CONNECT
SPE GULF COAST SECTION NEWSLETTER

Water-Related Issues in Drilling and Production of Gas and Oil, 2014
RESEARCH & DEVELOPMENT P. 13
Human Error
HSSE-SSR P. 15
TECHNOLOGY DEVELOPMENTS IN WATER MANAGEMENT FOR UNCONVENTIONAL GAS RESOURCES
PROJECTS FACILITIES & CONSTRUCTION P. 17
SCHOLARSHIP AND AWARD WINNERS 2014
EDUCATION P. 7-11
ROUGHNECK CAMP
YOUNG PROFESSIONALS P. 25
Volunteering is critical to the Section’s success. Last month we had the annual Awards Banquet where volunteers were recognized for extraordinary contributions. We appreciate each one of them and we appreciate the many volunteers who were not formally recognized. There are limited resources so we try to find the most deserving members, which is a challenge. The Board appreciates recommendations, so over the next year, please advise any board member of someone who makes an extra effort in a Committee, Study Group or by sharing their knowledge in the spirit of SPE. That will help ensure we recognize the right people each year. The Section is large but with knowledge sharing and networking, it is manageable.

Two people support our Section every day and deserve a special mention: Kathy MacLennan, our Section Administrator, and Sharon Harris. These two executives keep us focused, answer questions and make sure things run smoothly for all the Study Groups and Committees. When you are in the office or have a phone or email interaction with them, be sure to thank them for all they do. Thank you, Kathy and Sharon, on behalf of myself and the Board.

Emphasis on Health, Safety & Environment

One topic of considerable importance in our industry is Health, Safety, Social Responsibility and the Environment (HSSE). Globally, the SPE has made this an area of focus with numerous conferences. SPE will conduct the Americas HSE Conference 2015 in Denver on March 16-18. It should be a very informative event. You can sign up on the SPE website.

Within the Gulf Coast Section (GCS), the Health Safety & Environment Study Group provides our emphasis on this important topic. They hosted the first ever Movie Night, putting an HSE spin on fracturing technology. On June 17, 2014, they will have a luncheon discussion on “Human Error.” Help our industry be a healthier and safer place to work by attending these events and sharing information about these important topics.

Thought you should know

Sharing technical knowledge is a key SPE objective. As a member you have several ways to participate in that objective.

- Professional Networks - members aligned by common professional interests who come together to share information and ideas, discuss topics of interest and answer questions posed by other community members.
- Technical Sections – members join together to share ideas, promote competence, and develop projects related to their technical interest. Technical Sections tend to be more task-oriented than discussion-oriented.
- Technical Communities – members aligned by common technical interests, who meet in an online community to share information and ideas, discuss topics of interest, share documents, and answer questions posed by other community members.

SPE membership has its benefits; connecting to professionals in your area of interest is an important one. SPE membership is global, which means you can reach world-class experts anywhere in the world. SPE Connect is the vehicle for much of the sharing. To register visit SPE.org/network to learn about these networking groups and signup for SPE Connect.

Thank you for being involved with the section’s activities – it makes the GCS a better organization for all members. I personally welcome your comments and ideas to help the SPE Gulf Coast Section serve you and your career better. Please contact me at mike-strathman@att.net.
FEATURES
June 2014

STUDY GROUPS

RESEARCH & DEVELOPMENT
6/5/14
Water-Related Issues in Drilling and Production of Gas and Oil, 2014
P. 13

HSSE-SSR
6/17/14
Human Error
P. 15

PROJECTS FACILITIES & CONSTRUCTION
6/25/2014
Technology Developments in Water Management for Unconventional Gas Resources
P. 17

COMMITTEES

YOUNG PROFESSIONALS
6/12/14
Hess: Leading Bakken Unconventionals Through Everyday Innovation
P. 21

CONTINUING EDUCATION
Negotiation Skills & Conflict Resolution Soft Skills Workshop
6/18/14
Horizontal Drilling Workshop
7/18/14
P. 27

YP EMERGING ENGINEERS CONFERENCE & NETWORKING EVENT
Unconventional and Deepwater Development: Getting in on the Technology
6/26/14
P. 23

ROUGHNECK CAMP
7/17/14
P. 25

AUXILIARY
P. 27

EDUCATION
Scholarship and Award Winners 2014

MORE

EVENT RECAP
Community Service: The Future of Petroleum
OIL AND GAS INVESTOR’S “20 UNDER 40”
Deepak Gala
P. 29

IN EVERY ISSUE

SPE-GCS MEMBERSHIP REPORT
VOLUNTEER SPOTLIGHT
Nii Ahele Nunoo
P. 5
SPE-GCS DIRECTORY
P. 30-31

THU
June 12
7:30 AM TO 10:30 AM
BOARD OF DIRECTORS MEETING

LOCATION
SPE Houston Office
10777 Westheimer Rd.
Suite 1075
Houston, TX 77042

EVENT CONTACT
Sharon Harris
713-457-6821 EXT. 821
713-779-4216 FAX
sharris@spe.org
Trust your paddle?

One reliable solution.

Entero® MosaIC™

With over ten years of continuous progress and innovation for corporate reserves and evaluations, Mosaic has the product stability and client responsiveness that E&P companies have come to expect. Discover what it’s like to have a system and team you can depend on to achieve your end goal.

- Better Productivity
- Higher Efficiency
- Faster Speed
- Trusted Information

**SPE-GCS MEMBERSHIP REPORT**

**April 2014**

**Total:** 13,536

**YP:** 2,753

---

**MARCH 2014**

**Total:** 13,239

**YP:** 2,619

---

<table>
<thead>
<tr>
<th>Category</th>
<th>APRIL 2014</th>
<th>MARCH 2014</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SPE-GCS Members</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>New Members</td>
<td>50</td>
<td>3</td>
</tr>
<tr>
<td>Reinstated</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Transferred to Section</td>
<td>9</td>
<td>1</td>
</tr>
<tr>
<td>Unpaid</td>
<td>3,656</td>
<td>4,353</td>
</tr>
<tr>
<td><strong>Student Members</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Texas A&amp;M</td>
<td>683</td>
<td>623</td>
</tr>
<tr>
<td>Rice</td>
<td>34</td>
<td>25</td>
</tr>
<tr>
<td>HCC</td>
<td>43</td>
<td>40</td>
</tr>
<tr>
<td>UH</td>
<td>275</td>
<td>241</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>1,035</td>
<td>929</td>
</tr>
</tbody>
</table>

---

**Total Paid/Unpaid**

**% Paid**

- **April 2014:** 14,571 (77.8%) 4,147 (74.2%)

---

**VOLUNTEER SPOTLIGHT**

**Nii Ahele Nunoo**

**YP EMERGING ENGINEERS CONFERENCE CHAIR, SPE-GCS CONTINUING EDUCATION CHAIR**

This month the SPE Gulf Coast Section wishes to recognize Nii Ahele Nunoo. Nii Ahele serves as Chair for the SPE-GCS Continuing Education Committee as well as Chair for the SPE-GCS Young Professionals Emerging Engineers Conference.

In his role as Chair of the SPE-GCS Young Professional Emerging Engineers Conference, Nii Ahele is organizing the largest Young Professional event of the year. The conference exposes young professionals to new and emerging industry technologies as well as career development discussions that help build a solid foundation or a promising career in the energy sector. The theme for this year’s event is: “Unconventional and Deepwater Development: Getting in on the Technology”.

