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Do you have a mentor? Are you a mentor? A mentor is someone who imparts wisdom and shares knowledge with a less experienced colleague, guiding, training, and giving advice along the way. This is not something new; it goes all the way back to Homer’s *The Odyssey*, where Mentor was a friend of Odysseus and looked after his sons and his palace when Odysseus left for the Trojan War.

Mentoring in the Middle Ages took the form of apprenticeships, where future artisans and craftsmen were provided room and board and on-the-job training until they could attain a level of skill on par with their masters, at which point they set off on their own to hang out a shingle in the marketplace.

Today, SPE has an official eMentoring program, and members can sign up to be a mentor or be matched up with a mentor—or both! Because this is done electronically via email, participants can communicate across generations, borders, and time zones. The time period for this eMentoring relationship is only one year, but you can request an extension for another year. After exchanging resumes to get acquainted initially, you can agree to communicate weekly or monthly, whatever works for both of you. You can talk by phone, Skype, text or email—or all of the above.

To register, visit http://www.spe.org/ementoring/.

I have had the opportunity to mentor a young lady in Benin, which gave me an opportunity to practice my French, and I’ve also talked via Skype with a young man on board a drilling rig offshore Nigeria. These experiences not only helped point these students in the right direction to accomplish their goals, but it also got me outside my comfort zone so that I could grow and develop, too. It’s a win-win experience.

One of my mentees was Andrea Hersey, former Chair of the Young Professionals Board here in the Gulf Coast Section. I got the chance to see her grow from a BS degree to an M. Eng. degree from A&M, from an entry-level chemist to a manager, and from a cautious mediator into a confident leader. Andrea felt she could call me or email me anytime to ask for my two cents—and she always got a heck of a deal! Even though our official “term” is over, we still do lunch occasionally, and she even invited me to her wedding—a Great Gatsby theme! It has been a real pleasure to help her reach for the next rung on the career ladder. And Andrea has also reached out as mentor to other young professionals and college students, showing them the well-worn path to success.

On November 18, the Permian Basin Study Group will be inviting high school students to attend their luncheon. This would be an excellent opportunity to point some youngsters in the right direction to become future coworkers and SPE members. The speaker will be Fred Dupriest, retired Chief Drilling Engineer from ExxonMobil, and his topic is “What We Need from This Generation and Steps to Help Them Achieve It.” Seven Lakes High School will be bringing members of its newly formed Petroleum Club to that study group luncheon. I hope that more study groups in our Section will invite high school and college students to their luncheons—or at least check the box for $10 student pricing when entering the event info on our website. This is an excellent way to mentor students eager to find out more about what we do for a living.

I encourage every SPE member to adopt somebody, take that person under your wing, and mentor him or her. Managers can mentor future managers; experienced professionals (XPs) can mentor young professionals (YPs); YPs can mentor college students; college students can mentor high school students. Imagine if all 17,039 of the SPE members in the local 29-county area had a personal apprentice and helped that mentee climb the career ladder faster... We wouldn’t even have to worry about the Big Crew Change!

“A mentor is someone who allows you to see the hope inside yourself.”
- Oprah Winfrey

Love, Jeanne
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BOARD OF DIRECTORS MEETING
THURSDAY NOVEMBER 13TH / 7:30 AM TO 10:30 AM

Location SPE HOUSTON OFFICE
10777 Westheimer Rd., Suite 1075, Houston, TX 77042

Event Contact SHARON HARRIS
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his month the SPE Gulf Coast Section wishes to acknowledge the efforts of Julia P. Clarke, PE and active volunteer on the Membership Committee, who has helped organize several events for our Section.

The first was the Membership Extravaganza held at Lucky Strike on August 28, 2014, which had 21 paid attendees. Julia garnered a $1,000 sponsorship from her company, Fugro Consultants Inc. (Fugro), for the event and made all the food and beverage arrangements with the venue.

The second was the Wear Something Pink networking event supporting Breast Cancer Awareness Month at the Downtown Club Houston Center on October 9, 2014. Julia organized the wine tasting and hors d’oeuvres and garnered two sponsors for this joint event with the Society of Women Engineers – Houston Area Section.

The third event that Julia helped out with is the upcoming Poker Tournament, to be held at the HESS Club on March 28, 2015. As a member of the HESS Club, Julia was able to make arrangements for the buffet and cash bar and get member prices for our Section. She also worked with the HESS Club to arrange two Texas Hold ‘Em tables and a craps table and a blackjack table for this scholarship fundraiser. Mark your calendars for this Oil Barons themed poker tournament – the first of what we hope to be an annual event.

