CHAIR’S CORNER

DR. IVOR ELLUL
2015 - 2016 SPE-GCS Chair

Houston, we have kick-off!

The SPE Gulf Coast Section 2015 – 2016 year officially kicked off on Friday August 21st at the Houston Westchase Hilton. And a rousing kick-off it was, too. We had record attendance of over 170 participating in a plenary session where we rolled out our review of the past year and plans for the coming year. This was followed by break-out sessions targeted at Treasury, Programs, Communications, and last but certainly not least, Volunteering.

As I shared in the plenary session and you can see from the chart below, we have come out of a challenging year in which we struggled to hit our financial targets. And as we are all aware, the year ahead looks to be equally challenging. Therefore, we have established a plan to deliver break-even results.

And how, one might ask, do we plan to do that in the current business environment? Well, we have several irons in the fire, and you will be hearing more about these as they launch during the course of the year. One that holds great promise is a Fundraising Drive led by our Sponsorship Chair, John Vozniak. We are offering three tiers of sponsorship – Platinum ($50,000), Gold ($30,000), and Silver ($15,000). Each of these tiers comes with a number of ways in which the donor organizations will be recognized. These will range from name recognition on the cover of Connect, to complimentary attendance at study group meetings, among a host of other things. A full set of details relating to the Fundraising Drive is provided on page 32 of this newsletter.

As with all organizations, a new year comes with the setting of objectives and goals whether one operates for profit or not. The GCS Board approved our 2015 – 2016 goals and I will summarize the primary ones below:

1. We aim to maintain, and if possible, increase attendance at our Study Group meetings. We plan to do this by continuing to offer excellent topics that are relevant and add value within the current environment.
2. We are launching a series of one-day introductory tutorials for the benefit of anyone who is thinking of involving themselves in a different discipline within Petroleum Engineering. The topics include Well Testing, Nodal Analysis, Flow Assurance, Reservoir Simulation, Artificial Lift, and Managed Pressure Drilling. We have presenters who have agreed to conduct these tutorials on a pro-bono basis – a true example of volunteerism.
3. With the oil and gas environment in Mexico becoming increasingly active and interesting, we are looking to hold a technical event jointly with the Mexico SPE Section.
4. We have set an objective to maintain the number and overall dollar figure of scholarships that we awarded in 2014 – 2015.
5. We will hold a joint event between our Project Facilities and Construction Study Group and the SPE Flow Assurance Technology Section.
6. We plan to grow OilSim and Casino Night—two exciting new networking events that we launched this past year.
7. We hope to emulate the fabulously successful Executive Breakfast that we held last year.
8. We will initiate the port of our website SPEGCS.org to a framework hosted by SPE International. This will result in substantial economic and collaboration benefits.
9. We are launching an initiative aimed at enhancing our presence within the industry and in the media. This will take advantage of current social media trends and technology.
10. Deploying a successful Fundraising Drive, as discussed above, is clearly one of our objectives.
11. We plan to deliver a break-even year. Each of the above goals has a name (or two) associated with it, and as you can see, we are in for an active year. But, as they say, if you need something done, give it to someone who is busy!

I would like to close by recognizing all the hard work that takes place behind the scenes in each and every sector of the Gulf Coast Section. Considering that all volunteers have a day job, it is impressive to see everything that gets accomplished and with such efficiency. One must also not forget to mention the superb management and guidance provided by Kathy MacLennan, Sharon Harris, and team, a true dynamo of an organization.

All the best!

GCS ENERGY TICKER

DJIA

WTI PRICE

US PRODUCTION

RIG COUNT
October

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BOARD OF DIRECTORS MEETING

THURSDAY, OCTOBER 15TH / 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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SPE-GCS MEMBERSHIP REPORT
August 2015

TOTAL SPE-GCS MEMBERSHIPS

- STUDENTS UNPAID: 342
- STUDENTS PAID: 2,017
- PROFESSIONALS UNPAID: 2,970
- PROFESSIONALS PAID: 15,885

84.4% PAID

PAID MEMBERSHIPS TRENDS

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PAID TOTALS

- Professional: 18,855
- Students: 2,359
- HCC: 197
- Rice: 102
- Texas A&M: 1,415
- UH: 586
- Unassigned: 59

CURRENT TOTALS

- Current: 21,214
- Last month: 21,314
- Last year: 20,317

DON’T MISS OUT RENEW YOUR DUES TODAY!

This month the SPE Gulf Coast Section is pleased to recognize Rini Assad as the volunteer of the month. She served as the 2014-2015 SPE-GCS YP Communication Chair, providing support with the monthly newsletter, eNewsletter, social media, website maintenance, YP App, Executive Club, and Company Champions.

Rini has been employed with Scientific Drilling since 2012 as their Marketing Projects & Multimedia Manager, where she leads the company’s most challenging and strategic product & service commercial launches, company website, social media strategy & implementation, targeted advertising, and marketing collateral development. She also leads a team of creative professionals who transform sales & marketing strategies into an engaging visual solution on a global scale. Her team focuses on delivering both quality and quantity with an emphasis on brand identity, design, layout, and usability. Before her time with Scientific Drilling, Rini was employed for five years at National Oilwell Varco, working in both their Rig and Downhole Divisions. Rini holds a BFA in Media Arts and Animation from the Art Institute of Houston.

“ The world is hugged by the faithful arms of volunteers.”

Thank you, Rini!

Petroleum Engineering
Enhanced Oil Recovery
Project Management
Profitability Analysis
Reservoir Simulation

Dr. J Roger Hille
Inwood Solutions, LLC
(713) 385-5343
het@inwood-solutions.com
Service providers are busily preparing advertising copy describing their contributions to the drilling of the E.J. Miley #6 well, which is being touted as the world’s deepest well. It was located in Athens (no, not Athens, Texas, but Athens, California).

Here’s one from the “old adage” archives… “A poor workman blames his tools.” That sounds to me like a typo that became an old adage.