Nii Ahele analyzed the SPE-GCS Survey in regards to continuing education and is organizing seminars and workshops to meet the needs of survey responders. He is currently organizing a Negotiation Workshop this June that will focus on helping professionals in the oil and gas industry with their negotiation skills. He is also organizing a Horizontal Drilling seminar that will take place in July.

Nii Ahele is passionate about giving back to his community; in the fall of 2013, Nii Ahele was a part of the SPE-GCS Young Professionals team that helped build bikes with the Elves and More Foundation in Houston for the Christmas season. He also volunteered with the SPE Young Professionals team to renovate a house in Houston through the Rebuilding Together Houston Program.

Professionally, Nii Ahele is an Electrical Design Engineer with the Electronic Design Group (EDG) at National OilWell Varco. EDG is responsible for designing and qualifying electronics on projects for high shock, high pressure, and high temperature downhole tool applications that record drilling dynamics information.

In his free time, Nii Ahele organizes science fairs for middle school students in low income areas in Houston. He recently participated in his first BP MS 150 bike ride from Houston to Austin and met his fundraising target for the National Multiple Sclerosis Society.

---

**Don't miss out – Renew your dues TODAY!**
Pump jacks with legendary quality and reliability have been the reputation of Lufkin for more than 100 years. In that same tradition, Lufkin now offers more artificial lift systems, more support services and more locations to serve operators around the world. These highly engineered solutions, supported by our experienced staff, deliver optimum production from your oil and gas wells.

Now, more systems and services to meet your requirements:
- Automation
- Beam Pumping Units
- Hydraulic Pumping Units
- Reciprocating Pumps
- Progressing Cavity Pumps
- Production Optimization
- Well Monitoring
- Secure Scada
- Plunger Lift
- Gas Lift
- Completion Products
- Maintenance & Repair
- Training

_The Energy Flows Through Us*
LUFKIN.COM

---

_TAM PosiFrac™ Systems:_

With PosiFrac™ you have an all-inclusive, multi-stage system for open-hole hydraulic fracture applications. And you have the experts to run it from service centers in your region. You’ll get your completion on depth, on time, with the best swellable packers available. And that’s as complete as it gets.

---

_Not all ball-drop systems are created equal._

Our QA/QC process provides 100% traceability with 2D barcodes ensuring that every system is tracked from raw steel to on-site delivery. Contact us today and let us help you maximize your assets.

---

**DO IT ONCE. DO IT RIGHT.**

Packers Plus
www.packersplus.com
This year, SPE-GCS has awarded 25 new scholarships to graduating high school seniors who will begin their first college semester in fall 2014. These young men and women will embark on a journey to receive a degree in engineering or geoscience. All of the students receiving this scholarship have gone through a challenging selection process that analyzes their skills in math and science, their leadership, and their volunteer and extracurricular activities.

The Houston SPE Auxiliary, which dates back to 1963 when its predecessor, the WWAIME Group, awarded the first student loans, teamed up with SPE in 1978 to begin providing scholarships to deserving students in the Houston area. Over the past 45 years, more than 500 deserving high school students throughout the Gulf Coast area have received the Houston SPE Auxiliary’s “Scholarships for Tomorrow” scholarships. This year, four new SPE Auxiliary scholarships have been awarded to the following students:

- **COLIN ABERNATHY**
  Texas City HS

- **CONNOR SAUER**
  Cypress Creek HS

- **RUSS JAMES**
  Cinco Ranch HS

- **CUTAIA NICHOLAS**
  Conroe HS

SPE-GCS scholarship funds are awarded annually to outstanding local high-school seniors who plan to pursue a career in the petroleum industry and will major in engineering or science. Each scholarship provides $3,000 per year for new recipients as well as renewals. The majority of funds for the program are raised through the individual volunteer efforts of the 16,000+ members of the SPE-GCS and the Houston SPE Auxiliary in the Greater Houston area. Within SPE-GCS, funds are raised through sporting clays, golf and tennis tournaments, workshops, continuing education programs, seminars, symposia and study groups. The Houston SPE Auxiliary derives funds for its scholarship program by holding fundraising events for the activities of special interest groups of the organization or through memorial contributions and by working as volunteers in the OTC Nomad International Room and as support staff in the SPE office.

While the main purpose of SPE-GCS is to disseminate technical information for engineers involved in our industry, the second objective is to encourage students to develop their abilities in mathematics, science and engineering. The scholarship program helps meet that objective. It has been a key program for SPE-GCS since it was founded by the Auxiliary many years ago. This year, 21 deserving high school students will be receiving an SPE-GCS Scholarship.

- **ALLEN THAI**
  Dulles HS

- **HENRY HIGGINSON**
  The Woodlands HS

- **LIAM HOSKINS TOBIN**
  The Woodlands HS

- **ANDREW BROWN**
  Tomball Memorial HS

- **JACOB BEHLING**
  Northland Christian School

- **MADISON JACKSON**
  Westside HS

- **ANN GRAFF**
  The Woodlands HS

- **JAYANT AVASHTI**
  Kingwood HS

- **MIRANDA JONES**
  St. Michael Homeschool

- **BLAKE HAYES**
  Cy-Fair HS

- **JEREMY MARTENS**
  Cy-Fair HS

- **REED JONES**
  Clements HS

- **GRAHAM TAYLOR**
  Memorial HS

- **JORGE GARCIA RIVERA**
  Victory Early College HS

- **RITA SONKA**
  The Woodlands HS

- **GUNALAN KARUN**
  James E. Taylor HS

- **KARLO REMIGIO**
  Bellaire HS

- **SILLIN (LEO) HUANG**
  Lawrence E. Elkins HS

- **HALEY COLE**
  Cinco Ranch HS

- **LAUREN WHITNEY**
  William B. Travis HS

- **TRANG LUU**
  Westfield HS
We’re GROWING...

Introducing our Total Managed Displacement Services (TMDS™):

Our proprietary suite of wellbore cleanout tools, non-pollutant displacement chemicals, surface pit cleanout and fluids filtration services, and direct job validation.

Delivering the ultimate clean wellbore for maximizing completion success.

Abrado Wellbore Services

www.abrado-intl.com
Email us at: info@abrado-intl.com

ORANGE IS THE NEW GREEN

FloteK’s citrus-based, environmentally friendly CnF® fracturing additives will revolutionize the way the world thinks about fracturing and will improve your production.

For more information contact casimir@flotekind.com or call 832-308-CESI (2374)
Community in Schools Houston (CISH) Scholarship

This year, we also recognize the winners of the Community in Schools Houston (CISH) Scholarship. The Society of Petroleum Engineers is a long-time partner of CISH Inc. and has successfully hosted this Job Training Program for CISH high school students for many years in order to prepare them for successful employment. This partnership creates educational experiences that will develop and enhance transferable life skills, as well as create exposure to promising career choices.

LESLY SAUCEDO  
Milby High School

TIARA FLOWERS  
Davis High School

PATRICIA MENDOZA  
Milby High School

LILIANA GONZALEZ  
Milby High School

CRISTAL HERNANDEZ  
Southwest High School

JACQUELINE LAURENZANA  
Milby High School

BRITTANY SMITH  
Reagan High School

JULIO MENDOZA  
Milby High School

EXEMPLARY VOLUNTEER AWARD

DAVID PANTOJA MANZANO  
Credit Agricole

HUZAIFAH RAZALI  
NOV

TONY FERNANDEZ  
Noble Energy

SKIP DAVIS  
Technology Intermediaries

JAMES RODGERSON  
BP

NAVAL GOEL  
David Hughes

DAVID EPPLIN  
Superior Energy

TANHEE GALINDO  
BSAF

SUSAN HOWES  
Chevron

JAMES PAPPAS  
RPSEA

ELIZABETH DESTEPHENS  
Oxy

CHRIS SHAW  
Shell

CHET TEAFORD  
HDR

ANGELO PINHEIRO  
Marathon

This year, we also recognize the winners of the Community in Schools Houston (CISH) Scholarship. The Society of Petroleum Engineers is a long-time partner of CISH Inc. and has successfully hosted this Job Training Program for CISH high school students for many years in order to prepare them for successful employment. This partnership creates educational experiences that will develop and enhance transferable life skills, as well as create exposure to promising career choices.