In her day job, Julia is a Senior Project Professional at Fugro, acting as Lead Geotechnical Project Engineer on highway improvement projects. She mentors engineers in training on Fugro’s commercial and infrastructure project team. While working, she has published technical papers in several American Society of Civil Engineers (ASCE) conference proceedings and in the *Applied Clay Science Journal*. Julia earned a BS in civil engineering (magna cum laude!) from the University of South Florida and an MS in civil engineering from Purdue University.

She is a registered professional engineer in the State of Texas and is also a member of the American Society of Civil Engineers, the Society of Women Engineers, and the National Society of Black Engineers. In addition, she is a volunteer of the Houston Area Urban League by speaking to children on Saturdays at Engineering Day Conferences and an usher on Sundays at her local church, The Church without Walls.
Shortly after the virtual collapse of the planned Seadock Texas offshore oil port project, the corresponding LOOP offshore oil port project off Grand Isle, Louisiana, receives licensing approval from state and federal officials, and the five surviving partners of the project (Marathon, Texaco, Shell, Ashland, and Murphy) begin awarding construction contracts.

With domestic oil production only supplying one-sixth of domestic requirements, Petrobras reports plans to undertake shale oil and coal gasification projects.

French interests, with Elf-Aquitaine in the lead, launch a novel pilot scheme offshore Gabon in which they will dispense with conventional offshore platforms in favor of installing the necessary production equipment at the seabed directly on the wells. They project that deep offshore production of hydrocarbons, on this basis, will become practical within the next 10 years.

What was the highest priced oil company stock in late 1977? Would you believe Getty Oil? Remember the idiosyncratic oil magnate/world-class art collector J. Paul Getty?

With OPEC at least temporarily Kuwait-less, thanks to Iraq’s invasion, the 30th anniversary of OPEC sees one member on the ropes and two outsiders inquiring about joining the cartel. (Would you believe the Russian Federation and Trinidad and Tobago?)

With the turmoil in the Middle East, Africa’s budding oil giant, Nigeria, is thrust into multinational oil players’ future plans, with Shell leading the rush with a $6.5 billion five-year investment plan in the country’s oil future.

Meanwhile up north, the French and Indians are at it again, with the Mohawk Indian tribes squaring off against the Quebec provincial authorities over rights to potentially oil-productive land. (Believe it or not, it all got started over a dispute regarding land rights associated with a planned golf course.)

U.S. coal production hits an all-time record high, with the top producers being Wyoming, Kentucky, and West Virginia.

Light sweet crude oil - $31.53/bbl; Natural gas - $4.85/MMbtu; U.S. active rig count – 1,039

With some leading international producers contemplating adopting the euro as their currency of choice for pricing oil contracts, the U.S. dollar is in a very precarious position.

At a maritime defense convention in Singapore, national defense ministers are warned of the threat of maritime terrorist attacks in the form of armed pirates. Concern is voiced over the possibility that these terrorists could even turn a supertanker into a massive floating bomb.

Asia’s sustained energy demand has highlighted the growing discrepancy between China’s growing thirst for oil vs. eastern and southeastern Asia’s preference for cleaner natural gas.

Total starts up its Matterhorn deepwater Gulf of Mexico tension leg platform project incorporating state-of-the-art smart-well and completion diagnostic technologies.

Light sweet crude oil - $31.53/bbl; Natural gas - $4.85/MMbtu; U.S. active rig count – 1,111

In 1943, Henry Ford II came to work at the family business. He was Edsel’s oldest son and he had a cold-blooded streak that his father lacked. Henry Sr. immediately perceived the young man as a major threat to his control, and struggled to hang on to power. The senior Ford was now often absentminded, and the Ford family—including wife Clara—finally took action to ease him out. He retired in 1945 to his Dearborn estate, Fair Lane, and died there on April 7, 1947, at the age of 83.

Henry Ford changed the world as much as any business pioneer who ever lived. He did not invent the automobile, but he put it at the very center of our lives, permanently changing the American landscape and substantially shaping the future of the oil industry. Will Rogers said of Ford, “It will take a hundred years to tell whether he helped us or hurt us, but he certainly didn’t leave us where he found us.”
Next month we begin a look back at the life and times of the third in our series on the great American industrialists at the turn of the 20th century: industrialist Andrew Carnegie.

**THEN & NOW NOVEMBER QUIZ**

Name the first American multi-millionaire and the first American billionaire.

**ANSWER TO OCTOBER’S QUIZ**

The world’s first trunk oil pipeline was completed in 1874 and ran from what was known as the “Oil Region” of western Pennsylvania and adjacent New York, Ohio, and West Virginia to Pittsburgh. For the first year of its operation, the greatest hindrance to its success was the Pennsylvania Railroad, which refused to let the pipeline cross its right-of-way, thus forcing terminals to be built on both sides of the tracks and the oil to be transported across the tracks in tank wagons on a public highway.

