



Los Angeles Basin Section

Los Angeles Basin Section Society of Petroleum Engineers

Recipient of the SPE President's Section Award for Excellence & a SPE Gold Standard Section

A Message from the Chair

SPE Distinguished Lecturer IN PERSON November 8th Meeting at The Grand, ExxonMobil/Shell San

Joaquin properties sold, Europe Natural Gas, Seeking BOD Nominees



Dear Colleagues,

SPE LA Basin finally had our first official meeting in person! Many of you missed a great and relevant talk by Bo Lu on Rockwater's

method for using microbes to stimulate mature fields, be sure not to miss out on the **November SPE Distinguished Lecturer** in-person meeting at the Grand in Long Beach. This month has seen big news locally and abroad as the ups and downs in our industry present themselves.

ExxonMobil and Shell have confirmed in press releases, the sale of their AERA's assets in the San Joaquin Valley; read them here [Shell](#) and [ExxonMobil](#). The sale of AERA to German asset manager IKAV was [reported to be worth](#) \$4 billion and will transfer [over 23,000 wells](#) of which nearly 9,000 are apparently idle; IKAV also owns natural gas, wind, solar, and geothermal assets. I did not see anything official, but another Bakersfield-area company, Berry Corporation, is also [exploring the sale of its California Assets](#). In Europe, natural gas supplies saw a huge dip as Russia has reduced supply during the war on Ukraine while European governments also [agreed to reduce their demand](#). As Europe continues to plan for a winter with reduced Russian supply it is now

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DL IN PERSON

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LASPE Website

[connect.spe.org/
LosAngelesBasin/Home](http://connect.spe.org/LosAngelesBasin/Home)

**The LASPE Technology IN-PERSON Luncheon Meeting
will be Tuesday November 8th at 11:30AM, at The Grand, in Long Beach for:
"An Examination of the Effects of Surface Data Acquisition Methods on Well
Performance Evaluations and Completion Optimization"
by Darryl Tompkins, *Distinguished Lecturer***

SEE PAGE 3 FOR DETAILS

dealing with [natural gas oversupply](#), so much so that European LNG terminals are nearly full and [ships are queueing to unload](#) causing huge [price drops over peaks](#) seen earlier this year. The International Energy Agency (IEA) believes these changes with Europe abandoning Russian gas supply are permanent and has declared that [Russia will lose the energy battle](#) with Europe.

The SPE October meeting had a lower turnout than I had hoped for, but it was still great having our Board of Directors meeting in person followed by the technology luncheon at the Grand in Long Beach. Make sure to join us in November!

The SPE November meeting will also be held at the Grand in Long Beach on November 08, 2022 and will be this season's **only in-person Distinguished Lecturer presentation**. The topic is ***An Examination of the Effects of Surface Data Acquisition Methods on Well Performance Evaluations and Completion Optimization*** by Darryl Tompkins. **Please make your reservation with Ted Frankiewicz ASAP via email to tcfrankiewicz@gmail.com** so we can advise The Grand on how much food to prepare.

SPE's Board of Directors is [seeking member comments](#) on proposed changes to the bylaws related to elections. Be sure to review the proposed changes and provide any input to bylaws@spe.org.

I know it might seem early, but we are making plans for the 2023 LA Basin SPE Scholarship Golf Tournament. We have not confirmed but we are working to get back to the Navy Course in Seal Beach sometime in April 2023.

Finally, SPE LA Basin continues to seek interested professionals to join the board; please email me if you are interested in helping in any capacity.