The International Petroleum Exhibition and Congress holds its annual meeting in Tulsa, and some of the intriguing activities planned include the selection of this year’s “Queen Petrolia” (Miss Ramona Marcella Trees is this year’s winner) and a meeting of the Order of the “Knights of the Derrick” (sounds Masonic related to me).

The debate rages on…Are those new-fangled galvanized steel derricks truly more cost-effective over the life of the derrick than the old-faithful wooden derricks? Apparently the drilling crews are becoming enamored by the steel units because of the fire hazards and continual layoffs from repair downtime associated with the conventional wooden units.

“River-Fracs,” employing river sand and untreated San Juan River water, are proving to be an effective fracturing fluid for gas wells in the “Four Corners” area and are reportedly saving operators up to $4,200 per gas well completion.

The API is sponsoring an hour-long nationwide television program picturing what life will be like 21 years down the road due in part to contributions by the oil industry. Every technical marvel of the future will be presented as top-quality entertainment by such stars as Dave Garroway, Sid Caesar, Nanette Fabray, Wally Cox, and Arlene Francis. (Maybe some of you old hands know who these people are.)

The East Texas field turns 25 and is still pouring out 220,000 bbl of oil a day. This colossus of American oil fields has produced 3.2 billion bbl of oil to-date and is expected to top 6 billion bbl by the year 2030.

A second producing formation only 40 ft below the 4,906 ft discovery sand is reported in Israel’s first oil well.

East Texas crude oil - $2.90/bbl; U.S. active rig count - 2,753

Activity is picking up in China, as Atlantic Richfield, Santa Fe International, and China National Offshore Oil sign an agreement to develop the giant Yacheng gas field, while Bohai Petroleum and Japan’s Chengbei Oil Development Corp. begin production from the Chengbei field in the Bohai Sea.

The House of Representatives inserts an amendment in a budget bill that would require all offshore rigs and platforms—except those used off Alaska—to be constructed in the U.S.

Shell reports plans for a new generation of semisubmersibles for use in the Gulf of Mexico. The new semisubmersibles will ultimately be outfitted to operate in 6,000 ft water depths.

London’s International Petroleum Exchange will begin trading a Brent blend crude oil futures contract by the end of the year.

U.S. active rig count – 1,906

THE REST OF THE YARN

This month the “fat cats” at the turn of the 20th century weigh in on the free enterprise system.

President McKinley’s lack of concern over the monopolization frenzy was just fine with men like John D. Rockefeller. “The day of combination is here to stay,” he once said. “Individualism is gone. Never to return.” He hadn’t reckoned on Teddy Roosevelt. Five months into his presidency, TR took Wall Street by surprise. He launched an antitrust suit that demanded the breakup of Northern Securities, a holding company organized to consolidate three railroads in the Pacific Northwest. By targeting that company, Roosevelt had also chosen to move against the man who epitomized the empire of money, New York financier J. Pierpont Morgan.

Beefy, saturnine and phenomenally wealthy, with a plump red nose caused not by drink but by the skin disease rhinophyma, Morgan held immense power over the U.S. economy. In a day when there was no Federal Reserve to control the money supply or adjust interest rates, he operated at times as a one-man central bank. By withdrawing his approval from a shaky deal, he could cause a panic. By pouring millions into tottering banks, he could end one. He did more than assemble capital for new ventures. He took over mismanaged companies, installed his own men and supervised operations. As he exercised his unchallenged powers, he could not abide interference.
His biographer Jean Strouse has cast doubt on whether he actually spoke the words that have been attributed to him: “I owe the public nothing.” But if he didn’t say them, he should have. As a summary of his outlook, those words could hardly have been topped.

Like Rockefeller and Andrew Carnegie, Morgan believed in free enterprise but had seen enough of unbridled competition. For much of his career, he had assembled financing for the railways whose stupendous growth had revolutionized the U.S. after the Civil War. Boom and bust, desperate price cutting, collapsed enterprises—the bumpy realities of the railroad business left Morgan with a horror of economic disorder. As he viewed it, profits required stability. Stability required concentration. Concentration means trusts.

Next month, TR takes on J.P. Morgan.

**THEN & NOW**

**OCTOBER QUIZ**

The foremost source of oil in the Texas Panhandle circa 1925 was what formation?

**ANSWER TO SEPTEMBER’S QUIZ**

The quickest identifier of an engineering student on college campuses circa 1955 was dangling from the student’s belt in a leather case, the precursor to today’s computer—a slide rule.

**CONGRATULATIONS TO MAY’S WINNER**

Gilberto Barcenas

If you would like to participate in this month’s quiz, e-mail your answer to contest@spe.org by noon October 15. The winner, who will be chosen randomly from all correct answers, will receive a $50 gift card to a nice restaurant.
You want to optimize your completion and production (C&P) processes and increase the value of your reservoir. We get that. We can help you do that too.

Our decades of field-proven experience push traditional boundaries. This experience reproduces success and helps avoid costly mistakes. Our Total Systems Approach to your C&P challenges also includes meticulous planning and the efficient implementation of the world’s most reliable technologies—specifically designed to improve access to reserves, maximize production, and increase your ultimate recovery.

Call us or visit BakerHughes.com/GoM-pushtheboundaries and learn how our Total Systems Approach pushes the boundaries of what was previously thought possible.
Entrepreneurs Investing in Small Technology Companies

Our core purpose at Surge is to enable entrepreneurs to solve the world’s energy problems. We do this by providing entrepreneurs access to world-class (and world-leading) experts, the largest customers in our industry (that also serve as our investors and partners), the global energy ecosystem, and a variety of capital sources. Our partners include Shell, ExxonMobil, Saudi Aramco and others. Hossein will provide insights on how Surge works with small technology companies and how this approach can help further your team’s new product and technology agenda.

DR. HOSSEIN ROKHSARI

Dr. Hossein Rokhsari is the Managing Director of SURGE Ventures, a technology investment firm based in Houston. SURGE enables entrepreneurs to solve the world’s energy problems by finding, investing in, and accelerating the growth of early stage technology companies. Since 2013, Hossein has led 20+ investments in areas such as seismic interpretation, offshore automation, down-hole data analysis, oilfield water management, and mobile oil field technologies. Prior to SURGE, Hossein spent 8 years at McKinsey & Company, in the Energy and Oil & Gas practice, advising CEOs and executives of Fortune 100 companies, private equity investors and sovereign wealth funds in North America, Europe, Middle East and Southeast Asia.

