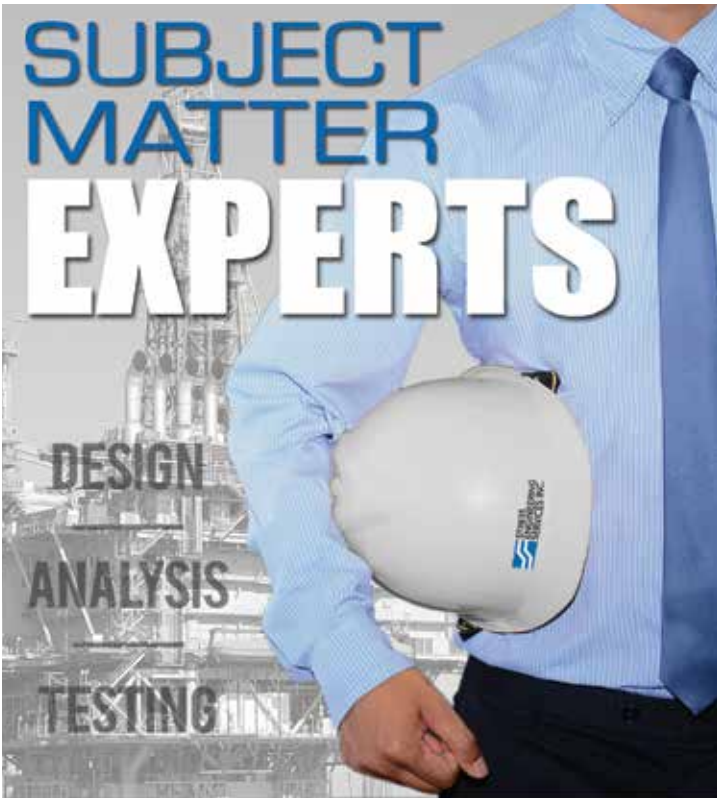
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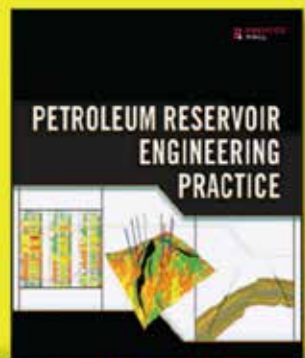
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Houston Marks the Spot for ATCE 2015

Since its first annual conference 90 years ago, the Society of Petroleum Engineers (SPE) Annual Technical Conference and Exhibition (ATCE) has attracted more than a half-million of the exploration and production (E&P) industry's greatest minds from approximately 70 countries around the world. On September 27-29, SPE's flagship annual event will be right here at home! As the energy capital, Houston will host approximately 10,000 other SPE members and attendees at the George R. Brown Convention Center downtown. It is a great opportunity for our local and regional Gulf Coast Section members to host fellow SPE members.

"Even though it's a down year in the industry, we are so fortunate to have ATCE in Houston this year," says Janeen Judah, SPE 2017 president. "It is a great opportunity for local SPE members to meet and mingle with colleagues from all over the world, hear the latest papers, and see the latest technology and gear on the exhibit floor. With no travel expense and minimum time away from the office, there's no excuse not to come! There will also be opportunities for Gulf Coast Section (GCS) members to volunteer at the event."

ATCE covers the upstream aspects of global conventional and unconventional resources. Groundbreaking papers and special technical events that are featured are designed to accelerate the application of innovations in every technical discipline as well as provide information on industry best practices, training sessions, new product launches, and networking opportunities.

ATCE 2015 offers: 46 technical sessions, 34 training courses, SPE technical section events open to all attendees, extensive professional networking opportunities, young professional and student events and activities, and one of the largest technology exhibitions in the industry with nearly 400 exhibits and booths.

Do not miss this rare chance to be a part of SPE 2015 ATCE in Houston. There are many volunteer opportunities to get involved – just check www.spegcs.org. We look forward to seeing you there!

For a complete schedule of events and to register, go to: <http://www.spe.org/atce/2015/>.



EVENT INFO

MONDAY - WEDNESDAY

9.28 - 9.30.15

EVENT LOCATION

George R. Brown Convention Center

SPECIAL FEATURES

MONDAY 9.28.15

Sustainability
2:00 pm – 5:00 pm

Panel Session: Gas Scrubber Design and Validation for Robust Separation Duty
2:00 pm – 5:00 pm, Room 362A-C

ENGenious pavilion – During exhibit hours on Monday, September 28, presentations, demonstrations, and company tech talks will take place on the ATCE Exhibition floor.

