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October 7, 2019

GENERAL MEETING

Distinguished Lecturer - Production Optimization Lawrence Camilleri, Schlumberger

📍 Denver Athletic Club
📅 Wednesday, October 16, 2019, 11:30 AM - 1:00 PM
Early-bird registration deadline: October 14 at 5:00 PM

Tickets:

Members	\$30
Non-Members	\$35
Walk-Ins	\$45

[Register Now](#)



Abstract: Optimizing production has always been important, but there is naturally a greater focus on high rate wells, such as those produced with ESPs (Electrical Submersible Pumps). A key driver is arresting decline while minimizing infill drilling, which is often achieved by identifying wells with skin to identify stimulation candidates and increasing drawdown on wells with good pressure support. With unconventional, accelerating production while minimizing power consumption become dominant goals. This presentation explains how real-time gauge data enables high-frequency, high-resolution downhole flow rate measurements on ESP wells. Thereby providing both rate and pressure, which are essential to enabling inflow characterization and thereby identifying optimization opportunities without the need for traditional buildups, which cause production deferment.

Fortunately, technology advances have improved real time data quality in terms of both sampling frequency and metrology. There has also been a reduction in the cost of measurement, transmission and storage, which signals the true dawn of the digital age. The presentation therefore also reviews how real time data enables increases in well uptime and ESP run life as well as minimizing power consumption. Using material from recent SPE papers, both theoretical methodology and real case studies are presented to illustrate the value of real time data for both conventional vertical wells and unconventional multifracked horizontal wells. While the case studies are based on ESP applications, the lessons learnt on how to extract value from real-time data can be applied to other artificial lift techniques, especially since inflow characterization is generic.



Biography: Lawrence has over 33 years of experience in production operations of which 27 years have been focused on artificial lift in a variety of roles ranging from field and application engineer to his current role as Global Domain Head, which is Schlumberger's most senior technical position in the Artificial Lift Division. He has published over 16 SPE conference papers and 3 patents covering all aspects of ESP operation such as inflow characterization and advanced completions. This body of work is particularly noteworthy as it combines theoretical explanations and field case studies using real time data.

YOUNG PROFESSIONALS



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Lunch & Learn - Applying Fluid Tracking to Understand Hydraulic Fracturing Performance and Pitfalls

Ellen Scott, Engineering Advisor, Deep Imaging

Liberty Oilfield Services, 950 17th St Suite 2400, Denver, CO 80202

October 9, 2019, 11:30 AM - 1:00 PM

Lunch will be provided

[Register Now](#)

Abstract:

Operators developing unconventional resources are constantly seeking to improve completions and increase their wells' rates of return. This optimization process involves changing completion designs, well spacings, and flowback strategies. Diagnostics that evaluate the success of such changes are critical. One such diagnostic is Fluid Tracking through Controlled Source Electromagnetics (CSEM). CSEM is a proven, surface-based technology that has been applied to conventional resources in the past. Deep Imaging uses a CSEM application to image the movement and extent of fracturing fluid during the stimulation. This presentation describes the technique and presents case studies illustrating many applications for the technology.

Bio:



Ellen Scott is an Engineering Advisor to Deep Imaging. She brings nearly a decade of experience in the oil and gas industry, with roles in business development, GeoEngineering, and Field Engineering at Fracture ID, SIGMA3, and Schlumberger. Her areas of expertise include completions, hydraulic fracturing, geomechanics, cementing, microseismic interpretation, and production enhancement field studies. She began her career in 2010 with Schlumberger in the Middle East. Ellen has a B.S.E. in Mechanical & Aerospace Engineering from Princeton University and a M.S. in Global Energy Management from the University of Colorado Denver Business School.

YP Happy Hour

Rhein Haus, 1415 Market St, Denver, CO 80202

October 9, 2019, 4:30 PM - 6:00 PM

Join us for a drink and appetizers to catch up and network with friends and colleagues.