Prior to McKinsey, Hossein received his PhD in applied physics from the California Institute of Technology. At Caltech, his research focused on building micron-sized devices on semiconductor chips and replacing electronic signal processing by manipulation of laser light from fiber optics. His discovery resulted in observation of mechanical vibrations induced by laser for the first time and opened a fast growing field in experimental physics that could allow detection of the gravitational waves predicted by Einstein in 1916.

Hossein grew up in a family of artists and managed an art gallery during his college years. This inspired him to be an active member of the Houston Arts Alliance. Over the last few years, Hossein has advised art organizations in Houston including Musiqa, a contemporary music group, and Gulf Coast Literary Journal.
The Value of Facility Engineers

Engineering projects in oil and gas facilities are becoming increasingly complicated with more specialized discipline silos. While many of the business and project management evaluations say that all designs should be holistic, most are in fact optimized to a discipline or even component basis.

Project performance is getting worse, yet we have much better tools in every aspect. Simulation, modeling, design, scheduling, and document management are just a sampling of the tools we have at our disposal.

While the focus has been primarily on project management skills and approaches, a broad technical understanding of all engineering disciplines is just as important. This presentation will discuss developing facility engineers into an engineering management role to complement and support the project manager for a successful project.

JAMES R. DEAVER

James R. Deaver, PE is an Engineering Advisor at Oil Field Development Engineering, LLC with more than 30 years of industry experience. He has worked for both operators and engineering contractors in discipline engineering, engineering management, and project management roles. Project experiences include onshore, shallow and deepwater offshore, domestic and international. He has a BS in Petroleum Engineering from Texas A&M.
Taking Stock of Water Management in 2015

This presentation will offer an overview of the complexity of low-cost treatment of oil and gas water and technical challenges. It will also explore a volumetric and spending review of current water management practices, and where those systems are strained, including sourcing, transportation, storage, treatment, and disposal. We will present a case study approach to assessing common treatment methods along with a discussion of what works cost effectively. The presentation will also offer a discussion of downturn impacts on water management programs and the changes we should anticipate over the next 18 months.

LAURA CAPPER

CAP Resources is a Houston-based oil and gas and technology consultancy that specializes in market assessment, strategy development for emerging market opportunities, technology commercialization, operations planning, due diligence / transaction support services, and aggressive growth strategies. As president, Laura Capper brings 25 years of experience for public and private companies including integrated oil and gas companies, oilfield service companies, technology transfer offices, and private equity and venture capital firms. CAP Resources has serviced over 600 clients and contributed to the development of over $3 billion in value associated with new venture launches and mergers, acquisitions and investment activity. A primary focus of the firm has been matters related to unconventional exploration and production trends and practices, water management and treatment technologies, mobile field data collection and guidance systems, and environmental and waste handling practices in the oilfield. CAP Resources has authored a series of in-depth reports tracking the state of water management and investment opportunities in U.S. and world unconventional shale plays.
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How to Avoid Project Train Wrecks

This presentation will take a data driven and experiential approach as to why projects fail. Key drivers for project failures and their root causes will be addressed. Best practices to support project success based on real world examples will be presented.

This presentation includes lots of anecdotes or “Company XYZ” examples that make for an interesting experience.

As a project management consultant, Pete Luan has reviewed hundreds of projects and in excess of $100B in capital expenditures. He has interviewed and worked with approximately 3000 project team members and senior management associated with these projects. This presentation is the result of this body of work.

PETE LUAN

With over 30 years of project and risk management, organization transformation, and consulting experience, Pete Luan guides his worldwide clients into improving organization and project performance. Serving as a trusted advisor to top executives, he not only helps companies improve their project predictability and performance, he also leads changes to achieve those goals. Some of his clients include Chevron, BP, Conoco Phillips, Chevron-Phillips Chemical, Talisman, Oceaneering, Maersk Oil, Marathon, Addax, Kosmos, Anadarko, Noble Energy, and TNK-BP.

Prior to building his consulting business, Pete managed world leading upstream and chemicals manufacturing projects across the globe for BP for 20 years. Before joining BP, he was a Captain in the US Army.

Pete has leveraged his experience as a project management instructor for a noted firm in the E&P space. He has authored numerous SPE articles and developed courses on project and risk management best practices. Pete holds BS and MS degrees in mechanical engineering from Rice University and has completed the Executive Program at Harvard Business School. He is PMP certified and a previous member of the National Speakers Association.

EVENT INFO

Thursday
10.8.15
11:30 AM – 1:00 PM

SPEAKER
Pete Luan
President
Pete Luan & Associates, LLC

LOCATION
Petroleum Club of Houston
1201 Louisiana Street, 35th Floor
Houston, TX 77042

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

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PETROPHYSICS THAT PAYS OFF
The Emergence of Advanced Simulation Technologies in the Upstream

Access to energy remains a key enabler for growth and prosperity in the world economy. The sources and supplies of energy have evolved over the last 150 years, yet hydrocarbons such as coal, crude oil, and natural gas continue to fuel world industrialization. ExxonMobil has been a leader in the exploration, development and production of hydrocarbons, in part due to long-standing commitments to R&D and a strong technology portfolio.

Advanced simulation technologies, such as finite element analysis (FEA) and computational fluid dynamics (CFD), have progressively played an increasing role in the success of the energy industry, much like it evolved in the aerospace and automotive industries a decade or so ago. Never have the technical changes in the oil and gas sector been more prevalent and ambitious than in the last 30 years, changes that include worldwide utilization of horizontal well drilling and hydraulic fracturing; the emergence of long-distance liquefied natural gas (LNG) transport; and the monetization of previously inaccessible hydrocarbons in deepwater, the arctic, and from unconventional resources in an environmentally friendly manner.