Sincerely,

Andrew López
SPE LA Basin Section Chair 2020-2023
aslopez@burnsmcd.com



The LASPE Technology **IN-PERSON Luncheon Meeting**
Tuesday NOVEMBER 8th at 11:30 AM,
at The Grand, in Long Beach for:

**Examination of the Effects of Surface Data Acquisition Methods on Well
Performance Evaluations and Completion Optimization**

**Darryl Tompkins, SPE Distinguished Lecturer &
Chief Technology Officer of Revo Testing Technologies**

**\$35 luncheon fee at The Grand
4101 E. Willow Street, Long Beach CA 90815**

**Reservations REQUESTED - Please make your reservation with
Ted Frankiewicz using email tcfrankiewicz@gmail.com**

Abstract:

It is a common practice in the development of wells to change completions designs in an effort to determine which design works best in each area. Quite often a Rate Transient Analysis (“RTA”) of the flowback / early production data is used to evaluate how well performance is affected by changes in the completion design. Many analysts faced with performing RTA struggle to have confidence in the analysis results due to poor quality production data. This presentation shows how different surface data acquisition methods effect the evaluation of well performance using common RTA techniques. Additionally, this presentation will recommend preferred methods of data acquisition and demonstrate how these methods produce less ambiguous results. Superior data quality should be a top priority if a well's performance and/or completion design needs to be evaluated quickly and accurately with RTA of the early production period. Iterative completion optimization can be a waste of time and money if the difference in a well's performance due to changes in the completion design cannot be evaluated quickly and accurately due to poor surface data acquisition methods.

Biography:

Darryl has spent his career working in reservoir, completions, and operations engineering in mature fields, gas storage, and unconventional. He is currently the Chief Technology Officer of Revo Testing Technologies based in Houston TX where he works on developing technologies for unconventional well performance evaluations and production optimization. He is a registered Professional Engineer in the Province of Ontario and he holds a B.Sc. in Mechanical Engineering from the University of Windsor, Canada.

Buffet Lunch featuring

- BBQ Beef Brisket & Oven Fried Chicken
- Classic Cobb Salad & Coleslaw
- Farmhouse Cheddar Mac & Cheese and Baked Beans
- Cookies! Coffee & Tea

MY EXPERIENCE AT THE GEOTHERMAL RISING CONFERENCE (GRC) BY STEVE CHEUNG

In August, I drove to Reno, Nevada, to attend a geothermal energy conference. I wanted to fulfill two of my 2022 resolutions: (a) lifelong learning, and (b) explore energy transition opportunities.

The event took place at the Peppermill Resort Spa Casino in Reno, Nevada. This hotel is the only United States hotel where the heating is provided solely by geothermal energy derived on the immediate property. In 2009, a well was drilled 4421 feet deep next to hotel tower to tap a heat source of 177° F. The well now provides all the heating, some of the cooling, and a small amount of electricity. The well allowed the hotel to get rid of four gas-fired boilers.

The meeting was a great success. The organizers had planned for 700 people and 1,200 people showed up. The exhibition halls, hotel rooms, and field trips were all sold out. It was standing room only at technical sessions, panel discussions, and plenary sessions.

The first event I attended was a one-hour Geothermal 101 session. I learned the fundamentals of geothermal energy, and the various types of geothermal systems. Very informative! The room was packed beyond capacity with people trying to listen from the hallway. When the lecturer asked how many of us were from the oil and gas industry, over 70% of the people raised their hands. I think many of us are looking to find opportunities to use our knowledge and skills in this energy transition sector. I plan to attend this session again next year to soak in more knowledge.

I attended three of the thirteen panel discussion sessions: (a) Opening plenary, (b) Technical Transfer from O&G to Geothermal, and (c) International Plenary Panel. Wow! The rooms were super-packed, with people standing along the walls because all the seats were taken. In the international sessions, I listened to talks about projects in New Zealand, Argentina and Japan.

In addition, there were presentations in many simultaneous technical sessions and about forty 20-minute sponsor-hosted technical presentations. There was just not enough time in the day to attend even ten percent of the presentations. For those who are interested to see the agenda, I have added the link below:

[Schedule at a Glance | Geothermal Rising Conference \(mygeoenergynow.org\)](https://mygeoenergynow.org)

I also visited the exhibition hall several times during the conference. I was happily surprised that the GRC registration included breakfast, lunch, and evening hors d'oeuvres. This was a great way to encourage exhibit attendance. There were over 70 booths, and it was a great opportunity to meet vendors beyond the regular SPE vendors, and network with other attendees in the geothermal energy industry. I also attended a lunch-time outdoor demonstration of a pulse tool for stimulating geothermal wells.