YOUNG PROFESSIONALS HALLOWEEN COSTUME PARTY

Top Golf, 10601 E Easter Ave. Centennial, CO 80112

October 31, 2019, 6:00 PM - 9:00 PM

[Register Now](#)

Come Celebrate Halloween with SPE Young Professionals at our annual Top Golf event!

For \$30/person, this frightfully fantastic takeover includes party bus, delicious appetizers, beer, wine, and hours of fun! Costumes are STRONGLY encouraged!

Those interested in riding the PARTY BUS will meet at a downtown location TBD and drop off at Centennial Top Golf location.

We look forward to see you there for a casual and exciting SPE Top Golf event!

COMMUNITY OUTREACH

SPE Needs volunteers for multiple opportunities in October and November. We need your help:

We need your help with Energy4Me presentations to local elementary schools.

We also need your help serving local high-school STEM classes.

Please step forward and help out students in Aurora, Broomfield, Denver, Stedman, and Littleton with your time and experience. These opportunities give our community a chance to give back to our neighbors, to help recruit and groom the next generation of engineers. Most importantly, this gives SPE an opportunity to define the narrative with which our communities will perceive us as an organization and an industry.

Please use this [link](#) to sign up for one or more of our volunteer activities.

SPE Community Outreach | Energy4me Stedman Elementary School Denver, CO

Date: October 23rd 2019

Time: 9 am – 10 am , 10 am – 11 am, and 11am – 12pm

Location: Stedman Elementary School | 2940 Dexter St | Denver, CO 80207

Free

Ticket Limit: 5 per class period

Description:

Speak to three classes of approximately 30 elementary school students: This is an Energy4Me Presentation. If you have not already completed the Energy4Me orientation, please let us know so we can bring you up to speed!

Sign up [here!](#)

SPE Community Outreach | Hinkley High School Aurora, CO

Date: October 25rd 2019

Time: 7:30 am – 8:30 am, 1 pm – 2 pm, and 2 pm – 3 pm

Location: Hinkley High School | 1250 Chambers Rd | Aurora, CO 80011

Free

Ticket Limit: 5 per class period

Description:

Speak to a class of approximately 30 High School STEM students: Describe your career experience as an engineer. Why you chose the field you did? What you have done with it? Where it has taken you? What it has done for you? What made you fall in love with it? What would you do differently?

Sign up [here!](#)

SPE Community Outreach | Hinkley High School Aurora, CO

Date: November 8th 2019, February 7th 2020, and April 24th 2020

Time: 1:20 pm – 2:20 pm

Location: Hinkley High School | 1250 Chambers Rd | Aurora, CO 80011

Free

Ticket Limit: 5 per class period

Description:

Help guide and mentor a class of approximately 30 graduating High School senior STEM students with their senior design projects: This is a commitment of 1 hour on multiple days over coming months

From 1:20-2:20 11/08/2019, Meet the student teams, hear their proposed problem statements, ideas, and help provide guidance for proposed project

From 1:20-2:20 02/07/2020, Intermediate check-up on project progress. Revisit the student teams and verify progress. Provide feedback to students on progress.

From 01:20-2:20 04/24/2020, Final project presentation. Revisit the student teams and view final presentations. Provide professional feedback to students on their projects & presentations.

Sign up [here!](#)

SPE Community Outreach | Hinkley High School Aurora, CO

Date: November 8th 2019, February 7th 2020, and April 24th 2020

Time: 1:20 pm – 2:20 pm

Location: Hinkley High School | 1250 Chambers Rd | Aurora, CO 80011

Free

Ticket Limit: 5 per class period

Description:

Help guide and mentor a class of approximately 30 graduating High School senior STEM students with their senior design projects: This is a commitment of 1 hour on multiple days over coming months

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From 01:20-2:20 04/24/2020, Final project presentation. Revisit the student teams and view final presentations. Provide professional feedback to students on their projects & presentations.