ExxonMobil was an early adopter of FEA software shortly after its availability to the industry in the late 1970s and rapidly became a significant user to complement its existing technology portfolio. ExxonMobil also moved into CFD software as it became commercially available. This presentation reflects on a three-decade long journey that highlights some of the technical achievements and increasing contributions of advanced simulation technologies within the upstream oil & gas industry.

TED A. LONG

Dr. Ted A. Long is a Subsurface Engineer for the ExxonMobil Upstream Research Company in Houston, Texas, and is the Well Modeling Advisor providing support to upstream reservoir, drilling, and completions groups. In addition to championing the application of computational fluid dynamics to new areas, he has worked in a variety of technical areas in R&D with ExxonMobil including water injection, sand control, fracture modeling, downhole sensing, and well/completion modeling. Prior to joining ExxonMobil, Ted worked in turbulent mixing layers, nuclear safety analysis and control valve design. Ted received BS, MS, and PhD degrees in Mechanical Engineering from the University of Arizona and received 17 patents during his 24-year career.
Tech Talk: State of the Employment Address

When it seems the “Not Hiring” sign is in the window of almost every business, or the corporate ladder seems very steep, you must plan how to play up your strengths skillfully and intentionally. Your resume, your communication skills, your appearance, and even the avenues you use to connect with other people all speak something about who you are. Maybe you’re just looking to advance your career or land a new promotion. You are always meeting people who can help your career; they are watching you, your attitude, and your actions. The best thing we can all do is seek out the opportunities and meet the challenges to get what we want. Join us for a conversation about marketing YOU for your current or future job. Everything you are and can be should be everything your dream employer wants!

CHERYL COLLARINI

Cheryl Collarini holds a bachelor’s degree in civil engineering from M.I.T. and an MBA from the University of New Orleans. She began her career with Mobil Oil as a civil engineer, operations engineer, development projects engineer, and reservoir engineering supervisor. She formed Collarini Engineering Inc. in 1985 to conduct independent reserve appraisals and field studies. One of her long-term clients, Mobil then ExxonMobil, engaged her to teach Petroleum Investment Decisions for over 18 years, including authoring the requisite manuals. In 1995, she founded Collarini Energy Staffing to provide technical staff to customers on-site, placing upstream professionals, temporary and fulltime, in positions all over the world. In 2003, she accepted a partnership in Explore Enterprises LLC and served as VP of Engineering. In 2005, she returned to Collarini Energy Staffing as Chair after a successful sale of the Explore Enterprises assets and started Etroa Resources LLC in 2008, another exploration and production company located in Covington, LA. Having recently left Etroa, her current roles are Chairman of Collarini Energy Staffing and Manager and owner of DGC Energy, which consults in petroleum engineering and invests in oil and gas projects.
Setting Up Controls and Safety Systems from an Overall View

With the advent of cheap computing power, computer-controlled safety and operating systems in the form of Programmable Logic Controllers (PLCs) have moved to the forefront of upstream facility control systems. The technology is developing so quickly that dedicated specialists are required simply to stay abreast of the latest equipment and to implement the newest capabilities.

While these dedicated specialists are able to bring the latest enhancements to the project, their laser-like focus on technology often leads to including features just because they’re available. As a result, there has been somewhat of a role reversal from the traditional facility configuration responsibilities.

The facility engineer (the generalist) is now often tasked with finding a way to incorporate this newest technology into his facility design instead of making the technology supportive of the optimum process/production/layout configuration. A prime example of this is when a dedicated air-conditioned “Process/Control” building is required in order to house the computer(s), multiple work stations, and redundant power supplies are needed to support the state-of-the-art systems.

It is incumbent on the facility engineer (the generalist) to ensure that the optimum facility configuration remains the primary consideration, and that complex control and safety systems are included only to the extent necessary for safe and reliable operation. This presentation will discuss the role of the facility engineer in leading the development of the control and safety systems, and will provide some examples of simple, safe and reliable systems that also communicate essential information to the operators and maintenance staff.

LEW SKAUG

Lew Skaug is a principal engineering consultant at OFD Engineering in Houston, TX. He holds a bachelor’s degree in engineering from Harvey Mudd College in Claremont, CA, and has worked in the upstream segment of the oil and gas industry for more than 40 years. He has lived and worked in New Orleans, Houston, London, and Kuwait while doing production facility design, project engineering and project management, as well as preventive maintenance and operations planning. He has a strong background in centrifugal machinery, including gas turbines, compressors, and generators.

SPE-GCS REGISTRATION LINK: http://www.spegcs.org/events/2015/10/projects-facilities-construction/
In April 2010, the Macondo blowout in the U.S. Gulf of Mexico killed 11 men, burned and sank the Deepwater Horizon drilling rig, and devastated the Gulf. Investigative authorities queried mechanical systems, operating decisions, corporate cultures, safety procedures, and testimony by survivors, academics, experts, and executives. Meanwhile, industry personnel need succinct, non-litigious, technical answers to fundamental questions about the cause of the blowout for application to future projects. Such answers define the specific mechanics, actions, and decisions on the rig that collectively opened a pathway into a cased-and-cemented deepwater wellbore and allowed hydrocarbons to flow unobserved from a high pressure reservoir to eventually erupt over the derrick and continue even after the blowout preventers were closed.

To unravel the cause of the blowout, data during the well’s final hours are assessed and defined using petroleum-engineering fundamentals, including wellbore mechanics, hydrodynamics, inflow performance, fluid properties, well-control principles, etc. The data analysis reveals a fateful chain of events: forming an annulus-to-wellbore leak, exacerbating the leak, testing and declaring the well secure, causing the well to flow, and allowing the well to flow until too late, even for the blowout preventers. The technical assessment leads to conclusions that define those factors that contributed to the blowout, as well as those that caused it.

From the presentation, SPE members and a wider audience from across the industry and beyond will see by example the necessity and importance of applying petroleum engineering and process management fundamentals to day-to-day drilling work, in real time, both in the office and on the rig. From the Macondo assessment, a process-interruption protocol is defined, which can be applied to wells around the world, whether deep or shallow, onshore or offshore.
The design effort for an oil & gas facility project is a critical period in the facility operability process. Critical design activities will usually occur in three of the stages in the lifecycle of a major capital project: pre-FEED, FEED, and EPC. Having operability & maintainability as design criteria is critical to the creation of a viable business asset.