In summary, the event was beyond my expectations. I made many new friends in the geothermal industry in US and all over the world. I was proactive in reaching out to people and eagerly exchanged business cards. I was happily surprised to meet several old friends from SPE. On the first day, I did not know anyone, but I gathered over 100 business cards at the end of the conference.

During the busy three days, I learned about the geothermal energy terminology, the status of existing geothermal systems, the current field trials of new technology, and the challenges and trends of the sector. I realized that all SPE disciplines (geology; drilling; completions; production and operations; reservoir; facilities; data science; health, safety, environmental, sustainability; and management) have applications and opportunities in geothermal energy. The industry is growing and they welcome oil and gas people to collaborate. The conference will take place next year at the same venue and I plan to attend again.

**MY EXPERIENCE AT THE GEOTHERMAL RISING CONFERENCE (GRC)
BY STEVE CHEUNG
CONFERENCE PHOTOS**

**20 Minute
Sponsor-Host
Technical Session**

2:00 PM – 2:20 PM
Geothermal Potential Assessment Through An Integrated And Agile Modeling Solution
Presented by

2:30 PM – 2:50 PM
Geothermal Drilling - when experience counts
Presented by

3:00 PM – 3:20 PM
Eavor's Flagship Demonstration Project in the Western US
Presented by

3:30 PM – 3:50 PM
Advancing Closed Loop Systems for Geothermal Everywhere
Presented by

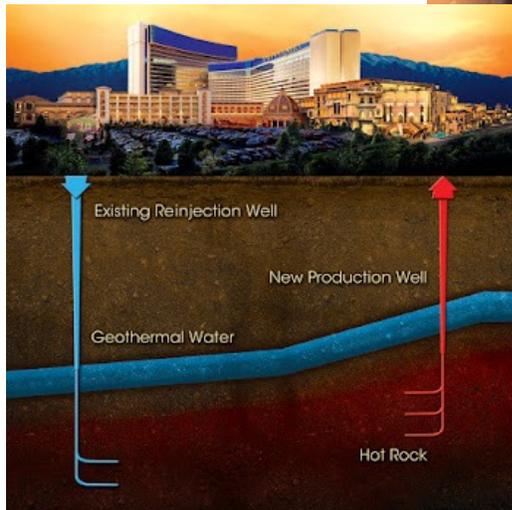
4:00 PM – 4:20 PM
Innovating the Geothermal Development Modus Operandi
Presented by

4:30 PM – 4:50 PM
Reliable Brine ReInjection Control - A Study into Control Valve Design Essentials
Presented by

5:00 PM – 5:20 PM
Presented by

5:30 PM – 5:50 PM
A Supercritical Geothermal Future
Presented by

6:00 PM – 6:20 PM
Reducing drilling dysfunction and increasing downhole reliability
Presented by



2022 GEOTHERMAL RISING CONFERENCE • AUGUST 28-31, 2022 • RENO, NV

Technical Session 4E:
Downhole Instrumentation | Conversation with the Oilfield Industry | Geothermal Drilling Technologies

Tuesday, August 30

4:30 PM – 4:50 PM 118: Development of the first Commercial 400°C TPS Logging Tool

4:50 PM – 5:10 PM 285: Innovative Cementing Solutions for Curing Severe Lost Circulation in Geothermal Wells

5:10 PM – 5:30 PM 286: Oilfield Origin; Geothermal Future – The case study of ultra HPHT frac plugs

5:30 PM – 5:50 PM 287: Casing Patches – Expanding from the Oilfield into Geothermal

5:50 PM – 6:10 PM 67: The Feasibility of Repurposing Oil and Gas Wells for Geothermal Applications

6:10 PM – 6:30 PM 218: How abandoned and existing oil and gas wells can help the development of Geothermal Energy

SEEKING NOMINEES FOR BOARD OF DIRECTORS

Society of Petroleum Engineers-LA Basin Section is seeking new nominees for future considerations to serve on the Board of Directors (BOD). If you are interested, or if you have any questions, please contact Vanessa M. Perez at perezv28@gmail.com. Candidates would submit brief biography emphasizing your education, petroleum industry-related activities and previous involvement in SPE local, regional and national programs.