TUESDAY 9.29.15

Projects, Facilities and Construction Sessions
Flow Assurance
2:00 pm – 5:00 pm, Room 330

Panel Session: Error Analysis and Uncertainty in Flow Assurance and Facility Design
8:30 am – 11:55 am, Room 352D-F

WEDNESDAY 9.30.15

Learn to Start your Own Business & Grow your Networking Skills
8:30 am – 11:55 am

New Technology
8:30 am – 11:55 am, Room 330

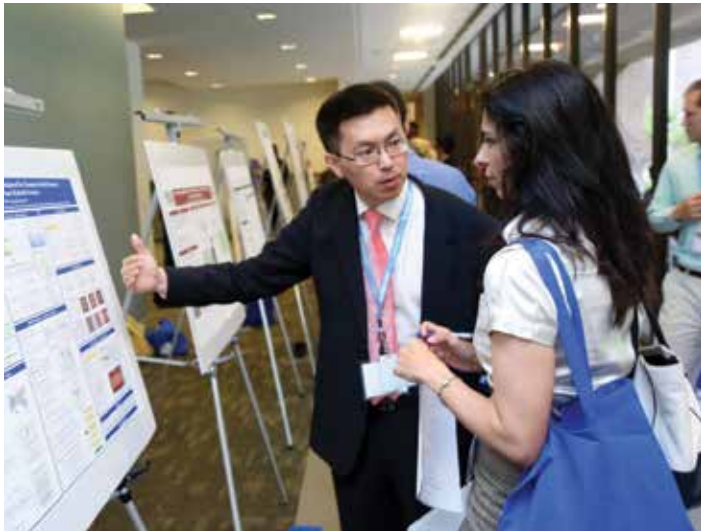
Field Experience
2:00 pm – 4:30 pm, Room 330

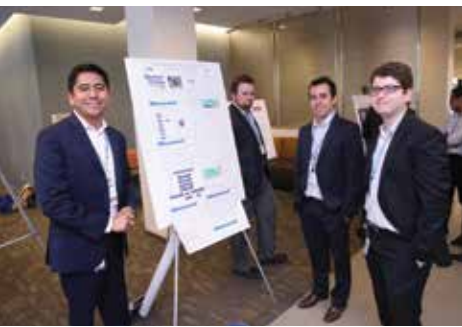
VARIOUS TIMES

How to Write a Good Paper

EVENT RECAP

The Emerging Engineers Conference (EEC) is an annual conference designed specifically for young professionals, which provides a forum to explore topics that will shape and develop their careers. This year, we had Janeen Judah as our keynote speaker, two panel sessions “The way forward when a barrel of oil is \$50,” and “Starting an oil and gas company when the price of oil is \$50”, and multiple breakout sessions. We had over 140 YP attendees.





These pictures are from the most recent YP volunteering event at The Beacon, a center offering facilities and services to Houston's underserved and homeless population. We helped out with some cleaning and maintenance jobs, and then served some lunch! We had a great time giving back to our community and getting to know more people from our industry. The next volunteering events at The Beacon are scheduled for September 13th and November 8th.