LESLY SAUCEDO  
Milby High School

TIARA FLOWERS  
Davis High School

PATRICIA MENDOZA  
Milby High School

LILIANA GONZALEZ  
Milby High School

CRISTAL HERNANDEZ  
Southwest High School

JACQUELINE LAURENZANA  
Milby High School

BRITTANY SMITH  
Reagan High School

JULIO MENDOZA  
Milby High School

EXEMPLARY VOLUNTEER AWARD

DAVID PANTOJA MANZANO  
Credit Agricole

HUZAIFAH RAZALI  
NOV

TONY FERNANDEZ  
Noble Energy

SKIP DAVIS  
Technology Intermediaries

JAMES RODGERSON  
BP

NAVAL GOEL  
David Hughes

DAVID EPPLIN  
Superior Energy

TANHEE GALINDO  
BSAF

SUSAN HOWES  
Chevron

JAMES PAPPAS  
RPSEA

ELIZABETH DESTEPHENS  
Oxy

CHRIS SHAW  
Shell

CHET TEAFORD  
HDR

ANGELO PINHEIRO  
Marathon

The SPE Legion of Honor recognizes individuals who have maintained their membership in SPE for 50 years. This list of inductees includes not only captains of industry and pioneers in exploration, production and petroleum technology, but also numerous members who have received SPE recognition before. The list includes SPE Directors, SPE Distinguished Members, and holders of countless SPE officer positions over the past 50 years. The people on this list have written hundreds of technical papers and articles, compiled several textbooks, and hold dozens of technical patents. The list contains many industry leaders of the past and present that guided the full spectrum of companies – from small independent firms to major Fortune 500 corporations.

The importance of their accomplishments and dedication over the last 50 years cannot be overstated.

MR. WILLIAM E. BABYAK
MR. ALLEN C. BARRON
MR. ROBERT F. BOGGUS
MR. WILLIAM R. BRINKOETER
MR. PAUL E. CAMERON JR.
MR. MARSHALL P. CLOYD
MR. VIRGIL R. COLE JR.
MR. THEODORE C. DOERR
MR. CLIFFORD W. DYE
MR. MUDAFAR M. EL SALEH
MR. HUGH G. EVANS

MR. JOSEF A. GALOOSTIAN
MR. GEORGE A. HELLAND JR.
MR. FERDINANDO JUON
MR. DONALD E. LANMAN
MR. WILLIE L. LYON
MR. JACK MARSHALL
MR. RICHARD M. MCKINLEY
MR. DAN MENDELL III
MR. F. TIM PEASE
MR. ESPY P. PRICE JR.
MR. JIM D. REATHERFORD

MR. JON E. RISEDEN
MR. ROBERT W. SEARS
MR. R. W. SITTON
MR. GROVER D. SMITH
MR. VOLLIE W. SPONSELLER
MR. JOHN D. TRECKMAN
MR. MARVIN L. TRICE JR.
MR. DONALD E. VANDENBERG
MR. RUSSELL VANDIBER JR.
MR. GORDON L. WRIGHT
MR. MILTON L. GILLESPIE
When time is money, Wellsite Geoscience is money well spent.

Whether you’re exploring a basin, producing a well or completing a shale play, time is money. That’s why Weatherford Laboratories brings a suite of formation evaluation technologies right to the wellsite. Utilizing mud gas and cuttings, these technologies provide detailed data on gas composition, organic richness, mineralogy and chemostratigraphy in near real time. As a result, operators now have an invaluable tool to assist with sweet spot identification, wellbore positioning, completion design and hydraulic fracturing. We call it Science At the Wellsite. You’ll call it money well spent.

SCIENCE AT THE WELLSITE™
www.weatherfordlabs.com

More space to flow™

KRYPTOSPHERE™ ultra-conductive, ultra-high strength proppant technology

KRYPTOSPHERE provides twice the baseline conductivity of high-strength proppants at 20,000 psi closure stress. Precision-engineered, mono-sized proppant spheres with exceptional strength, durability and smoothness create more space to flow within your fractures. By maintaining increased conductivity for the life of your deepwater well KRYPTOSPHERE delivers higher production, increased EUR and greater ROI.

carboceramics.com/kryptosphere

WE ARE DEDICATED TO DELIVERING STRATEGIC VALUE FOR OUR CLIENTS.

Our highly skilled technical team understand the changing and challenging needs of the oil and gas industry and the importance of objective, innovative and cost effective solutions.
SPE-GCS SECTION
SERVICE AWARD WINNERS

SATHISH KULATHU
Sanchez O&G

ERNEST PROCHASKA
NOV

SUNIL LAKSHMINARAYANAN
Weatherford

BUDDY WOODROOF
Core Labs

PAVITRA TIMBALIA
ExxonMobil

REGIONAL SPE AWARDS

COMPLETIONS OPTIMIZATION & TECHNOLOGY AWARD
Maricel Marquez, Chevron

DISTINGUISHED ACHIEVEMENT AWARD
FOR PETROLEUM ENGINEERING FACULTY
Thomas Holley, University of Houston

DRILLING ENGINEERING AWARD
Roger Goobie, BP

FORMATION EVALUATION AWARD
William Almon, Chevron

HEALTH, SAFETY, SECURITY, ENVIRONMENT, & SOCIAL RESPONSIBILITY AWARD
Charles Williams, Center for Offshore Safety

MANAGEMENT & INFORMATION AWARD
Mario Coll, Anadarko

PROJECTS, FACILITIES & CONSTRUCTION AWARD
Harold Skeels, FMC Technologies

RESERVOIR DESCRIPTION & DYNAMICS AWARD
Delores Hinkle

SERVICE AWARD
Stephen Baumgartner, Marathon
Fady Chaban, ConocoPhillips
Sathish Kulathu, ConocoPhillips
Alex McCoy, Oxy
Dan Moore, Warrior Energy

SPE HOUSTON YOUNG ENGINEER OF THE YEAR
SIMEON EBURI
Chevron

SPE HOUSTON YOUNG
ENGINEER OF THE YEAR

OUTSTANDING COMMITTEE
SPORTING CLAYS
Paul Conover
Chair

OUTSTANDING STUDY GROUP

RESERVOIR
Sunil Lakshminarayanan
Chair
GeoSteering Services

Highly qualified personnel with 20+ years DD & LWD experience

24/7 Real-time monitoring or reports from LAS files

Proprietary software

Geosteering Software

TST interpretation for GR only measurements

Image displays / interpretation of azimuthal GR, resistivity or density measurements

Resistivity modeling / interpretation for LWD propagation resistivity

Software sales, training and technical support

info@geoesteering.com

Call 281 573 0500

---

Reserves for Unconventional Reservoirs

July 14-15, 2014 | Houston, TX

Are You Handling an Unconventional Reservoir? Learn from the Best!