Sign up [here!](#)

SPE Community Outreach | Legacy High School Broomfield, CO

Date: November 14th 2019

Time: 8 am – 9 am, 10am – 11 am, and 1:30 pm – 2:30 pm

Location: Legacy High School | 2701 W 136th Ave | Broomfield, CO 80023

Free

Ticket Limit: 5 per class period

Description:

Speak to a class of approximately 30 High School STEM students: Describe your career experience as an engineer. Why you chose the field you did? What you have done with it? Where it has taken you? What it has done for you? What made you fall in love with it? What would you do differently?

Sign up [here!](#)

Do you want to teach young students about energy, serve breakfast at the Denver Rescue Mission, or judge science fairs? Join other SPE members in giving back to our community! If you want to learn more about SPE's outreach activities, please contact Community Outreach Chair, Davis Scott.

daviswsd@gmail.com

[Become a Sponsor!](#)

SPONSORSHIP OPPORTUNITIES



The Denver Section of SPE is seeking sponsors for its 2019-2020 Calendar Year. Last year our section gave out over 50K in scholarships and participated in hundreds of hours of community support for those in need and those curious about our industry. We appreciate any and all interest in supporting the Section with charitable donations and have put together the following benefits table to outline the value of sponsorship at different levels. Should your charitable hopes not fall within this framework, let us know and we can find a way to make the donation equal value for your organization. Sponsorship Chair - Cliff Price @ 580.339.0038

	PRESENTING \$10,000	PLATINUM \$7,500	GOLD \$5,000	SILVER \$4,000	BRONZE \$2,000
General Meeting held Monthly					
Presenting Sponsor (5 of 8 luncheons)	•				
Sponsor (8)		•	•	•	
Events					
Study Group Presenting Sponsor (min of 4)	•				
Study Group Sponsor (4)		•			
Continuing Education (2)	•	•	•		
Education Track (2)	•	•	•	•	
Evening Event (2)	•	•	•	•	•
Young Professionals					
YP Lunch & Learn Presenting Sponsor (5 of 8)	•				
YP Lunch & Learn Sponsor (8)		•	•	•	
YP Happy Hour (8)	•	•	•	•	•
Sports					
Tennis/Racquetball/Golf Platinum	•	•			
Tennis/Racquetball/Golf Gold			•		
Tennis/Racquetball/Golf Silver				•	
Tennis/Racquetball/Golf Bronze					•
Advertising					
Newsletter Monthly Sponsor (5 of 8)	•				
Acknowledgement on Website Sponsorship Banner	•	•	•	•	•
Facebook/Twitter/LinkedIn Post	•	•	•	•	•
Unlimited Online Job Postings	•	•	•	•	•
Branded drinkware (socials) and writing materials (presentations) allowed (items provided by sponsor)	•	•	•		

Presenting Sponsors of the Section or an Event are given the opportunity to introduce the event and encouraged to display marketing material on a table(s) at the event.

PARTNER EVENT - RMAG Sporting Clay Tournament

Join RMAG for our annual Sporting Clay Tournament! Enjoy an afternoon of clay shooting at one of the finest sporting clays courses in the country. The course of 24 fully-automated stations is laid out along a wooded section of Kiowa Creek.

Tournament Details:

- Date: October 10, 2019
- Time: Lunch - 11:00am; Shotgun - 1:00pm
- Prizes for individual high score and team 1st, 2nd and 3rd flights.
- Price includes one round of 100 sporting clays, lunch, and door prizes.
- Does not include ammunition (please bring enough ammo for 100 clays or you may purchase ammo at Kiowa Creek).
- You may also rent a gun for \$20 onsite.

Price:

- Team of 5 (member): \$425
- Team of 5 (non-member): \$500
- Individual (member): \$85
- Individual (non-member): \$100

Register [here](#).