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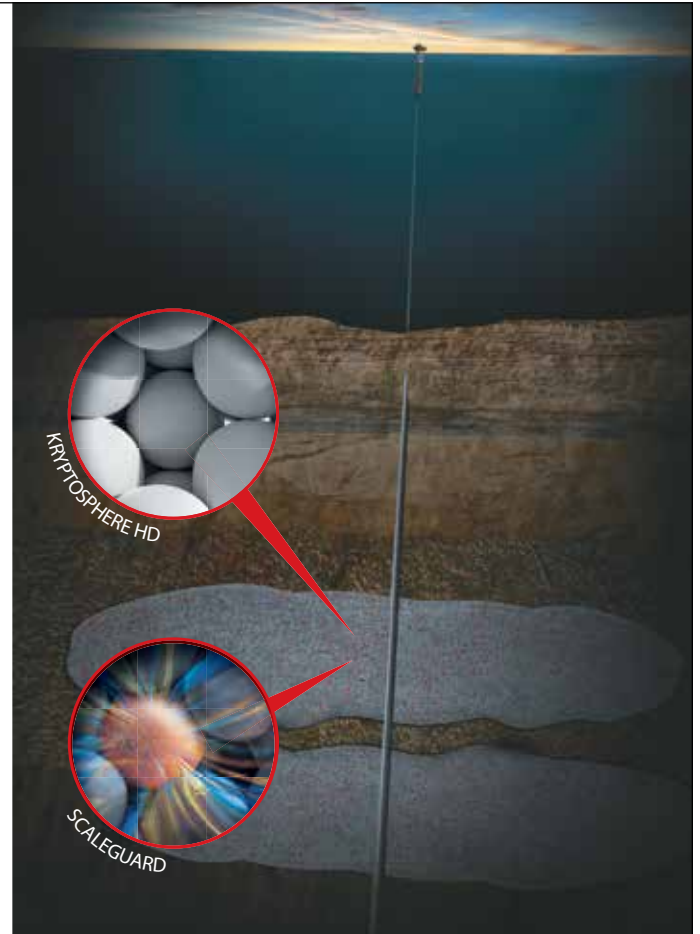
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SPE-GCS
STUDENT CHAPTER PAGE
TEXAS A&M WINS OUTSTANDING
STUDENT CHAPTER

TAMU-SPE

Howdy! It is with great excitement that I announce that our SPE student chapter at Texas A&M has continued our tradition of success as winners of the 2015 Outstanding Student Chapter award. This award is the highest honor a student chapter can receive, being given to the chapter best demonstrating exemplary effort in the areas of industry engagement, operations and planning, community involvement, professional development, and innovation.

The credit for this recognition belongs to all our members, directors, committees, and leadership, especially the 2014-2015 officer team:

Jennifer Wisler Stewart	President
Lindsay Kalberer	Vice President
John Mason Wleczyk	Treasurer
Ritthy Son	Secretary
Assiya Suleimenova	Graduate Representative

With this outstanding team, it is no surprise we brought the Outstanding Student Chapter award back to College Station.

TAMU-SPE has a long history with this award. The last time our chapter received Outstanding Student Chapter was in 2012, and this is the tenth time we have received it since its inception in 1995. I would also like to congratulate our branch campus student chapter at Texas A&M Qatar for taking home the Outstanding Student Chapter award in the Middle East, North Africa, and India region. Aggies are proving their dominance all around the world!

I am extremely proud of our chapter and our achievements this past year. With the changing energy market, we stayed on track and finished the year with over 100 events, more than we have ever had. We were fortunate to be able to receive sponsorship for all our events, while maintaining our "Net Zero" policy to ensure all events were completely funded by our sponsors.

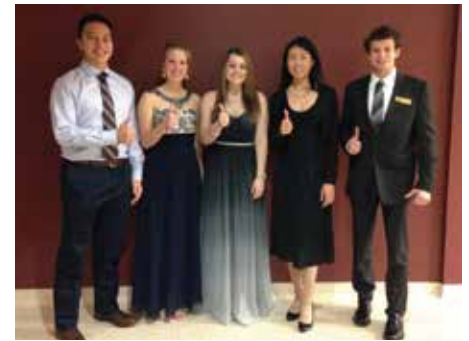
We have a challenging year ahead of us, but I have no doubt that we will adapt to the new environment and emerge even stronger. With another great team of dedicated leaders, we will continue to build upon our previous successes and continue to show the industry the quality of our students here at Texas A&M.

We will be receiving the Outstanding Student Chapter award at the Student Awards Luncheon at the SPE ATCE on Tuesday, September 29, 2015. We hope to see you there!

SHAWN GUICE | PRESIDENT

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YOUR GUIDE TO YOUR ORGANIZATION LEADERS

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We are looking for member photos to feature on the cover of upcoming issues! Photos must be at least 9" by 12" at 300 DPI. Email your high resolution picture submissions to:
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September CALENDAR

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
			1	2	3 Research & Development	4
	6	7	8 HSSE-SR/International Petro-Tech	9 Drilling	10 General Meeting	11 Auxiliary
13 YP Community Outreach	14	15 Northside	16 Westside	17 Reservoir Board of Directors Meeting	18	19
20	21	22	23 Business Development	24	25	26 Community Service
27	28	29	30 Completions & Production			