The pre-FEED stage should see the development of an operating philosophy and a corresponding basis of design for the asset. These will likely not be 100% complete at the end of this stage. However, a bulk of the effort will likely take place and these documents should be approximately 75% complete at the end of the pre-FEED stage.

The FEED stage is perhaps the most critical stage for operability & maintainability. This stage presents the opportunity for designers of the facility and the designers of the operations organization to optimize the business value of the asset by ensuring the design truly meets the economic goals set by the company. This will enable the evaluation of trade-offs between capital expense and operating expense in the design.

During detail design, having engineering and operations work closely together will ensure that the facilities can be operated in a safe and efficient manner. This presentation will discuss some of the various processes and activities to help ensure facilities that are both operable and maintainable.

**BILLY CAPDEVIELLE**

Bill Capdevielle is an oil & gas consultant with 40 years of experience. He earned a BS in petroleum engineering from the University of Southwestern Louisiana in 1971, and an MS in systems management from University of Southern California in 1975.

Bill has diverse experience in the upstream oil & gas industry. His experience includes various technical, management, and operations assignments. Bill served as an offshore installation manager for Mobil North Sea and spent the last 10 years working in the facility operability area.

He retired from Mobil in 2000, and from Hess in 2014. Bill specializes in finding nanotechnologies used in other industries and applying them to the upstream oil & gas industry. He sits on the Board of Advisors for a start-up nanotechnology company, Magna Imperio Systems, and offers consulting in field development planning, facility operability, and project support.

A registered PE in Texas and Louisiana, Bill holds memberships in the National Society of Professional Engineering, the Texas Professional Engineering Society, and the Society of Petroleum Engineers.

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Optimizing Completions in Horizontal Wells

Are unconventional reservoirs different than reservoirs we have worked with in the past? Do the created fractures propagate differently? Are the equations that govern production different than in conventional reservoirs? This presentation will focus on how unconventional reservoirs are just an extension of the same reservoirs we have completed using hydraulic fracturing over the past 67 years.

Yes, there are differences. Yes, the treatment optimization process is more complicated. It has been complicated by the fact that now we have both a fracture treatment optimization and a well density challenge involved in the completion of a single well.

This presentation will discuss the optimization process for horizontal wellbores, the geometry of created fractures in horizontal wells, and the fallacy of IP as an optimization parameter. The economic process of optimizing completions in unconventional horizontal wellbores will be presented. It will be demonstrated that this process can be performed in a timely manner, and the results from a few wells can lead to improved economics, efficient use of capital, and improved profitability.

**STEPHEN SCHUBARTH**

Stephen Schubarth is the president of Schubarth Inc., an oil and gas consulting company. He has been in the business of completing oil and gas wells for over 34 years. Steve has worked in numerous producing basins in the U.S. and internationally. He has worked for operators, pumping service companies, proppant manufacturers, and as a consultant along the way. He has authored/coauthored numerous SPE papers and technical articles, most of which pertained to the optimization of completions through the use of hydraulic fracturing. Steve has BS and MS degrees in petroleum engineering from Texas A&M.
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Petrophysicist

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F: (713) 583-9400
RBarba75@gmail.com

www.integrated-energy-services.com
Practical Aspects of Reservoir Management and Production Optimization

The goal of optimizing production and reservoir optimization is about increasing recovery efficiency and production rate while reducing operating expenses and capital expenditures in a prudent way. Improving reservoir description, surveillance and analysis, and optimizing production performance during any stage of the primary and IOR/EOR processes increase recovery efficiency.

Reservoir management (RM) is a comprehensive and integrated strategy for appraising, delineating, developing, producing, monitoring and optimizing recovery and production from a reservoir, and it is a key to achieving optimization. The formulation of a depletion or development plan is an integral part of RM. Although the process of RM is dynamic, the development plan is based on a solid foundation, and it is orchestrated judiciously considering: (a) reservoir description, (b) reservoir performance, (c) recovery methods employed – natural or improved (d) wells and facilities requirements, (e) environmental and safety considerations, and (f) economic and decision analysis.

Optimizing production rates and recovery efficiency simultaneously is becoming a new “mantra” in today’s world. More detailed understandings of reservoir characterization, EOR processes, selective injection and conformance control, reservoir physics, and designer wells are helping EOR to succeed in our industry.

GANESH THAKUR

Dr. Ganesh Thakur is currently the President and Global Advisor for Thakur Services, Inc. Until June 2014, he served as Vice President, Global Advisor and Fellow of Chevron Energy Technology Company. In this role, he provided technical advice and consultation on high impact offshore, onshore, heavy oil, and unconventional reservoirs. He is well known for the emergence of reservoir management (RM) —in particular waterflooding—as a key interdisciplinary practice. Dr. Thakur served as the 2012 President of Society of Petroleum Engineering (SPE) International. He is an SPE Distinguished Member, and has served as Technical Director – Reservoir for the Board of Directors, and SPE Distinguished Lecturer. Dr. Thakur has authored over 60 technical articles and presented over 250 lectures/short courses around the world. He earned a B.S. (Honors) degree with first rank in petroleum engineering from Indian School of Mines and MS and PhD degrees in petroleum and natural gas engineering plus an MA degree in mathematics from Pennsylvania State University. In addition, he earned an executive MBA degree from Houston Baptist University.

EVENT INFO

Thursday
10.22.15
11:30 AM – 1:00 PM

SPEAKER
Dr. Ganesh Thakur
President and Global Advisor
Thakur Services, Inc.
Reservoir Consulting

LOCATION
Sullivan’s Steakhouse
4608 Westheimer Rd.
Houston, TX 77027

EVENT CONTACT
Alexsandra Martinez
956-249-0994
adinorah.martinez@gmail.com

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To be successful today, facilities engineers must be multi-disciplined and collaborative, and must possess good leadership skills. These qualities are perfectly matched to the characteristics of the millennials who will be taking on the challenges of major projects in the years ahead.

