A Message from the Chair

The WRM coming soon in San Jose this coming April hosted by Golden Gate SPE Section with Student Paper Contest, Regional SPE Awards - Nominate a colleague today! Dan Dudak speaking at Petroleum Technology Luncheon on Regulatory Issues.

Dear Friends and Members of SPE,

The Western Regional Meeting is coming soon. This year it will be held in San Jose, California, April 23-26. The Golden Gate SPE Section is doing a great job organizing the event. There will be panel discussions, exhibits, and many interesting papers presented. The Student Paper Contest will feature outstanding students from both USC and Cal State Long Beach. In addition, Regional SPE Awards will be presented at the Meeting. Nominations for these Awards are open. SPE members can nominate other members just by going onto the SPE web site. Let us see if we can nominate some of our fellow Los Angeles Basin SPE members.

Our speaker at the February 12th Luncheon will be Dan Dudak, Southern District Deputy for the California Division of Oil, Gas and Geothermal Resources (DOGGR). He will be discussing the regulatory issues that DOGGR has its focus. This will be an interesting talk for operating companies as well as the service sector. Please plan to join us.

The next Petroleum Technology Luncheon: “Division of Oil, Gas, and Geothermal Resources Activities” presented by Dan Dudak of DOGGR...more on page 3

PETROLEUM TECHNOLOGY LUNCHEON TUESDAY FEBRUARY 12TH

<table>
<thead>
<tr>
<th>Location</th>
<th>Time</th>
<th>Cost</th>
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<tbody>
<tr>
<td>Long Beach Petroleum Club 3636 Linden Avenue Long Beach, CA 90807</td>
<td>Registration: 11:00 AM Buffet Lunch: 11:30 AM Presentation: 12:00-1:00 PM</td>
<td>$30.00 Members and Non-members Students $10 each</td>
</tr>
</tbody>
</table>
Message from the Chair continues...

As we move forward into 2019, we have seen a small recovery in oil prices. Hopefully this is a good sign of the things to come.

Sincerely,
Robert Schaaf
SPE LA Basin Section Chair 2016-2019
rschaaf@socal.rr.com
Division of Oil, Gas, and Geothermal Resources Activities
presented by Dan Dudak, Deputy Supervisor
with the
California Department of Conservation,
Division of Oil, Gas, and Geothermal Resources (DOGGR)

Abstract
The California Department of Conservation, Division of Oil, Gas, and Geothermal Resources (DOGGR) regulates oil and gas operations in California. Dan Dudak will discuss the current activities and focus of DOGGR. The talk will include both the sub-surface and surface facilities.

Bio
Dan Dudak is Deputy Supervisor with the California Department of Conservation, Division of Oil, Gas, and Geothermal Resources (DOGGR), Southern District, which covers Los Angeles, Orange, San Diego, Riverside, San Bernardino, Inyo, and Imperial counties.

Mr. Dudak has a long history in the energy sector working with the DOGGR in various leadership capacities and with the State Lands Commission in oil and gas leasing, production and development, and as geothermal program lead. Prior to state service, he worked in the private sector for Petroleum Testing Service, Inc. and Earth Technology Corporation’s Environmental Geomechanics Laboratory.

Mr. Dudak holds a geology degree from Illinois State University and is a member of the Geological Society of America, the American Association of Petroleum Geologists, the Society of Petroleum Engineers, the Geothermal Resources Council, and is a Fellow with the Institute for the Advancement of Engineering. He has also served on the boards of LASPE and the California Geothermal Energy Collaborative.
PHOTOS OF THE
PETROLEUM TECHNOLOGY LUNCHEON
JANUARY 8TH

CO2 in the Subsurface - From EOR to Storage
presented by Gary Teletzke of ExxonMobil Upstream Research
- Distinguished Lecturer -
SPE AWARDS - NOMINATE A COLLEAGUE