Commitment for this position involves attendance at a one-½ hour monthly BOD meetings. Currently, the BOD meetings are held at 10:30 a.m.-12:00 noon on the second Tuesday of the month at The Grand in Long Beach and held before the monthly SPE Forum. There are ten meetings each year from September through June.

The Board members benefits include making business connections, lifetime friendships, building a career network locally, with SPE members domestically and worldwide, keeping abreast of the latest technologies and authors, learning event planning, and outreaching to improve education in our local communities. Board members are expected to volunteer to be on one or more local committees such as scholarship, science Fair, FSEA, golf, OCEC, LACES, membership, program, etc. It is also expected that the Board members get involved in one SPE national and regional committees such as continuing education, career guidance, editorial, textbook, ATCE, WRM, etc., if called upon to do so.

So, you must familiarize yourself with SPE operations using www.spe.org as a guide, help run the local section and represent the local members in the regional and national SPE affairs. You also need to familiarize yourself with LASPE bylaws given in the section's web site: <https://connect.spe.org/losangelesbasin/aboutus/laspebylaws>. Article V pertains to the election of new directors, etc.

On the last year of your BOD membership, you will be asked to be Vice Chair of the Section, which will qualify you to be a candidate for the Chairmanship of the Section the following year. If elected as the Chair of the Section, you will stay on the Board for two additional years after completion of your Chairmanship as the Junior and Senior Past Chair.

I am looking forward to receiving your bio. If you have any questions, feel free to contact me at perezv28@gmail.com



DISTINGUISHED LECTURERS ONLINE!

Stay informed by watching the [DL Webinars](#) - see below.

Here is the link to the complete selection of over 50 DL Webinars - [click here](#)

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LNG – Changing Quickly

Contains 3 Component(s), Includes Credits

Presented by John Morgan



Diagnosing and Resolving Chemical and Mechanical Problems in Produced Water Treating Systems

Contains 2 Component(s)

Presented by Ted Frankiewicz



Tight Oil Approaches and Technology Gaps - What Works, What Hasn't

Contains 3 Component(s), Includes Credits

Presented by George E. King



Produced Water Management--"Waste to Value"

Contains 3 Component(s)

Presented by Dwyann Dalrymple



A Sustainable Solution to the Climate Change Dilemma—"Eliminate the Flare"

Contains 3 Component(s), Includes Credits

Presented by Ms. Audrey Mascarenhas



Prediction of Oil Asphaltene Behavior based on Fluid Characterization

Contains 2 Component(s)

Presented by Artur Stankiewicz



« 1 2 3 4 5 6 7 8 9 10 11 »



USC STUDENT CHAPTER REPORT

SPE ATCE 2022 Conference Recap:

Twelve members of USC's SPE chapter attended SPE ATCE 2022 held at Houston's George R. Brown Convention Center. More than 5,500 oil and gas professionals from 58 countries turned out for the 2022 Society of Petroleum Engineers (SPE) Annual Technical Conference and Exhibition (ATCE). This was the first in-person ATCE in the US in 4 years. Additionally, a USC alumni reception was held in the Hilton-



USC STUDENT CHAPTER REPORT

Continues

Monthly Scheduled Speakers:

1) Dean Murphy: *“Combocurve Workshop”*

Outline: ComboCurve is the energy operating system that unifies forecasting, type curves, scheduling, reserves, economics, and GHG emissions reporting in an intuitive cloud-based collaborative platform.

-General Meeting - Monday, October 31st, 3 PM - 4 PM PST - Company's startup story, mention internship opportunities, and talk about reservoir engineering topics in general.

-Workshop - Tuesday, November 1st, 3 PM - 6 PM PST - Students will get access to ComboCurve and evaluate a real oil & gas deal. Students will create decline curve forecasts, build type curves, and run multiple economic sensitivities to ultimately arrive at a bid price.