Project performance, never good, has not improved over the past 30 years, in spite of huge investments in PM processes, tools and organizations. The "facilities engineer of tomorrow" can change all that. This interactive presentation will challenge the attendee to define this future as it applies to them, and to gain a vision of the skills they can develop to be prepared for the exciting challenges ahead.

**RICHARD (DICK) WESTNEY, PE, PMP**

Dick founded Westney Consulting Group in 1978 after having managed international exploration & production and refining & petrochemical projects for Exxon. A Houston-based international consulting firm, Westney Consulting Group works with owners and contractors on project risk management, strategic planning and improving organizational effectiveness.

Widely recognized as a thought leader in project and risk management, he is the author/co-author of five books, the most recent being *Risk Navigation Strategies for Major Projects – Beyond the Myth of Predictability*. He has served as visiting faculty for executive programs at the University of Texas, Texas A&M University, the University of Houston, Rice University, the Norwegian University of Science and Technology, and Moscow School of Management.

A popular speaker at major industry conferences, Dick currently serves on the Program Committee for the Global FPSO Conference, the Executive Advisory Board of the Engineering and Construction Contracting Association (ECC), the Program Committee for the Offshore Technology Conference (OTC), and on the Board of the Rice University Global Engineering & Construction Forum. A Fellow and Past-President of the Association for the Advancement of Cost Engineering (AACE International), he received AACE's highest honor, the Award of Merit.

A licensed professional engineer and certified project management professional, Dick is a graduate of the City College of New York (BS Engineering), Rensselaer Polytechnic Institute (MS Management Science), and Harvard Business School.

A Critical Reexamination of DFIT Interpretation Methods

In this presentation, a new method is introduced for interpreting diagnostic fracture injection test (DFIT) data. The method is based on results from a three-dimensional hydraulic fracturing simulator (CFRAC) that allows fractures to retain aperture after mechanical closure. After closure, an empirical, non-linear joint closure law is used to relate fracture aperture and stiffness to the effective normal stress. Fracture closure increases fracture stiffness, which, in low permeability formations, causes an increase in the pressure derivative. The resulting pressure signal in a G-function analysis plot has often been incorrectly attributed to fracture height recession or closing of secondary transverse fractures, leading to a misidentification of closure pressure. Based on simulation results, best practices are offered for estimating closure pressure, which are validated with a series of numerical simulations and field examples.

The implications are important for hydraulic fracture modeling. Using the new methodology, all historical DFIT data in a major unconventional play were reexamined and fracture closure pressure for interpretable tests needed to be adjusted upward by about 600 psi on average. This finding made necessary a reexamination of pressure-history-calibrated fracture models in which closure pressure was derived from the prior DFIT analysis. Yet the revised-upward in-situ stress greatly diminished or eliminated the need to aggressively invoke arbitrary adjustment parameters such as process zone stress in model calibration efforts.

In addition to the discussion on fracture closure, a system of DFIT consistency checks will be introduced to assess the reliability and robustness of interpreted reservoir stress (\(\alpha h\)), pore pressure (pi) and fluid transmissibility (\(kh/\mu\)). Field cases from various low permeability and unconventional reservoirs will be used to demonstrate key points.

DAVE CRAMER

Dave Cramer is a Senior Engineering Fellow on the ConocoPhillips Global Completions Engineering staff in Houston, TX. He has 38 years of experience in designing, executing and evaluating well stimulation treatments. Dave has authored 46 papers and is co-inventor of two US patents. Industry recognitions include the Henry Mattson Technical Achievement Award by the Denver SPE chapter in 1993 and the SPE International Completions Optimization and Technologies Award in 2011. He was an SPE Distinguished Lecturer from 2003-2004 and the SPE Region Director for the US and Canada Rocky Mountain region from 2004-2007. Dave is a registered Professional Engineer in Colorado.
Upstream Strategies for the Gulf of Mexico - 2015 and Beyond

WTI near $40, Marcellus/Utica able to supply half the planet, Western Lease Sale at an all-time low... yet the Gulf of Mexico (deepwater and shelf) is the place to be! Great success always springs from great challenges. Please join us for a moderated panel discussion by a top group of experts covering the opportunities, challenges, and strategies that will lead companies through to success in the GOM both today and for many years to come. Who are the companies that are positioning themselves for the future? What are the technical advancements that will be key to success? How will companies adapt operationally during these lean times to position themselves for post 2015? What are the current focus areas and risk management strategies?

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 and a half long program including a Q&A session, will begin at 5:00 pm in the mezzanine.

RON NEAL

Ron received his Bachelor’s in Zoology (1974) and Master’s in Geology (1977) from LSU. From 1977-1988 he worked for Amoco and Davis Petroleum. In March 1988, Ron and Billy Harrison co-founded Houston Energy, whose primary exploration focus is the deepwater Gulf of Mexico. Today, Houston Energy has 38 employees and is engaged in exploration through joint ventures it has created and manages, including three recent deepwater discoveries.

TIMOTHY S. DUNCAN

Tim Duncan is a founder of Talos Energy LLC, formed in March 2012, and initially funded by Apollo/Riverstone. Talos is engaged in the acquisition, exploration, development and production of properties along the Gulf Coast and GOM. Prior to Talos, Mr. Duncan was the Sr. VP BD of Phoenix Exploration and also worked in various positions for Gryphon Exploration, Amerada Hess, Zilkha, and Pennzoil. Mr. Duncan has a BS PE from Mississippi State and MBA from UH.

JACKSON SANDEEN

Jackson is a senior team member covering the US deepwater Gulf of Mexico upstream energy market for Wood Mackenzie, including oil and gas assets, E&P operators and regional trends. He has extensive experience with asset modelling and valuations for a variety of complex projects. Mr. Sandeen also works with the M&A team on farm-ins, portfolio divestments and corporate mergers.