**SEPTEMBER’S WINNER**

Eugene Kim with Talos Energy

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

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RESEARCH & DEVELOPMENT

Innovation in the Oil Patch: Everyone Talks About it, but is Anyone Doing it?

Now that Innovation is the buzz word du jour in corporate America once again, it may be time to review just what constitutes real innovation, what are best practices and what are simply delusions. Short-sighted innovation strategy has plagued many organizations, and Mike will discuss what that looks like from his perspective. Mike will discuss his experiences innovating in the oil patch and how it compares to other market segments that he has experience with across the globe. Mike will provide his thoughts on Stage-Gate®, open innovation, skunk works, entrepreneurial efforts, disruptive technology innovation groups, as well as other innovation practices.

MIKE RAINONE

Mike Rainone has been involved in innovation for 30+ years, from consumer products to medical products to the oil patch. As a cognitive/organizational psychologist and an expert on innovation, he has watched the “innovation” movement since his days teaching graduate studies in the School of Business at the University of Texas at San Antonio. Rainone is founder and Chief Innovation Officer of PCDworks, Inc., a full-service science and technology development firm housed on an 80-acre campus in East Texas. He is a nationally recognized innovator and award-winning writer and blogger. Mike has built a reputation for “cracking the code” on complex technology challenges encountered on the path to disruptive new technologies. Mike has spoken at a number of innovation venues around the world as well as SPE Well Integrity Forum and at Cameron’s Annual Technology Forum for the last two years.

EVENT INFO

Thursday
11.06.14
11:30 AM TO 1:00 PM

SPEAKER
Mike Rainone
Founder & Chief Innovation Officer
PCDworks

LOCATION
Norris Conference Center
Westchase
9990 Richmond Avenue
Suite 102
Houston TX 77042

EVENT CONTACT
Skip Davis
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When time is money, Wellsite Geoscience is money well spent.

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Eric Tudor, P.E., has over 28 years of experience in the oil and gas service sector, primarily in well stimulation services. He possesses a Bachelor of Science in Chemical Engineering from the University of Calgary, is a member of the Association of Professional Engineers, Geologists & Geophysicists of Alberta (APEGGA), as well as the Society of Petroleum Engineers (SPE). Currently he serves as Advisor, Cooperate Engineering for GASFRAC Energy Services Inc. and has been with the company since 2007. Prior to GASFRAC, Eric worked for the well stimulation companies of BJ Services Company Canada and Canadian Fracmaster within their technical and operational groups. Eric is currently an industry committee member of the Canadian Enform Industry Recommend Practices Committees for the IRP-4 Well Testing and IRP-24 Hydraulic Fracturing. Eric has been involved in preparing and presenting two SPE papers on the topic of the application of 100% Gelled LPG Fracturing system.

GASFRAC’s proprietary waterless LPG (liquefied petroleum gas) stimulation process utilizes gelled LPG in place of conventional frac fluids. The LPG is primarily propane and butane, C3H8 and C4H10, naturally occurring hydrocarbons that are non-damaging to the formation. The LPG stimulation process has very significant benefits for both operator and environment.

Environmental benefits begin with not using water, and the process is also free of biocides and carcinogens. This eliminates post-job wastewater streams, cleanup or inadequate recycling attempts. In an ideal scenario, it is possible to flow back, recapture, recycle and reuse the propane from the stimulated well, thus creating optimal environmental and economic benefits for the operator. In addition, the process of recapturing and recycling of the propane reduces or eliminates the environmental concerns of flaring.

This process also increases production rates or well performance of the stimulated well. Compared to water, the LPG properties of density, viscosity, surface tension, and complete solubility in formation hydrocarbons are highly beneficial to the process of optimizing the well production performance. Efficient recovery of the LPG, rapid cleanup, no phase trapping, and LPG properties allow for extended shut-in times without detriment. The ability to immediately recover 100% of the fracturing fluid is a precursor to creating a much longer effective fracture length that results in increased production rates or increased well performance as compared to conventional water fracturing systems.

**LPG Stimulation Process in Place of Conventional Fracking Fluids**

---

**ERIC TUDOR**

**EVENT INFO**

**Tuesday 11.11.14**

12:00 PM TO 1:00 PM

**SPEAKER**

Eric Tudor

Advisor, Cooperate Engineering

GASFRAC Energy Services Inc.