This course details the methods available to forecast production and estimate reserves in unconventional (shale, hydraulically fractured, low to ultra-low permeability) reservoirs. Learn the strengths and weaknesses of commonly used methods.

For more information visit:

www.petroleumetc.com

or contact us via email at:

moreinfo@fracschool.com

or call 832.833.2569

---

You drop it in the wellbore, we catch it!

Introducing...

OPEN HOLE NET™

Protects the wellbore from metal dropped into and coming out of the wellbore!

Installs over any API standard size annular preventer.

Roughnecks rig it up; no operator needed.

No power source needed.

Operates 24/7/365. Never rests.

Complete stainless steel construction.

M.A.D.E.™ (Made, Assembled, Designed, Engineered in USA).

Patent Pending

Visit Us at SPE/IADC 2014 Fort Worth, TX March 4-6, 2014 Booth #601

www.5dilfilmagnetics.com

Reach for the SUMMIT in ESP solutions

EASTERN AREA 918.392.7820
SOUTHERN AREA 432.563.7040
WESTERN AREA 307.764.6346

www.summitesp.com

The Independent Leader in Real-Time Solutions

Solutions for Drilling, Petrophysics, and Geological Analysis
- Real-Time & Unstructured Data Management Services
- Drilling & Data Management Consulting
- Active Drilling Surveillance

www.petrolink.com
Water-Related Issues in Drilling and Production of Gas and Oil, 2014

It takes around 120,000 bbl of water to hydraulically fracture a well, and the well will return between 10% to 20% of the water, but in a greatly degraded form. On average, a conventional producing well produces from 7 to 10 barrels of water for each barrel of oil; this water tends to be corrosive, scaling, and loaded with “chemicals of concern” from simple salt to polynuclear aromatic hydrocarbons. The challenges are several-fold. First; there is a great need for more useable water for fracting, or to be able to tolerate lower quality water. Second, as the water is produced there are numerous engineering issues that must be managed related to keeping the well bore functioning. Finally, the produced water must be disposed of or reclaimed for use. Often the temperatures, pressures and salt content with the produced waters exceed our technical ability to model or treat. It is imperative that water-handling technology be improved, or the industry will continue to lose revenue and stop production prematurely.

Dr. Mason Tomson

Professor Mason Tomson holds a BS degree in Chemistry and Mathematics, a Ph.D. in Chemistry and is a licensed professional engineer (P.E.). He is a Professor of Civil and Environmental Engineering at Rice University in Houston, TX. Prof. Mason Tomson has co-authored over 250 articles in high impact journals, including Science, Journal of the American Chemical Society, Environmental Science and Technology, Oil and Gas Journal, and numerous SPE journals; he holds four patents, and has authored two books. While at Rice, he has directed research grants totaling over twenty million dollars. He is presently involved in numerous research projects from DOE, Advanced Energy Consortium, Brine Chemistry Consortium of 26 oil and gas production & service companies, and shale gas water treatment. Prof. Tomson is also leading a joint program between Rice University and Nankai University (Tianjin, China) on sustainable environmental development and several energy/environment related projects. In collaboration with Prof. Colvin, his work on arsenic removal was named one of the top five nanotech breakthroughs of 2006 by Forbes magazine and was featured in The New York Times.
NExT oil and gas training and career development instructs more than 10,000 E&P professionals every year.

With hands-on mentoring and coaching, at a Schlumberger training facility or on the job, NExT training can help you expand your technical expertise.

To view our full list of courses, and to enroll, visit NExTtraining.com

**Featured Geology Field Trip**
Practical Fracture Analysis of Clastic Reservoirs with Petrel
June 15–20, 2014
Casper, Wyoming, USA

---

**Don’t send your frac down a river.**

Let Geotrace show you how to save money and water on your frac programs by detecting subtle faults and fracture systems before drilling.

---

**PREMIUM CONNECTIONS**
Meeting your exacting requirements.
SealLock® | WedgeLock®
TKC™ | TS™ connection technology

---

**Reaching Deeper**
With the largest fleet of deep, high-pressure coiled tubing, coupled with basin-specific expertise

**Going Further**
To find solutions to our customers’ wellsite challenges, safely and efficiently

**That’s the IPS Advantage**
Integrated Production Services www.ipsadvantage.com

---

**Deepwater Drilling Training**

John Shaughnessy – SPE member – presents learnings from 36 years of experience: equipment, procedures, potential problems. Classes -

- Deepwater Drilling: 5 days
- Accelerated Deepwater Drilling: 2 Days
- HTHP Drilling: 3 Days
- Basic Drilling: 1 Day

Customized and In-House Classes Available
Class details at shaughnessydrillingtraining.com
Human Error

The human element is the most flexible and adaptable part of a company’s management system, but it is also the most vulnerable to influences that can adversely affect its performance. With the majority of accidents resulting from less than optimum human performance, there has been a tendency to label them as human error. However, the term “human error” is of little help in safety management. How do you fix human error? Although it may indicate where in the system the breakdown occurred, it provides no guidance as to why it occurred. An error attributed to humans may have been design-induced, or stimulated by inadequate equipment or training, badly designed procedures, or a poor layout of checklists or manuals. Further, the term “human error” in accident reports allows concealment of the underlying factors that must be brought to the forefront if accidents are to be prevented. The workplace needs an understanding of the factors and conditions affecting human performance.

For a company to shift its philosophy from a reactive to a preventative system, it needs a better understanding of human error. Incidents/accidents can’t be labeled simply as human error. The safety system must understand the root of human behavior and the errors in the workplace.

The presentation will cover the levels of performance behaviors and review a case study from a US airline accident. The presentation will also discuss a number of studies that draw upon a growing understanding of how skilled experts are driven by moment-to-moment task demands, the availability of information, and social/organizational factors, and ultimately they continue the plan even when the environment alerted them that another course of action should have been sought.

Andrew Dingee

Andrew Dingee chairs the SPE Human Factors Technical Section and currently works as the Global Wells Learning Advisor for BP. He worked extensively in aviation safety after leaving active duty from the Marine Corps where he was an aviation instructor. He transitioned to the oil and gas industry in 2010, bringing lessons learned from the recent revolution in aviation safety to the oil field environment.

Dingee has worked with companies developing SEMS programs and doing SEMS audits. He joined BP in 2012, where he currently works on creating a learning system that transfers safety lessons learned back to the field. He is the author of Hanger Talk, which focuses on the human error element of incidents.
Flexpipe Systems’ composite linepipe products are flexible, reliable and customizable. We are the answer to your next pipeline project.

ON-BOTTOM TOOL FACE ORIENTATION
INCREASED MOTOR LIFE
INCREASED ROP & HORIZONTAL REACH CAPABILITY
ELIMINATES ORIENTATION TIME LOSSES

Improving your horizontal operations with

COMPOSITE PIPELINE SOLUTIONS

SC_Flexpipe_LW_SPE-GSC_Newsletter_QuarterPage_022614.indd   1
0x0   14-02-27   3:43 PM

TRC Consultants, LC  888-248-8062  www.phdwin.com

SPE-GCS CONNECT

PHDWin™
Integrated Economics & Decline Curve Analysis

NOW EVEN MORE POWERFUL WITH

PHDRMS™
Reserves Management System
The complete solution for evaluating, managing, and reporting reserves and performance data.