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

FRIDAY

10.9.15

EVENT LOCATION
Steamboat House Restaurant
8045 North Sam Houston Parkway, West Houston, TX 77064
832-912-1845

PROGRAM
The October meeting will be another informal lunch with no program and separate checks. Join us and bring a friend! Let one of us know if you plan to come so we know how many places to reserve.

EVENT CONTACTS
Evelyn Earlougher 281-419-1328 eearlougher@comcast.net
Nancy Hill 281-435-1619 Nancyhill2444@sbcglobal.net
Energy Day 2015
SPE Gulf Coast Section will be exhibiting at Energy Day 2015 and we need representatives to volunteer!

Houston’s largest annual FREE family festival showcasing science, technology, engineering and mathematics (STEM), Energy Day has nearly 70 interactive demonstrations and exhibits teaching students and their families about the various forms of energy, science, technology, efficiency, conservation, and careers in the energy industry. The exciting exhibits and interactions with energy experts help spark students’ interest in science, technology, engineering and mathematics.

FOR MORE INFORMATION
www.energydayfestival.org

REGISTER TO VOLUNTEER
www.spegcs.org/events/register/2965/

Volunteering at the Playworks: Junior Coach Leadership Program Kickoff
Young Professionals are looking for 10-15 volunteers to help explain and facilitate teambuilding games with young students and their families at the Playworks Junior Coaches kickoff event.

Playworks recruits 4th and 5th graders from our partner schools who might otherwise be disruptive, shy or physically unsure to participate in the Junior Coach Leadership Program. Throughout the school year, Playworks’ school-based adult coaches mentor these students through after-school meetings and give them specific responsibilities during recess periods. The Junior Coaches help during their own recess as well as recess for younger students by ‘running point’ on games set up in the schoolyard. Play and sports introduce problems that need to be solved, providing Junior Coaches the opportunity to learn skills in cooperation, conflict resolution and appropriate communication. Playworks, along with its partner schools, has found that this peer leadership program improves self-esteem and communication skills, and provides students with the motivation to do well in class.

The kickoff event is Halloween-themed, and the students have been encouraged to explore their inner superhero by dressing up for the event! Volunteers will interact with the Junior Coaches and their families through the organized games, and will facilitate group discussions about your own superpowers, AKA leadership skills you use at work and in the community!

We will end the day with a trick or treat booth stocked with healthy snacks and prizes.

EVENT INFO
SATURDAY
10.17.15
10:45 AM - 4:00 PM

EVENT LOCATION
Sam Houston Park
1000 Bagby St.
Houston, TX 77002

EVENT CONTACT
Billie Rae Gillas
713-337-8801

EVENT INFO
SATURDAY
10.10.15
9:00 AM – 11:30 AM

EVENT LOCATION
Horn Elementary
10734 Bissonnet St.
Houston, TX 77099

EVENT CONTACT
Catalina Leal
832-729-5462
catalina.leal@bakerhughes.com

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OUTLINE
- Introduction/outline of the day
- The economics & future of the petroleum industry
- Theory of the origins of hydrocarbons
- Reservoir parameters (eg: porosity/permeability)
- Geology of petroleum & geophysics
- Drilling basics
- Well logging
- Well completions
- Reservoir drive mechanisms
- Production equipment (sub-surface & surface)
- Midstream & downstream topics

JOHN FARINA provides petroleum engineering consulting and technical training services to the international and domestic petroleum industry. He has over 30 years of experience in production and reservoir engineering. John has a BS in Petroleum Engineering from West Virginia University, and has previously worked for Shell Oil and Sneider and Merkel Associates.

RON HINN is a Vice President of PetroSkills, a worldwide leader in training and development of E&P Technical Professionals. He specializes in knowledge management, competency development and technical training. Ron has held various supervisory, consulting and engineering positions with Oxy, Altura Energy, Amoco and Mobil.

SUSAN HOWES is an Organizational Capability Consultant in the Reservoir Management department at Chevron, with prior assignments as a Reservoir Management Consultant, and as Manager of the Horizons Program. She is a Petroleum Engineering graduate of the University of Texas and is a Past President of the Chevron Women's Network.

KEN ARNOLD is a Senior Technical Advisor at WorleyParsons with 50 years of experience in projects, facilities and construction related to upstream oil and gas developments. He spent 16 years at Shell in engineering and engineering research management. Ken formed Paragon Engineering Services in 1980, which had a staff of 600 when it was acquired by AMEC in 2005.

MARTY STETZER leads EKT Interactive, Inc. in Houston, an e-training company specializing in design and delivery of large-scale customized safety and technical content training programs. His career includes 18 years of P&L experience with Schlumberger, Superior Oil-Mobil, Wilson Industries and Exxon in a variety of USA and international assignments.

DR. TERRY N. GARDNER is a mechanical engineer who spent over 35 years with Exxon and BP working to advance deepwater technology. He led research on deepwater riser VIV; development of a high-current Riser Centralizer System, which was installed in the GoM; development of one of the earliest TLPs, which was installed in the Norwegian North Sea; and numerous riser and production platform innovations for deepwater.

EVENT INFO

TUESDAY
10.20.15
8:30 AM – 5:30 PM
EVENT LOCATION
SPE Houston Training Center
10777 Westheimer Suite 1075
Houston, TX 77042
EVENT CONTACT
Sunil Lakshminarayanan
832-627-3470
PRICE
$350
Registration ends 10.19.15
No refunds one week prior to the event

SPEAKERS
John Farina
Ron Hinn
Susan Howes
Ken Arnold
Marty Stetzer
Dr. Terry N. Gardner
The 2015-2016 program year for SPE Gulf Coast Section (SPE-GCS) has started, and a new opportunity to sponsor the SPE-GCS is available this year!

Proceeds from sponsorships will benefit the SPE-GCS Scholarship Fund, which has awarded more than $3 million in scholarships since 1963 to local engineering students. Please consider investing in this important SPE-GCS program so that we can continue to support our aspiring oil and gas professionals.