**LOCATION**

Greenspoint Club - Oak Room

16925 Northchase Dr.

Houston, Texas 77060

**EVENT CONTACT**

Sumitra Mukhopadhyay

281-784-5742

smukhopadhyay@superiorenergy.com

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Andy Brehn graduated from Marietta College in 2000 with a BS in Petroleum Engineering and a minor in Economics. Since graduating, he has held various drilling positions with GeoMechanics International, Hess Corporation, Occidental Petroleum Corporation, and finally Anadarko Petroleum Corporation. Andy joined Anadarko in 2011 and currently works as a Drilling Engineering Supervisor in Anadarko’s Southern Region. He is also the acting Drilling Operations Manager for the Eaglebine Development project. While Andy’s current work is focused on domestic unconventional drilling, he has considerable drilling experience offshore and on international projects. Furthermore, through his work with GeoMechanics International, Andy has published multiple SPE papers on wellbore stability as it pertains to well planning and real-time drilling operations.
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Refracturing: Why, When and When Not To

Refracturing can be a useful tool to improve production from shale wells and conventional reservoirs at a fraction of the cost of drilling and completing a new well, but what are the indicators that another fracture will be successful and what are the red flags?

GEORGE E. KING

George E. King is a registered professional engineer with over 43 years of oil and gas industry experience since joining Amoco Research Center in 1971. His technical work has provided advances in fracturing and well construction risk analysis, underbalanced perforating, sand control reliability, and unconventional formations. Currently, he is working with new technologies for the oil and gas industry. He holds degrees in Chemistry from Oklahoma State University, as well as Chemical Engineering and Petroleum Engineering from the University of Tulsa, where he also taught completions and workovers for 11 years at night as an adjunct professor. He has written 70 technical papers and was awarded the 2004 SPE Production Operations Award and the 2012 Engineer of the Year award from the Houston Region of the Texas Society of Professional Engineers. He is Apache’s Distinguished Engineering Advisor. He lives in Katy, Texas. One of his hobbies is rebuilding vintage Ford Mustangs.
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Resource Development, Market Dynamics and Potential Demand

DR. GÜRÇAN GÜLEN

Dr. Gürcan Gülén has been a Senior Energy Economist at the Center for Energy Economics (CEE) Bureau of Economic Geology at the University of Texas at Austin since June 2005. His areas of expertise are the economics of oil and gas value chains, electricity sector restructuring, and energy policy and regulation.

At CEE, he is a manager of the gas-power linkages research area, including integration of renewables, impact of energy regulations, and fluctuations in natural gas prices. He is also involved in the assessment of economic potential in four shale gas plays for a project funded by the Alfred P. Sloan Foundation and the evaluation of CO₂-EOR value chain economics for the Gulf Coast Carbon Center. He has also completed several major projects: Co-Principal Investigator of the 5-year, $3.5-million U.S. Agency for International Development (USAID) cooperative agreement on energy sector development, with a focus on West Africa; Principal Investigator for CEE’s subcontract with PA Consulting on USAID South Asia Energy Research Initiative-Energy; Principal Investigator for the partnership with Centro de Estudos e Investigação Científica at the Universidade Católica de Angola.

From 2002 to 2005, he was a Researcher at the Institute for Energy Law and Enterprise, University Law Center. He was a Researcher at the Energy Institute, Bauer College of Business, University of Houston from 1997 to 2002. During 2000, he was a Scholar in Residence at Duke Energy International, Houston.

He is active in several industry energy economic groups, has written numerous technical articles, and has written or co-authored several books and pamphlets.

He has a B.A. in Economics from the Bosphorus University, Istanbul, Turkey in 1990 and a Ph.D. in Economics from Boston College in 1996.
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Unconventional Resources Require Unconventional Analysis Techniques

Rate Transient Analysis (RTA) has become very popular over the past decade as a theoretically robust, yet very practical tool for well performance evaluation, making use of continuously measured production rates and flowing pressures which are collected as part of good production practices. With the advent of unconventional resource plays (particularly shale gas and liquids-rich shale plays), these RTA techniques have evolved significantly, adapting to much greater reservoir and completion complexity and accommodating the availability of much richer and varied datasets.

In light of these recent developments, it is easy to become lost in the details when trying to analyze unconventional reservoirs, particularly when one considers the complexities of flow behavior, pressure-dependent reservoir properties, HP/HT phase behavior, and the challenges of the well completion geometry. This presentation describes how and why RTA techniques evolved as they have over the years, starting with relatively simple conventional (high permeability) reservoir systems and progressing to the complexity of fractured, ultra-low permeability systems. Techniques specific to unconventional reservoirs are presented — and their strengths, limitations, and applications are discussed. These techniques are demonstrated using real field production data.