ONLINE PRESENTATION TODAY!

slider.com/slider

Global Hydraulic Fracturing Expertise

281-680-4646
www.elytrac.com

Corrosion-Resistant
Composite Pipeline Solutions

Improving your horizontals

ShawCor
Flexpipe Systems
Flexpipesystems.com

Slider
Automated Directional Drilling

Improve your horizontals

- On-bottom tool face orientation
- Increased motor life
- Increased ROP & horizontal reach capability
- Eliminates orientation time losses

Ely
Shale and tight gas developments are highly water intensive processes with a typical well requiring several million gallons of water to drill and fracture. During gas/condensate production, a major portion of this water along with contaminants returns back to the surface as flow-back water in the first few weeks of operation, and the remaining amount of water is produced through the lifetime of the well as produced water. For either re-use or disposal, the water produced from unconventional hydrocarbon wells needs treatment as it may contain residual fracturing fluid chemicals, suspended solids, high salinity, hardness, and hydrocarbons that could form emulsions, and other constituents. The variability in produced-water volume, high salinity and residual polymer, among other issues, present various technical challenges in water treatment.

Shell uses an integrated subsurface/completions engineering/surface engineering approach to select and mature water treatment technologies and establish best water management practices focused on minimizing safety risks to protect human health and the environment, reduce water footprint, and optimize water-related costs. A brief introduction to the integrated process will be provided and results of recent technology development and testing focused on optimizing water reuse and recycling. This presentation addresses Shell’s current water management solutions for unconventional plays development.

Sunil Ashtekar

Sunil Ashtekar is a Production Chemist in the Deepwater R&D team at Shell Technology Center Houston and currently supports the water management R&D program for Unconventional Gas and Tight Oil Technology Platform. He has obtained his Masters and a PhD degree from the Chemistry department, IIT-Bombay in 1996. After his post-doctoral research at the department of chemical engineering at Cambridge University, he joined General Electric and worked in various fields of plastics, advanced materials and nanocomposites. In 2007, he joined Shell and has led various experimental programs on product and process chemistry, and was instrumental in developing sustainable and value-added sulfur products. He has also contributed in filing 16 patents.
Engineered to enhance completion efficiency, M-I SWACO pre-completion wellbore tools provide single-pass cleanups that focus on drilling mud residue removal, wellbore debris elimination, formation damage minimization and NPT reduction.

In addition to specialized tools, we offer an integrated suite of sophisticated planning software and effective displacement fluids that assure a clean, debris-free well during the critical transition of well construction from the drilling to completion phases.

www.miswaco.com/completions

**Specialized tools assure a debris-free completion**

Engineered to enhance completion efficiency, M-I SWACO pre-completion wellbore tools provide single-pass cleanups that focus on drilling mud residue removal, wellbore debris elimination, formation damage minimization and NPT reduction.

In addition to specialized tools, we offer an integrated suite of sophisticated planning software and effective displacement fluids that assure a clean, debris-free well during the critical transition of well construction from the drilling to completion phases.

**The SimpleStart™ toe sleeve**

Simply pressure up and test the casing; the toe sleeve opens automatically for initial injection.

ncsfarc.com
What Have We Learned About Host Selection in Deepwater GoM After 20 Years of Begin Being Off the Shelf

The Project, Facilities and Construction Study Group is pleased to announce our Summer Series for 2014. The series of lectures will focus on “Floating Production Systems” and the challenges our industry faces when selecting and designing the optimum field development plan for deepwater assets.

As offshore discoveries go deeper and into new environments, producing oil and gas from these resources becomes a more complex challenge. Deepwater production requires a large portfolio of projects to be developed with Floating Production Systems (FPS). Many factors must be considered that influence the design, including the payload and performance requirements, the met-ocean and geotechnical environments, construction methodology and available facilities, installation methodology and available equipment, and schedule requirements.

A series of six sessions have been selected to provide the attendee with an understanding of the factors and challenges that influence the selection and design of FPS. In the sessions, a summary of the main characteristics and design considerations will be provided, including pros and cons. In addition, selected recent innovations and future challenges will be discussed. In many cases, lessons learned from recent projects regarding design, installation and operation will be addressed.

These sessions will be presented by industry-recognized experts from the oil company, contractor, and engineering communities. These are perfect opportunities for either an introduction to FPS for the engineer just starting in the industry, a refresher for the more seasoned individual, or just a great networking opportunity for those involved in this arena.

Each session includes a 1-hour presentation followed by a 30-minute Q&A session. We fully expect a large turnout, so please book early and attempt to attend all six sessions. The PF&C Study group appreciates the support of our SPE-GCS members and we look forward to seeing you there.

DATES

<table>
<thead>
<tr>
<th>Session</th>
<th>Title</th>
<th>Date</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Session I</td>
<td>FPS Selection</td>
<td>July 2</td>
<td>4:30 pm – 6:00 pm</td>
</tr>
<tr>
<td>Session II</td>
<td>Monohulls</td>
<td>July 9</td>
<td>4:30 pm – 6:00 pm</td>
</tr>
<tr>
<td>Session III</td>
<td>TLPs</td>
<td>July 16</td>
<td>4:30 pm – 6:00 pm</td>
</tr>
<tr>
<td>Session IV</td>
<td>Spars</td>
<td>July 23</td>
<td>4:30 pm – 6:00 pm</td>
</tr>
<tr>
<td>Session V</td>
<td>Semi-Submersibles</td>
<td>July 30</td>
<td>4:30 pm – 6:00 pm</td>
</tr>
<tr>
<td>Session VI</td>
<td>Shallow Water Floater</td>
<td>August 6</td>
<td>4:30 pm – 6:00 pm</td>
</tr>
</tbody>
</table>
Learn Hydrocarbon Stage Production…No tools, coiled tubing or wireline

Tracer technology to evaluate stimulation and well design:
- Measure actual oil and gas production per stage
- Results equivalent to 30+ days of production logging
- Diagnose fracture communications to offset wells
- Confirm toe flow to verify release of all plugs

Knowing what’s going on at the bottom keeps you on top.

To learn more call or email:
Tel: 281 291 7769
Email: reservoir@tracerco.com
www.tracerco.com/reservoir-characterisation

SPE-GCS CONNECT
GERBERT SCHOONMAN

Gerbert Schoonman is Vice President, Onshore – Bakken Asset, for Hess Corporation, a leading global independent energy company engaged in the exploration and production of crude oil and natural gas. With nearly 25 years in the industry, Schoonman’s broad experience worldwide includes positions in petroleum engineering, production operations, environment, health and safety (EHS), project management and asset management.

Schoonman’s responsibility for the Bakken asset encompasses more than 550,000 acres in North Dakota and is one of the company’s top primary growth investments with a $2.2 billion capital budget in 2014. As a leading energy company in North Dakota, Hess is the second largest producer of oil from the Bakken. Under his leadership, the asset brought 168 wells online in 2013, raising the total to 722 operated wells in the region with plans to bring an additional 225 new operated wells online this year. Schoonman joined Hess in 2011 as Vice President, Production – Asia Pacific, with responsibility for production and subsurface operations for all of Hess’ producing assets in Asia Pacific before taking his current position in 2012.

Schoonman previously spent about 20 years with Shell. He served as the East Asset Manager for Brunei Shell Petroleum responsible for growing the asset’s production by bringing on-stream a series of new developments and pursuing operational excellence. He also held various leadership roles with Shell EP Europe, including Asset Development Manager for the company’s North Sea assets, Head of HSE Service Delivery for EP Europe and Offshore Installation Manager at Dunlin and Cormorant.

Schoonman, who earned his master’s degree in Mechanical Engineering from Delft University of Technology, began his career as a graduate engineer with Nederlandse Aardolie Maatschappij (NAM), a Shell-Exxon Mobil joint venture.
Directionally challenged?