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- A four-year SPE-GCS scholarship presented in your company name
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- SPE-GCS website advertisement (www.SPEGCS.org) – full year
- Verbal recognition of sponsorship at 2 key meetings (TBD)
- 3 gratis slots at two different study group meetings
- 1 speaking opportunity at a study group or SPE-GCS event (TBD)
- Sponsorship of Casino Night (4 tickets) or Oilfield Simulation competition (train 4 young professionals/1 team) and one team at the Tennis, Golf or Sporting Clays Tournament (1 team or 4 people)

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- Sponsorship of Casino Night (2 tickets) or Oilfield Simulation competition (train 4 young professionals/1 team)

**SPE-GCS SPONSORSHIP CONTACTS**
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**INFORMATION/REGISTRATION**
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The Career Cruise: Navigating Your Career in Unchartered Waters

Attend the “Career Cruise” and discover how to achieve your goals and maintain your values on a journey with no certain destination, unclear schedules, and hidden obstacles blocking your way.

The oil and gas industry is a tremendous global career opportunity for all that embark on a career with the right plan, flexible mindset, and a little “self-made” luck. With the recent downturn, possibly the first in many young professionals’ careers, are there some key insights and actions that will help you navigate the challenges successfully? The discussion will focus on:

• The transition from university and critical decisions in the first few years of your career.
• Balancing building depth vs breadth and trying to juggle dual careers and family responsibilities.
• Engineering talent, business acumen, people skills – how important and when?
• Career management – who owns it and what if my supervisor doesn’t care?
• Company culture, the challenges of fitting in, and keeping your individuality / values.

Kevin will offer his perspective using his personal career experiences to provide key principles and insight.

All professionals are welcome to attend this event.

KEVIN LACY

Mr. Lacy joined PetroSkills in September 2014 and is responsible for leading and building the PetroSkills technical staff organization into the petroleum industry’s leading source of technical subject matter expertise.

Mr. Lacy has spent nearly 35 years as a technical professional in the petroleum industry, serving in positions in the U.S. and around the world. Most recently, Mr. Lacy was Vice President for Global Drilling and Completions for Talisman. Prior to that role, from July 2006 until December 2009, he was Vice President for Gulf of Mexico Drilling and Completions for BP, and a head of the BP Drilling and Completions discipline. He was also Vice President, Global Drilling and Completions for Chevron. Mr. Lacy built his credentials and experience through holding a number of technical and business roles in Chevron’s international subsidiaries and in the US over a period of 26 years. He has a BS in Petroleum Engineering from the University of Tulsa, and a MBA from the University of California at Berkeley. In his professional career, he has traveled to over 55 countries, conducted business in 15 countries and lived on four different continents.
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- **Completion and Workovers – CAW:**
  November 30 - December 4

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Committee: Young Professionals

Rebuilding Together Houston

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

RT-H aims to help by constructing wheelchair ramps, installing handrails, installing doors with peepholes and security locks, and many other improvements that create an environment for the homeowner that is safe, warm, and dry.

RT-H needs volunteers of all experience levels to help with their Fall 2015 Home Repair Program, and the YP group will be leading teams for the October 17th and 24th session. We have had two productive Home Repair events over the past year, and we hope to continue that success. Come join us in a day of building, repairing, and giving back to the community!

Event Info

SATURDAY
10.17 & 10.24
7:30 AM – 5:00 PM

Event Contacts
Danny Marquez
danny.marquez@bhpbilliton.com
Catalina Leal
catalina.leal@bakerhughes.com
AJ Gundepalli
venkata.gundepalli@gmail.com

2016-17 SPE-GCS Scholarships

SPE-GCS scholarships are available to students who maintain a GPA of 3.0 or higher and are majoring in petroleum engineering, geology, or related discipline. Non-petroleum engineering or geology majors who complete an internship with a company in the Oil & Gas industry are also eligible.

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• Enroll in an engineering or science program at a university in the fall
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Visit the SPE Gulf Coast Section homepage and select the Scholarship Committee page for more details.
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**Success Rate**

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<th>Solutions Matrix</th>
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<tr>
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<tr>
<td>Integrity</td>
<td>Low to Medium</td>
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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!

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/
SPE-GCS YP hosted its annual Roughneck Camp at the University of Houston Hilton Hotel on July 23rd. The theme for this year was “Technology and Innovation: Navigating Low Oil Prices.” The conference attracted over 160 students, interns and early career professionals. RNC Co-Chair Mikhail Alekseenko notes that the conference was successful in helping attendees find ways of adding value either for their current or prospective employers and in giving concrete examples of how the industry has coped with downturns in the past. “Speakers, panelists, and volunteers are what made this event a fantastic opportunity for attendees to think outside the box and to get a fresh perspective on the low-price environment we are currently in,” Mikhail says.
SPE GCS YP hosted its annual Emerging Engineers Conference at Weatherford International on June 25th. The theme for this year was “Unconventional and Digital Oilfields: Countless Opportunities.” The conference attracted over 140 professionals who are in the first ten years of their career. EEC has showcased a great list of top industry speakers, among them Janeen Judah, 2016 Society of Petroleum Engineers International President.

In just a few hours this is what SPE helped to achieve: 8,308 lbs. of food sanitized, sorted and packed; 6,923 meals prepared. This was a great opportunity to give back to the community while getting to know people from our industry.

SPE GCS YP co-hosted a networking social with the SPE GCS Community Services Committee at Sage County on August 19th. This was a great opportunity to better connect the two groups, giving the regular YP Community Outreach volunteers a chance to learn more about additional volunteer opportunities within the section, and help the Community Services Committee widen its pool of volunteers.
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Over the school year, our chapter provided students with fantastic career development opportunities. We hosted 25 technical presentations, 3 training courses, 11 field trips, 12 soft-skills lectures, 12 community outreach activities, and 19 networking events! We look forward to continuing our events in the upcoming year. We hope you can join us! To learn more about our chapter, please visit our webpage at spe.tamu.edu, follow us on social media (Facebook, LinkedIn, Twitter, and Instagram), or contact us at: spe.officers@spe.tamu.edu

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YOUR GUIDE TO YOUR ORGANIZATION LEADERS

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42 October, 2015
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October CALENDAR

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