**DAVID ANDERSON**

David Anderson is a product manager with IHS. He has led the development of IHS/Fekete’s F.A.S.T. RTA™ software, and has become a recognized expert in the area of production analysis. Dave has authored numerous technical papers on the subject, for which he has been awarded two “Best Presented Paper” awards from the Petroleum Society. He also received SPE’s Outstanding Young Professional Award for the Rocky Mountain Region in 2008. Dave has lectured and presented industry courses worldwide on production analysis. He served on the SPE Calgary Section board during 2005-07 and currently serves on SPE’s Reservoir Description and Dynamics Advisory Committee.
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PERMIAN BASIN

What We Need From This Generation, and Steps to Help Them Achieve It

The next generation has arrived, and they’ve been here for several years. From a generational perspective, they are also becoming set in their ways. It’s a good time for companies to take an objective look at the engineering philosophies and workflows they’re learning, and whether these will serve the company and the employee over the long term. The next generation is now displacing mid-level management and they will institutionalize the way of thinking they bring to management for years to come. If changes are needed, they should be made now, and they must be made near the bottom of the organization.

Because of the high level of activity, most companies have been focused on developing early competencies, and by doing this, the industry is succeeding in getting the work done. But are we also succeeding at instilling the technical knowledge, effective engineering philosophies, and performance management perspectives that will serve the employee and employer over the long term? We’ll discuss how those challenges are likely to change over time, the potential impact on business models, and some key principles and workflows that may help an employer to enhance the next generation’s capabilities in these areas.

FRED DUPRIEST

Fred Dupriest retired in 2012 as ExxonMobil’s Chief Drilling Engineer after 35 years in drilling operations. He currently teaches as a Professor of Engineering Practices at Texas A&M University. He joined Exxon after graduating from A&M with a BS in Mechanical Engineering in 1977. Fred has 20 SPE publications on new drilling practices, ranging from the use of Mechanical Specific Energy in real time surveillance, Fracture Closure Stress practices for building integrity, the operational use of Hydrostatic Packers, stuck pipe avoidance practices, and the Fast Drill™ and Limiter Redesign™ workflows. Fred is an inductee in the AADE Drilling Fluids Hall of Fame, and the recipient of the 2012 SPE Drilling Engineering Award.

Since the big crew change began, Fred has been involved in the creation of strategies to develop competency in young engineers, and to teach new practices to experienced engineers and rig supervisors. He delivered up to 400 classroom hours per year of training himself prior to retirement. As a Professor at Texas A&M, he continues to take every opportunity to teach, and help the next generation get ready to work.
# A Better Way to Frac

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<table>
<thead>
<tr>
<th>Feature</th>
<th>MM 200</th>
<th>Slickwater FR</th>
<th>Guar</th>
<th>MM 301</th>
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<tr>
<td>Drag Reduction Dose$^{(1)}$</td>
<td>&lt;0.2 gpt$^{(2)}$</td>
<td>0.6 gpt</td>
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<tr>
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<td>Divalent/TDS$^{(4)}$</td>
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<tr>
<td>Crosslinkable$^{(5)}$</td>
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<td>Yes</td>
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<tr>
<td>Temperature Stability</td>
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<td>275 F</td>
<td>200 F</td>
<td>300 F</td>
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<td>Return Flow</td>
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<td>Excellent</td>
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<td>Shale Stability</td>
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<tr>
<td>Other Chemicals$^{(5)}$</td>
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<td>None Required</td>
<td>Multiple</td>
<td>None Required</td>
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<tr>
<td>Truckload Lead Time</td>
<td>Immediate</td>
<td>60 days</td>
<td>Immediate</td>
<td>Immediate</td>
</tr>
</tbody>
</table>

1. Dose at 67+ percent drag reduction; 2. Instantaneous drag reduction 40% better than standard FR's at one-third the dosage; 3. 100% for guar as reference value; 4. Including salts, acids, bases, crosslinker, shale stabilizers, etc.- excellent for coil; 5. Any breaker except sodium bromate.

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Facility Operability: Designing Operable Facilities

The oil and gas industry has been designing and constructing facilities for decades, and they have all been started up and operated successfully. Why do we need to pay special attention to “Facility Operability?”

The truth is that facility start-ups have been less than efficient and have resulted in months of delay before reaching nameplate-rated performance. When planned and executed correctly, a comprehensive Facility Operability program should not result in added facility costs or delayed project schedule. The term “Facility Operability” means the ability of an organization to operate a facility in a safe and efficient manner. Although this goal is usually achieved, there always seem to be things that could have gone better, been designed better, or been designed safer. These troubles can sometimes lead to major problems or major events. In aggregate, they can be very costly. A proactive Facility Operability system is intended to prevent various types of facility operation issues throughout the life of the facility.

In this presentation, the speaker will highlight the most important issues with regard to “Facility Operability” based on the experiences and learnings of almost 10 years of working with these issues.