If your directional drilling program is more challenging than you expected, maybe you need a new directional driller. Maybe you need Ryan Directional Services, Inc.

Ryan has experience in virtually every important oil and gas shale play. We know the potential roadblocks and how to address them before they cost you money. And that takes drilling to a new level of efficiency.

Call Ryan at 281.443.1414 and see how our directional drilling program will change your experience from challenging to rewarding.

www.nabors.com
If you answered yes to any of these questions, then you don’t want to miss the 2014 Emerging Engineers Conference. Register today and secure your spot!

KEYNOTE SPEAKER:
Al J Hirshberg, Executive Vice President, Technologies and Projects, ConocoPhilips Company

PRESENTATION TOPICS:
Drilling Automation, Fracking Technology, Smart Completions, Predictive Analytics in O&G Operations, Digital Oilfield, New Technologies in Reservoir Modeling, How Innovative Oil and Gas Companies Are Using Big Data to Outmaneuver Their Competition

TWO PANEL DISCUSSIONS ON:
Innovative Emerging Technologies in the Oil and Gas Industry and Engineering Career Certifications, Continuing Education, and the Road to a Technical or Management Career Path – Options of Today

TWO SOCIAL NETWORKING EVENTS:
With paid registration - Innovation is all about making unexpected connections.

POSTER COMPETITION:
Prizes: 1st-$1000; 2nd-$500; 3rd-$250 - Don’t miss your chance to display your work and win $1000!

Please join the SPE GCS Young Professional group for a Country Western Networking Event at Wild West Houston! The event will be held directly following the Emerging Engineers Conference on June 26th from 7-9pm. Food and beverages will be provided, thanks to our sponsor, Baker Hughes. The event is open to all young professionals, including those who do not attend EEC. See the event page on the SPE GCS calendar for more information about the conference and social event.
Fracture Performance?

With ProTechnics’ combined spectral and production imaging services you can directly measure:

- Fracture Effectiveness
- Wellbore Connectivity
- Production Allocation
- Water Production Problems
- Stage Production Contribution
- After-Frac Production Baseline

2013 PROFESSIONAL ENGINEERING EXAM RESULTS FOR PETROLEUM ENGINEERING

First Timers 75%
Second+ Timers 53%
National Pass Rate 70% Est

Look next month for Winrock PE Course Results

PE Exam Application Deadline Date: July 1, 2014
Next Petroleum PE Exam Date: October 24, 2014

P: 405-822-6761 | E: bingwines@cox.net
winrockengineeringinc.com

Critical Well Engineering Consulting Services

Viking’s Team of Highly Trained Petroleum Professionals Lend Their Experience to Creative Well Designs.

WE CAN HELP PLAN AND EXECUTE YOUR TOUGH WELLS.

VISIT OUR WEBSITE: www.vikingeng.net OR CALL: (281) 870-8455 IN HOUSTON

Technical Documentation Development and Management Consulting

Documentation help = more available engineering time

- Quick turnaround
- On-demand resource
- Timely publication

ZAETRIC
www.zaetric.com

Integrated Energy Services, Inc.

Robert Barba
Petrophysicist

Log Analysis
Completion Optimization

500 N. Capital of TX Hwy
Building 4-150
Austin, TX 78746
C: (713) 823-8602
P: (713) 583-9400
RBarba75@gmail.com

When Every Run Counts

www.ulterra.com
+1 817 293 7555
Roughneck Camp

The Oil and Gas Supply Chain: From the Ground to the Pump

Roughneck Camp (RNC) is an annual one-day conference focused on welcoming students, interns, technical professionals and new members to the oil and gas industry. The conference will include career development sessions, presentations by industry Leaders and a technical & panel discussion. There will also be many networking opportunities throughout the event.

<table>
<thead>
<tr>
<th>TIME</th>
<th>TOPIC</th>
<th>SPEAKER/TITLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:00 AM</td>
<td>Check In</td>
<td></td>
</tr>
<tr>
<td>8:00 AM</td>
<td>Opening Remarks</td>
<td>Jeffrey Rhea, Angola Reservoir Engineer, ExxonMobil</td>
</tr>
<tr>
<td>8:10 AM</td>
<td>On Exploration</td>
<td>Sid Jones, New Ventures Team Lead, Chevron</td>
</tr>
<tr>
<td>8:50 AM</td>
<td>On the Development of Oil and Gas Projects</td>
<td>TBD, ExxonMobil Development Co.</td>
</tr>
<tr>
<td>9:30 AM</td>
<td>On Oil and Gas Production</td>
<td>Bill Henry, VP, Shell International Exploration and Production</td>
</tr>
<tr>
<td>10:10 AM</td>
<td>Ice Breakers 1</td>
<td></td>
</tr>
<tr>
<td>10:40 AM</td>
<td>On the Transportation of Oil and Gas</td>
<td>Amethyst Cavallaro, Corporate Strategic Development, Williams</td>
</tr>
<tr>
<td>11:20 AM</td>
<td>On Liquefied Natural Gas</td>
<td>Chris Caswell, Director, LNG and FLNG, KBR</td>
</tr>
<tr>
<td>12:00 PM</td>
<td>Lunch</td>
<td></td>
</tr>
<tr>
<td>12:40 PM</td>
<td>Open Panel Discussion</td>
<td>Greg Andrews, Shell Oil Co.</td>
</tr>
<tr>
<td>1:20 PM</td>
<td>On Refining</td>
<td>Amy Sullivan, DW Proj Delivery Support Mgr, Shell</td>
</tr>
<tr>
<td>2:00 PM</td>
<td>On Petrochemicals</td>
<td>Mike Brown, VP Technology, Independence Oilfield Chemicals</td>
</tr>
<tr>
<td>2:40 PM</td>
<td>Ice Breakers 2</td>
<td>Julio Perez, Fixed Equipment Maintenance Supervisor, Exxon Mobil Chemical Co.</td>
</tr>
<tr>
<td>3:50 PM</td>
<td>Gas and Power Marketing</td>
<td>Mark Phan, Strategic Planning Advisor, ExxonMobil GAPM</td>
</tr>
<tr>
<td>4:30 PM</td>
<td>Closing Remarks</td>
<td>Glenn Harris, Chemist, Independence Oilfield Chemicals</td>
</tr>
<tr>
<td>4:40 PM</td>
<td>Social</td>
<td></td>
</tr>
</tbody>
</table>

**LOCATION**
Shell Woodcreek Facility
200 N Dairy Ashford Rd.
Houston, TX 77079

**RNC CO-CHAIRS**
Glenn Harris
832-458-9801
Gharris@independenceoc.com
Jeffrey Rhea
580-512-3312
Jeffrey.t.rhea@exxonmobil.com

**MEMBERS**
$50 before June 30, $60 after

**NON-MEMBERS**
$60 before June 30, $70 after

**REGISTRATION**
www.spegcs.org/roughneck-camp/

---

Innovative Custom-Engineered Drilling and Completion Solutions

Liner Hanger Systems
Expandable Systems
Completion Systems
Safety and Kelly Valves
Window Cutting Products
Rental Tools

Serving the Oil and Gas Industry Since 1917
Tel: 713-729-2110 Fax: 713-728-4767 www.twtools.com

Performance Additives for Oil & Gas

Our products include performance additives for a variety of oilfield applications.
We offer unique solutions for:
- Stimulation
- Drilling
- Cementing

E-mail us at oilfield@momentive.com.
Increase production while saving water, proppant, and time.