PARTNER EVENT - RMAG/DWLS Fall Symposium

The Rocky Mountain Association of Geologists and the Denver Well Logging Society are teaming up again to present the 2019 Fall Symposium on October 22, 2019 at the Sheraton Denver West! The technical program will be organized topically and will attempt to provide cross-disciplinary collaboration between our two societies.

Event Details:

- Registration includes a light breakfast and catered lunch. A reception will follow the talks.
- Online registration closes October 16, 2019
- Day-of event registrations will be available unless the event sells out. You may register for this event at the door for \$275. Payment for day of event registrations must be received at the door. Cash, credit cards, and checks are accepted. Course materials will be available as a PDF download. Day of event registrants will be given a link to download the PDF. Please bring a device to download the PDF. Day-of-event registrations are non-transferable and non-refundable.

Registration, Sponsorship Opportunities, and more details can be found [here](#).

PARTNER EVENT - SPEE Luncheon

Join SPEE for their October Luncheon Meeting featuring Dr. W. John Lee - Texas A&M

Dr. Lee's presentation is titled: Are All Those Bad Things They're Saying About Our Production Forecasts in Unconventionals True?

Details:

- Date: October 24, 2019
- Time: Lunch - 11:30am
- Location: Denver Athletic Club - 4th Floor Ballroom 1325 Glenarm
- Cost: \$30

Abstract: Amid the recent slump in E&P stocks, there have been a number of articles about tight oil forecasts. Everyone from individuals on LinkedIn to Wood Mackenzie and the Wall Street Journal have been weighing in on the quality of what are essentially reservoir engineering analyses. What is the reality? Do we know enough about these reservoirs to predict 5-year performance, much less 30-year performance? Dr. Lee will give an overview of both the truths and fictions behind those critiques.



Bio: John Lee is Professor of Petroleum Engineering at Texas A&M University. John holds BS, MS and PhD degrees in chemical engineering from the Georgia Institute of Technology. He worked for ExxonMobil early in his career and specialized in integrated reservoir studies. He later joined the Petroleum Engineering faculty at Texas A&M, and became Regents Professor of Petroleum Engineering. While at A&M, he also served as a consultant with S.A. Holditch & Associates, where he specialized in reservoir engineering aspects of unconventional gas resources. He joined the University of Houston faculty in September 2011 and held the Cullen Distinguished University Chair until September 2015. He served as an Academic Engineering Fellow with the U.S. Securities & Exchange Commission (SEC) in Washington during 2007-8, and was a principal architect of the modernized SEC rules for reporting oil and gas reserves. John is the author of four textbooks published by SPE and has received numerous awards from SPE, including the Lucas Medal, the DeGolyer Distinguished Service Medal and Honorary Membership. He is a member of the U.S. National Academy of Engineering and the Russian Academy of Natural Sciences.

Register [here](#).

PARTNER EVENT - DERL Night at the Library

Join SPE, RMAG, SEPM, DERL, AIPG, at the Denver Earth Resources Library

Night at the Library



Join us for a special
associations gathering!

The American Institute of Professional Geologists, Denver Earth Resources Library, Denver Well Logging Society, Rocky Mountain Association of Geologists, Society for Sedimentary Geology, and Society of Petroleum Engineers are hosting an associations gathering at DERL. Enjoy FOOD, DRINKS (including a surprise cocktail!), and CONVERSATION--all in the library!

Free and open to all!

**OCTOBER 30, 2019 | 4PM-7PM | 730 17TH ST., DENVER
(corner of 17th & Stout - in the basement)**

PARTNER EVENT - SPE Permian Basin

STIMULATING CONVERSATIONS BETWEEN THE FIELD AND OFFICE FOR 25 YEARS

Co-Hosted by the SPE Permian Basin Section



Carbon Management: New Thinking
 CO₂ Flood Field Trip to SACROC
 Natural Transmissive Fracture Short Course
 US and International CO₂ EOR Case Histories
 Cyclic Gas Injection (Data Rich) Session
 650 Well Horizontal Play Update

DECEMBER 9-13, 2019

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