BILL CAPDEVIELLE

Bill Capdevielle is an oil and gas consultant with 39 years of experience. He received a BS in Petroleum Engineering from the University of Southwestern Louisiana in 1971, and a MS in Systems Management from the University of Southern California in 1975. He has diverse experience in the upstream oil and gas industry. His experience includes various technical, management, and operations assignments. Bill served as an Offshore Installation Manager for Mobil North Sea and has spent the last 10 years working in the Facility Operability area. He retired from Mobil in 2000, and from Hess in April of this year to start his own technology innovation consulting firm. Bill specializes in finding nanotechnologies used in other industries and applying them to the upstream oil and gas industry. He also offers consulting in field development planning, facility operability and project support. Bill is a Registered Professional Engineer in Texas and Louisiana. He is a member of the National Society of Professional Engineering, the Texas Professional Engineering Society, and the Society of Petroleum Engineers.
Risk Management of Water Issues in the Oil Field

Discussion will focus on risks inherent with managing the spectrum of water issues in the oilfield and potential mitigating solutions. Supply side: logistics, contracts and pricing, regulatory, availability/drought. Produced side: Environmental, logistics, cost control / pricing and regulatory.

KERRY HARPOLE
Kerry Harpole graduated with a Bachelor of Science in Chemical Engineering from the University of Texas at Austin and received her MBA with a focus on finance from the Jones School at Rice University. Kerry has worked in a variety of industries including refining, chemical production, electricity and finance. She currently manages all aspects of water for Marathon’s Eagle Ford asset. She is the chair of TXOCA water committee and co-chair for the STEER water committee.
The ongoing American shale gas revolution has sparked a construction boom as the petrochemical industry looks to take advantage of the inexpensive feed stock. Chemical companies have committed billions to projects in the Gulf Coast and the Marcellus Shale regions.

For Barbara Shook, these industry developments are reminiscent of another U.S. petrochemical boom. She recalls the furious construction of the early 1950’s, when bountiful NGL from the East Texas Oil Field and rulings made by the Texas Railroad Commission to limit the flaring of casinghead gas spurred the growth of new petrochemical plants in Texas.

At this International Study Group Luncheon, Barbara will share her memories from the nascent of the Texas petrochemical industry, compare those early days to the recent developments, and discuss the impact the U.S. petrochemical boom will have on the global industry.

Barbara Shook is senior reporter-at-large at Energy Intelligence, having served for many years as Houston Bureau Chief. She reports on issues pertaining to global natural gas, including shale gas, LNG and natural gas-to-liquids conversion, as well as OPEC and corporate energy news. Prior to joining Energy Intelligence, she spent more than two decades reporting on energy for Petroleum Management, the Houston Chronicle, Natural Gas Intelligence, and Gas Daily.

In her lengthy career reporting on the Energy Industry, Barbara has received many awards for her journalism, including the Texas Railroad Commission’s Billy G. Thompson Award as the outstanding energy journalist in Texas, the Award of Journalism Excellence from the International Association for Energy Economics, and the Frank Frazer Award for Journalism Excellence from the Offshore Technology Conference.

Barbara is a former director of the Society of Professional Journalists Texas Gulf Coast Chapter, and holds a degree in Journalism from the University of Houston.
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Gastar Exploration – An Expanding Product (and Profit) Turnaround Story

Join us at the Four Seasons Hotel as Russell Porter updates us on Gastar’s recent transformation. Gastar has transformed from a company with 100% natural gas production in 2010, to one that receives over 70% of its revenues from liquids and possesses a solid portfolio offering one of the most attractive oil and gas investment opportunities in the US. This change was driven by management vision, disciplined leasing, opportunistic property acquisitions and operational execution. Mr. Porter will review the latest events around Gastar’s position in Appalachia, both within the core Marcellus and its top notch rocks of the Utica / Point Pleasant formations. He will also fill us in on one of the most interesting organic growth stories in the MidContinent targeting the Hunton Limestone, a formation, together with the Woodford Shale and the Meramec, that currently receiving a renewed focus due to its strong liquids-driven results.

J. RUSSELL PORTER

J. Russell Porter has been a member of Gastar’s Board and served as its President and Chief Executive Officer since February 2004. From August 2006 until January 2010, he also served as Chairman of the Board. From September 2000 to February 2004 he was the Chief Operating Officer of the company. Mr. Porter has an energy-focused background, with approximately 19 years of natural gas and oil exploration and production experience, and five years of banking and investment experience specializing in the energy sector. From April 1994 to September 2000, Mr. Porter served as an Executive Vice President of Forcenergy, Inc., a publicly traded exploration and production company, where he was responsible for the acquisition and financing of the majority of its assets across the United States and Australia. He currently is a director of Caza Oil & Gas, Inc., a publicly traded exploration and development company listed on the Toronto Stock Exchange and the London AIM exchange. He also is a member of the Board of Directors of Petrel Energy Ltd., a publicly traded Australian based E&P company with assets in Uruguay and Spain. Mr. Porter holds a Bachelor of Science degree in Petroleum Land Management from Louisiana State University and a MBA from the Kenan-Flagler School of Business at the University of North Carolina at Chapel Hill.