The HiWAY® flow-channel hydraulic fracturing technique creates infinitely conductive pathways within the proppant pack, enhancing productivity and operational efficiency. On average, jobs using the HiWAY technique increase production 20%, use 40% less water, and consume 60% less proppant.

To date, the HiWAY technique has been used in more than 21,000 stages. It has helped:
- conserve over 900 million gallons of water
- save 2.8 billion pounds of proppant
- prevent more than 1,000 screenouts
- eliminate over 125,000 road journeys.

Find out more at [slb.com/HiWAY](http://slb.com/HiWAY)

© TETRA and the TETRA logo are registered trademarks of TETRA Technologies, Inc. All rights reserved.
NEGO T IAT I ON SKILLS &
CONFLICT RESOLUTION
SOFT SKILLS WORKSHOP

SPEAKERS
SUSAN C. HOWES, PE, PHR
Reservoir Management Organizational Capability Consultant
Chevron Global Upstream

MARIA FITCH
Employee Development Advisor, U.S. Professional Development
Weatherford International

ANDREA HERSEY
Technical Sales Manager
Momentive Specialty Chemicals Inc.

SPE GCS-HORIZONTAL DRILLING WORKSHOP

SPEAKER
Robello Samuel
Halliburton Fellow
Halliburton - Landmark/Sperry
Drilling Services

LOCATION
SPE GCS Section Office
1077 Westheimer Road
Suite 1075
Houston, Texas 77042

EVENT CONTACT
Nii Ahele Nunoo
507-304-5416
nii.nunoo@nov.com

MEMBERS
$30
NON-MEMBERS
$35

Event Info

LOCATION
TBD

EVENT CONTACT
Nii Ahele Nunoo
507-304-5416
nii.nunoo@nov.com

COMMITTEE AUXILIARY

The Houston SPE auxiliary will not have a formal meeting in June, July or August 2014. Please watch for further news of our September kick-off gathering.

If you know someone who is interested in joining us or our activities, please contact Nancy Giffhorn, 281-360-4631 or rgiffhorn@aol.com

BOOK CLUB
There will be a summer book club meeting, book and location to be determined.

CONTACT
Martha Lou Broussard
713-665-4428
SEE THE ENERGY
WITH TGS’ DATA INTEGRATION SOLUTION
See and access all of your G&G data with Volant, TGS’ geoscience data and application integration solution.
For more information contact TGS at:
Tel: +1 713 860 2100
Email: info@tgs.com

WE MAKE IT WORK RIGHT
THE FIRST TIME.
Deeper and deeper water, Larger projects, More complex design challenges, More people with highly specialized skills, Fewer people who see the big picture.
GATE’s full-service team takes a larger, systems view of the interactions and intricacies of the project as a whole. This enables us to develop solutions that cross many different disciplines and boundaries.
The result: Smoother facility startups, higher up-time and reliability, less operating headaches and improved whole-life value for existing developments.
Materials & Corrosion
Subsea Engineering
Climax Risks Management
Commissioning & Initial Startup
Chemical Systems Engineering
Flow Assurance
Water Injection
www.gateinc.com

ARE YOU FEELING THE EFFECTS OF THE
Great Crew Change?
Replenish your company men with competent personnel...

Dyna-Drill
Manufacturers of Drilling Motor Components
• Mud Motor Power Sections
(Sizes: 2 7/8” to 11 1/2”)
• Coil Tubing Power Sections
(Sizes: 1 11/16” to 3 3/4”)
• Matrix-3® Coated Bearings
• Precision Machining
www.dyna-drill.com
Power That Lasts™

Signa’s Wellsite Foreman Intern Training (WFIT) program does all the groundwork to provide operators with qualified company men. We screen, select and train optimal candidates, evaluating each of them throughout to ensure they’re tailor-made for your company.
• Drilling or Completion
• Establish core skillsets
• Instill good habits
• Get quicker results
• Monitor progress
Signa Engineering Corp.
Houston, TX USA
www.signaengineering.com
The WFIT program is a comprehensive 8-mo. training class utilized by large and small operators (As featured in Offshore magazine).
Contact: Dave Roseland
281.774.1026
droseland@signa.net
COMMUNITY SERVICE: THE FUTURE OF PETROLEUM

SPE-GCS hosted the 2nd Annual High School invitational in April, 2014 in which advanced level STEM high school students were invited to attend a professional luncheon. Christine A. Ehlig-Economides, Ph.D., M.S., B.A. presented, “The Future of Petroleum” to the combined audience of professionals and 40+ students. This joint effort between SPE-GCS Community Services and the Permian Basin study group informed the students about various opportunities in the oil and gas industry, as well as provided a platform to ask questions.

DEEPAK GALA: Oil and Gas Investor’s “20 Under 40”

The SPE-GCS wishes to congratulate Deepak Gala for his selection as one of Oil and Gas Investor’s “20 Under 40”. Gala, a member of the SPE-GCS, was profiled in the April 2014 edition for his impressive contributions to the field. This prestigious award recognizes rising stars in Exploration and Production Companies who demonstrate initiative and talent, inspire and motivate colleagues, are engaged with their communities, and are expected to lead the industry into the future.

DEEPAK GALA
Subject Matter Expert in Well Control, Engineering & Relief Well Planning

In his role at Shell, Gala focuses on global unconventional assets in the Americas, Ukraine, China and Turkey. He has 10 years of industry experience with technical (underbalanced drilling, managed pressure drilling, air drilling and well control engineering) and nontechnical (safety, business process optimization, training, commercial, cost allocation/improvement, financial metrics review) strengths.

Gala holds a BS in chemical engineering from Mumbai University, an MS in natural gas engineering from Texas A&M University-Kingsville, and an MS in finance from Tulane University. He has published more than 20 technical papers, co-authored a chapter in the Advanced Drilling & Well Technology textbook published by SPE and is working on a textbook on drilling hazard technologies published by Petex. He is an active member of SPE, AADE and IADCE and volunteers to teach SPE & Petex-sponsored courses. He has received several awards, including the SPE Regional Young Engineer of the Year Award, SPE Young Member Outstanding International Service Award, and SPE Outstanding Technical Editor Award.
SPE GULF COAST SECTION DIRECTORY

Your guide to your organization leaders

Officers

CHAIR
Mike Strathman, The Trinity Group, Inc.  
713-614-6227  
mike-strathman@att.net

VICE-CHAIR
Jeanne Perdue, Occidental Oil and Gas  
713-215-7348  
jeanne_perdue@oxy.com

SECRETARY
David Flores, Consultant  
281-381-5828  
david_p_flores@yahoo.com

TREASURER
Robert Bruant, Jr., Pioneer Natural Resources Company  
972-969-4573  
robert.bruant@pxd.com

VICE TREASURER
Lucy King, Miller and Lents, Ltd.  
713-308-0343  
lking@millerandlents.com

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

COMMUNICATIONS
Valerie Walker, Anadarko  
832-636-3196  
Valerie.walker@anadarko.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 (Sun) VandeBerg Harris, Consultant  
832-444-5143  
stem.fields@gmail.com

PAST CHAIR
Steve Baumgartner, Marathon Oil Corp.  
713-296-3190  
sbaumgartner@marathonoil.com

PROGRAMS
David Tumino, Murphy Oil Corp.  
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@apolloy.com

YOUNG PROFESSIONALS
Simeon Eburi, Chevron  
806-544-0829  
simeon.eburi@chevron.com