Join Zoom Meeting : **Oct 31, 3-4PM and Nov 1, 3-6PM**

Meeting ID: 337-105-1992

Passcode: SPE_USC



2) Dr. Detlef Hohl: *“How modern machine learning impacts established petroleum engineering”*

Outline: The developments in computer science and computer engineering of the past 40 years have changed petroleum engineering more than any other non-digital technology. The latest wave of ML and AI is upon us, and all PE students and practitioners must acquire the skills to ride it or risk obsolescence. The speaker will use a few recent examples from well technology, pipe and reservoir flow, and SCAL and from asset monitoring and maintenance to explain how ML and AI can both speedup existing workflows and lead to completely new ones in petroleum engineering. Dr. Hohl is the chief scientist for computation and data science with Shell, and is an adjunct professor at Rice University.

Join Zoom Meeting : **Oct 28, 2PM**

Meeting ID: 337-105-1992

Passcode: SPE_USC



SELECTED SPE UPCOMING EVENTS 2022-2023

Date	Title
Nov 8*	Examination of the Effects of Surface Data Acquisition Methods on Well Performance Evaluations & Completion Optimization Darryl Tompkins - DISTINGUISHED LECTURER - IN PERSON PAGE 3
Dec 14*	Repurposing Oil & Gas Wells to Geothermal Wells Arash Dahi Talighani - DISTINGUISHED LECTURER - VIRTUAL
Mar 14 2023	From Digital Rocks to Gigatonne Scale CO2 Storage: Two Revolutions in One Samuel Trevor -DISTINGUISHED LECTURER - VIRTUAL
May 22-25	SPE 2023 WRM Anchorage, Alaska "Energy in Transition"
	* Asterisk * on date indicates a Board of Directors meeting starts at 10:30 AM prior to Petroleum Technology Luncheon. All are welcome to attend.

DEADLINES FOR NEWSLETTER ARTICLE SUBMISSION

Month Published	1st Submission Call	Last Submission Call	No Submissions Accepted After	Newsletter Publish Date
Dec 2022	11/14	11/21	11/28	Dec 1
Jan 2023	12/19	12/26	12/29	Jan 2
Feb 2023	1/16	1/23	1/27	Feb 1



2022 - 2023 LASPE OFFICERS, BOARD & CONTACTS

Name	Position	E-mail
Andrew López	LASPE Chairperson 2020-2023	aslopez@burnsmcd.com
Open	Vice Chairperson	
Robert Schaaf	Past Chair - Board Member	rpschaaf@gmail.com
Francois Florence	Treasurer - Board member through 2022	francois.florence@gmail.com
Vanessa Perez	Secretary - Board member through 2022	perezv28@gmail.com
Ian Johncheck	Board member through 2022	ianJohncheck@gmail.com
Ted Frankiewicz	Board member through 2022	tcfrankiewicz@gmail.com
Steve Cheung	Board member 2021-2024	
Committee Chairs		
Open	Awards	
Ted Frankiewicz	Forum and Program Chair	tcfrankiewicz@gmail.com
JR Smoyer	Golf Tournament Committee Advisor	jr.smoyer@raptorwireline.com
Scott Hara	Community Outreach/STEM	scotthara@yahoo.com
Vanessa Perez		perezv28@gmail.com
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A.B. Gorashi	Training	goras9@aol.com
JR Smoyer	Young Professional	jr.smoyer@raptorwireline.com
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Larry Gilpin	Newsletter & Website Editor / Publisher	Larry@4thForge.com
Steve Shryock	Student Chapter Liaison	sgshryock@aol.com
Steve Cheung	Membership Chair	steveior@yahoo.com
Dr. Jalal Torabzadeh	Student Chapter Advisor - CSULB	jalal.torabzadeh@csulb.edu
	Student Chapter President - CSULB	beach.spe@gmail.com
Dr. Iraj Ershaghi	Student Chapter Advisor – USC	ershaghi@usc.edu
Matthew Davis	Student Chapter President - USC	uscspe@usc.edu mmdavis@usc.edu
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