EVENT INFO

Wednesday
12.03.14
5:00 PM TO 7:00 PM

SPEAKER
J. Russell Porter
President and Chief Executive Officer
Gastar Exploration

LOCATION
Four Seasons Hotel
1300 Lamar
Houston, Texas 77010

EVENT CONTACT
Matt Bormann
281-345-8019
mbormann@wwtco.co

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Sustaining the
Trans-Alaska Pipeline –
A Systems Engineering Perspective

Please join the Technology Transfer Committee for a luncheon and feature presentation. The presentation will examine the application of Systems Engineering principles to the current and future sustainment of the Trans-Alaska Pipeline System.

This luncheon presentation will discuss the current and future sustainment capability of the Trans-Alaska Pipeline System from a Systems Engineering (SE) perspective. The SE approach considers the Pipeline system from a broader perspective, taking into account the crude-oil pipeline, pump stations, feeder pipelines, maintenance systems, and the environment. The architecture of the pipeline system, its subsystem components and their relationships and dependencies are examined with the objective of facilitating understanding of the problems and solutions. End-of-life issues and transition to alternative uses of the pipeline are also addressed.

This study addresses three components: 1) analysis of technologies needed to meet the lower flow requirements to maintain pipeline efficient operation, 2) development of a reference model and process for guiding the selection of cost effective technologies, and 3) development of a transition roadmap for alternative uses and re-uses of the Pipeline to address end-of-life decommissioning.

CLAUDIA ROSE is a Certified Enterprise Architect with over 20 years of industry experience. She participates in professional associations and in the field, serving on boards of directors including The Association of Enterprise Architects (chapter president), INCOSE San Diego (past president), NDIA small business forum, AUVSI and the La Jolla Cove Swim Club. She is the 2012 winner of the San Diego National Association of Women Business Owners Signature Award.

EVENT INFO

TUESDAY
11.04
11:30 AM TO 2:30 PM

SPEAKER
Claudia Rose
President
BBII

CONTACT
Carol Piovesan
cpiovesan@apooffshore.com

LOCATION
Sullivan’s Steakhouse
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2015-2016 SPE-GCS Scholarship

Available to students who maintain a GPA of 3.0 or higher and are majoring in petroleum engineering, geology, or related discipline. Note: non-petroleum engineer or geology majors who complete an internship with a company in the Oil & Gas industry are also eligible.

Requirements:
• Currently reside in Houston OR 29-county Gulf Coast area
• Enroll in an engineering or science program at a university in the Fall
• Currently be a high school senior
• Minimum SAT score of 1650
• Be a U. S. citizen
• Completely fill out the scholarship form and turn in by deadline
• High school transcripts
• Activities, awards and honors
• SAT and/or ACT score
• Professional Reference letters
• Financial need (if applicable, not required)
• Short essay (approx. 500 words)

Process:
• Scholarship committee reviews each application
• Selected applicants are interviewed in the second round (04.15)
• After the interviews, the scholarship committee meets and collectively decides the 2015-16 scholarship recipients (05.15)

DETAILS

Renewable yearly scholarship ($2,000/semester, $4,000/academic year) up to 4 years

DEADLINE
02.13.15

APPLICATION & QUESTIONS

Application & Questions

INSTRUCTIONS
http://spegcs.org/scholarshipapplication-instructions

NOTE

Each 2015-16 first-time scholarship recipient may be eligible for a summer internship with an oil & gas company depending on availability.

Committee: Scholarship

Committee: Auxiliary

FRIDAY
11.14

EVENT INFO

LOCATION
Peli Peli
South African Fusion
Vintage Park, Louetta @ 249

DEADLINE
11.14

COST
$30

CONTACT
Evelyn Earlougher
281-419-1328
eearlougher@comcast.net

NOTE

Each 2015-16 first-time scholarship recipient may be eligible for a summer internship with an oil & gas company depending on availability.

Book Club

EVENT INFO

WEDNESDAY
11.19

10:30 AM

BOOK
All the Light We Cannot See by Anthony Doerr

PLACE
Carol Ann Gold

LEADER
Nancy Giffhorn
Optimize well productivity with uniform filter cake removal

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Every year college students prepare to enter the workforce and become the next generation to lead our industry. With this focus in mind, the SPE Student Chapter at Texas A&M University hosts the annual Career Enhancement Event (CEE), providing a platform to match company needs with talented students looking for internships or full-time jobs.