DIRECTOR 2012-14
Alex McCoy, Occidental Oil and Gas  
713-366-5653  
alexander_mccoy@oxy.com

DIRECTOR 2013-15
Trey Shaffer, ERM  
281-600-1016  
Trey.Shaffer@erm.com

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

COMMUNICATIONS
Valerie Walker, Anadarko  
832-636-3196  
Valerie.walker@anadarko.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 (Sun) VandeBerg Harris, Consultant  
832-444-5143  
stem.fields@gmail.com

PAST CHAIR
Steve Baumgartner, Marathon Oil Corp.  
713-296-3190  
sbaumgartner@marathonoil.com

PROGRAMS
David Tumino, Murphy Oil Corp.  
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@apolloy.com

YOUNG PROFESSIONALS
Simeon Eburi, Chevron  
806-544-0829  
simeon.eburi@chevron.com

DIRECTOR 2012-14
Alex McCoy, Occidental Oil and Gas  
713-366-5653  
alexander_mccoy@oxy.com

DIRECTOR 2013-15
Trey Shaffer, ERM  
281-600-1016  
Trey.Shaffer@erm.com

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

COMMUNICATIONS
Valerie Walker, Anadarko  
832-636-3196  
Valerie.walker@anadarko.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 (Sun) VandeBerg Harris, Consultant  
832-444-5143  
stem.fields@gmail.com

PAST CHAIR
Steve Baumgartner, Marathon Oil Corp.  
713-296-3190  
sbaumgartner@marathonoil.com

PROGRAMS
David Tumino, Murphy Oil Corp.  
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@apolloy.com

YOUNG PROFESSIONALS
Simeon Eburi, Chevron  
806-544-0829  
simeon.eburi@chevron.com

DIRECTOR 2012-14
Alex McCoy, Occidental Oil and Gas  
713-366-5653  
alexander_mccoy@oxy.com

DIRECTOR 2013-15
Trey Shaffer, ERM  
281-600-1016  
Trey.Shaffer@erm.com

Committee Chairs

AWARDS
James Rodgerson, BP  
281-221-4085  
james.rodgerson@bp.com

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

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

GOLF
Cameron Conway, KB Machine  
281-217-0660  
cconway@kb-machine.com

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

NEWSLETTER
John Jackson, Unimin Energy  
832-247-0233  
editor@spegcs.org

SCHOLARSHIP
Tanhee Galindo, Consultant  
832-693-9010  
gcs-scholarship@spemail.org

SPORTING CLAYS
Paul Conover, NOV  
713-346-7482  
paul.conover@natoil.com

TECHNOLOGY TRANSFER
Carol Piovesan, APO Offshore  
949-232-6353  
cpiovesan@apolloy.com

TENNIS
James Jackson, Halliburton  
713-366-5704  
james.jackson@halliburton.com

WEB TECHNOLOGY
Shivkumar Patil, Aker Solutions  
713-369-5352  
Shivkumar.Patil@akersolutions.com

SECTION MANAGER
Kathy MacLennan, SPE-GCS  
713-779-9595 x 813  
kmaclennan@spe.org
Study Group Chairs

**BUSINESS DEVELOPMENT**
Steve Mullican, Grenadier Energy Partners
281-907-4120
smullican@grenadierenergy.com

**COMPLETIONS & PRODUCTION**
Mark Chapman, CARBO Ceramics
281-921-6522
mark.chapman@carboceramics.com

**DIGITAL ENERGY**
Rick Morneau, Morneau Consulting
281-315-9395
rickmorneau@outlook.com

**DRILLING**
Joe Tison, Greene Tweed
281-784-7805
wtison@gtweed.com

**GENERAL MEETING**
Raja Chakraborty, Shell
281-544-2148
Raja.Chakraborty@shell.com

**HEALTH, SAFETY, SECURITY, ENVIRONMENT AND SOCIAL RESPONSIBILITY**
Trey Shaffer, ERM
281-600-1016
trey.shaffer@erm.com

**INTERNATIONAL**
Owen Jones, ExxonMobil Development Company
832-624-2019
owen.jones@exxonmobil.com

**NORTHSIDE**
Naval Goel
650-307-7267
navalgoel@hotmail.com

**PERMIAN BASIN**
Amy Timmons, Weatherford
713-836-6563
amy.timmons@weatherford.com

**PETRO-TECH**
Marci Nickerson, Consultant
713-446-3400
mnick52@sbcglobal.net

**PROJECTS, FACILITIES, CONSTR.**
Chris Shaw, Shell
281-544-6796
C.Shaw@shell.com

**RESEARCH & DEVELOPMENT**
Skip Davis, Technology Intermediaries
281-359-8556
skdavis@technologyintermediaries.com

**RESERVOIR**
Sunil Lakshminarayanan, Weatherford
713-849-1861
sunil.lakshminarayanan@weatherford.com

**WATER & WASTE MANAGEMENT**
Kira Jones, Momentive
281-646-2805
kira.jones@momentive.com

**WESTSIDE**
Andrea Hersey, Momentive
281-646-2805
andrea.hersey@momentive.com

---

**CONNECT**

**Newsletter Committee**

**CHAIRMAN |** John Jackson
editor@spegcs.org

**AD SALES |** Pat Stone
starlite1@sbcglobal.net

**BOARD LIAISON |** Valerie Walker

**NEWSLETTER DESIGN |** DesignGood
designgood.com
designgoodstudio.com

**SPE Houston Office**

**GULF COAST SECTION MANAGER**
Kathy MacLennan | kmaclennan@spe.org

**GCS ADMINISTRATIVE ASSISTANT**
Sharon Harris | sharris@spe.org

**HOURS & LOCATION**
10777 Westheimer Road, Suite 1075
Houston, Texas 77042

P 713-779-9595
F 713-779-4216

Monday - Friday  8:30 a.m. to 5:00 p.m.

---

**Photo Submissions**

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

---

**Change of Address**

To report a change of address contact:
Society of Petroleum Engineers
Member Services Dept.
P.O. Box 833836
Richardson, Texas 75083-3836
1.800.456.6863
service@spe.org

---

**Contact**

For comments, contributions, or delivery problems, contact editor@spegcs.org.
Chemical EOR for the 21st Century

- Solid theoretical foundation built at UT Austin
- Robust chemical formulations, for any salinity and hardness
- Very low chemical retention
- Efficient chemicals at lower concentrations
- UTCHEM – leader in simulation
- Commercially Independent
- Integrated support from lab to field throughout project life
- Patented, proprietary chemical systems

ACCEPTING PROJECTS AT OUR NEW FACILITY IN AUSTIN.
Contact Charles Christopher at Charles@ultimateeor.com or 713.502.3008 and let us engineer a successful project for you.

CALENDAR

June 2014

<table>
<thead>
<tr>
<th>Sunday</th>
<th>Monday</th>
<th>Tuesday</th>
<th>Wednesday</th>
<th>Thursday</th>
<th>Friday</th>
<th>Saturday</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
<td>7</td>
</tr>
<tr>
<td>8</td>
<td>9</td>
<td>10</td>
<td>11</td>
<td>12</td>
<td>13</td>
<td>14</td>
</tr>
<tr>
<td>15</td>
<td>16</td>
<td>17</td>
<td>18</td>
<td>19</td>
<td>20</td>
<td>21</td>
</tr>
<tr>
<td>22</td>
<td>23</td>
<td>24</td>
<td>25</td>
<td>26</td>
<td>27</td>
<td>28</td>
</tr>
<tr>
<td>28</td>
<td>29</td>
<td>30</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>