This year’s CEE was held on September 6th, 2014 at Texas A&M campus, and hosted 98 recruiters from 28 oil and gas companies and over 550 SPE student members from petroleum engineering and related disciplines. The event created great interest among students; SPE statistics show chapter membership increased by approximately 400 members in a period of two weeks prior to the meeting. The CEE was a resounding success, and it will be difficult to top it next year, but we will certainly do our very best in 2015.
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We want to thank everyone who attended the past Social Networking event, making it a huge success! Special thanks goes to the Young Professional Committee for hosting, and Unimin Energy Solutions for their generous sponsorship. Attending the next SPE-GCS event? Please send us your wonderful photos to be featured in the Connect! Photos should be submitted to the Connect editor at editor@spegcs.org by the 25th of every month.

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**How to Leverage LinkedIn**

**TUESDAY 11.20**

5:30 pm to 8:00 pm

**LOCATION TBD**

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Contact: Nii Ahele Nunoo | 507-304-5416 | nii.nunoo@nov.com
Gulf Coast Section Officers – 2014–2015

CHAIR
Jeanned Perdue, Occidental
713-215-7348
jeanne_perdue@oxy.com

VICE CHAIR
Ivor Ellul, RPS Knowledge Reservoir
713-595-5100
iellul@knowledge-reservoir.com

SECRETARY
Sunil Lakshminarayanan, Occidental
713-344-1249
sunil.lakshminarayanan@gmail.com

TREASURER
Lucy King, Miller & Lents
713-308-0343
lking@millerrandle.com

VICE TREASURER
Alex McCoy, Occidental
713-366-5653
alexander_mccoy@oxy.com

CAREER MANAGEMENT
Patty Davis, PetroSkills
832-426-1203
patty.davis@petroskills.com

COMMUNICATIONS
Subash Kannan, Anadarko
832-636-7679
subash.kannan@anarkdo.com

COMMUNITY SERVICES
Amy Timmons, Weatherford
713-836-6563
amy.timmons@weatherford.com

EDUCATION
Gabrielle Guerre, Ryder Scott
713-750-5491
gabrielle_guerre@ryderscott.com

MEMBERSHIP
Xuan VandeBerg
832-444-5143
stem.fields@gmail.com

PAST CHAIR
Mike Stratham, Trinity Group
713-614-6227
mike-stratham@att.net

PROGRAMS
David Tumino, Murphy Oil
281-717-5123
tuminospe@hal-pc.org

SOCIAL ACTIVITIES
Jim Sheridan, Baker Hughes
281-432-9209
Jim.sheridan@bakerhughes.com

TECHNOLOGY TRANSFER
Carol Piovesan, APO Offshore
281-282-9291
cpiovesan@apooffshore.com

YOUNG PROFESSIONALS
Pavitra Timbalia, ExxonMobil
832-624-0505
pavitra.a.timbalia@exxonmobil.com

DIRECTORS 2013-15
Trey Shaffer, ERM
832-209-8790
trey.shaffer@erm.com

John Lee, Univ. of Houston
713-743-4877
wjlee3@uh.edu

Deepak Gala, Shell
281-544-2181
deeak.gala@shell.com

DIRECTORS 2014-16
Jenny Cronlund, BP Exploration
281-366-8966
jenny.cronlund@bp.com

Torrance Haggerty, Battelle Memorial Inst.
713-260-9640
haggertyt@battelle.org

Eric Kocian, ExxonMobil
832-624-7962
eric.m.kocian@exxonmobil.com

SPE GULF COAST NORTH
AMERICA REGIONAL DIRECTOR
Bryant Mueller, Halliburton
281-818-5522
bryant.mueller@halliburton.com

Committee Chairs
AWARDS
Jeremy Viscomi,
Petroleum Technology Transfer Council
785-864-7396
jviscomi@pttc.org

CONTINUING EDUCATION
Nii Ahele Nunoo, NOV
507-304 5416
Nii.Nunoo@nov.com

ESP WORKSHOP
Noel Putscher, Newfield
281-674-2871
nputscher@newfield.com

GOLF CO-CHAIRS
Cameron Conway, KB Machine
281-217-0660
ccowey@kb-machine.com

INTERNSHIPS
Gabrielle Guerre, Ryder Scott
713-750-5491
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NEWSLETTER
John Jackson, Unimin Energy
832-247-0233
jsjackson@unimin.com

SCHOLARSHIP
Tanhee Galindo, Catalyst Oilfield Services
832-693-9010
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SPE-GCS CONNECT
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DIRECTORY
YOUR GUIDE TO YOUR ORGANIZATION LEADERS

34 November, 2014
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**11.2014 CALENDAR**

**SOCIETY OF PETROLEUM ENGINEERS GULF COAST SECTION**

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