You know colleagues in your region who deserve to be recognized for distinguished achievement in the oil and gas industry. Motivate your section members to nominate a colleague for an SPE Award at the international or regional level. Some of the major SPE Awards are:

- **Honorary Membership**
- **Distinguished Membership**
- **Anthony F. Lucas Technical Leadership Gold Medal**
- **John Franklin Carll Distinguished Professional Award**
- **Lester C. Uren Technical Excellence Award**
- **Charles F. Rand Memorial Gold Medal**
- **DeGolyer Distinguished Service Medal**
- **Robert Earl McConnell Award**

**New!** Sustainability and Stewardship in the Oil and Gas Industry Award—In 2019 SPE will also recognize outstanding efforts of individuals in the upstream oil and gas industry in promoting and adopting the relatively new concepts of sustainable development. This award will be available at both the regional and international level.

Nominations will be accepted through 15 February 2019 for International Awards & 1 March 2019 for Regional Awards.

Hear what Maria Capello has to say about awards.

Questions? **Email Us**

Learn more about all SPE awards including nominee eligibility and how to nominate.
Thriving Through Change: Innovation, Analytics, and Sustainability

Register by 22 March 2019 to save with early-bird rates!

Don't miss the opportunity to learn about the latest technical development in the areas of technology of significant interest to petroleum engineers at this time at the 2019 SPE Western Regional Meeting. The conference will take place 23–26 April at the capital of Silicon Valley where considerable work in the areas of big data, data analytics, and digital transformation in cooperation with the petroleum engineering community is underway. The event will feature an Awards Luncheon presentation by Shauna Noonan, 2020 SPE President, and a Keynote Luncheon presentation by Todd Stevens, California Resources Corporation.

Quick Links:
- Conference website
- Registration
- Travel & Accommodations
- Technical Program
- Sponsorship Opportunities
- Exhibitor Information

Register by 22 March to save with early-bird rates.
2019 LASPE Community Outreach Program

PLEASE JOIN US at MESA Days starting next month. WE’D APPRECIATE YOUR HELP to encourage disadvantaged students to become engineers. We are partnering with the California Mathematics, Engineering, Science Achievement (MESA) Program at their MESA Day Competitions for over 1,400 High School and Middle School students.

WE NEED VOLUNTEERS to have a fun day judging student projects and competitions, leading and demonstrating science and math-based games and experiments, and giving presentations and panel sessions about engineering and our industry.

Come to one or all four MESA Days. We meet at 8am and your duties will end about 1pm. Continental breakfast and lunch are included, and you will receive our new SPE / MESA sportsack bag.

March 9 Middle School, CSU Long Beach School of Engineering

March 23 High School, CSU Long Beach School of Engineering

Top Three Students in each event go to the Regional MESA Days Competitions against MESA Centers throughout southern California

April 13 SoCal Middle and High School, UC Riverside area

If you are interested in participating in any of the MESA Days, please contact Scott Hara at scotthara@yahoo.com or 626-482-6757 cell.
SPE STUDENT CHAPTER REPORTS

USC-SPE 9th General Body Meeting with Dr. Steve Cheung

On January 22, 2019, we held our 9th General Body Meeting. After a short welcome message from our USC-SPE President, Mr. Steve Cheung was introduced and his talk was on “SPE updates and also on a technical topic related to Inter-well Tracers for Reservoir Characterization”.

Mr. Cheung, a USC alumnus, serves as the Regional Director of the Society of Petroleum Engineers International. He has many years of experience in the Oil and Gas Industry. In the beginning Mr. Cheung pointed out all the exceptional characteristics needed for a successful career and gave valuable advice to our chapter members that will be useful in their future. He continued with his main topic on Inter-well Tracers and provided details on how this technology helped engineers optimize waterflooding and oil in place calculation techniques. During his speech, the Director, engaged the audience to share their opinions on various subjects which made the event even more interesting and unique. Finally, he challenged all the students to participate in the SPE North America Student Symposium which will be held in Houston, on February 2019. He indicated the event will offer a variety of networking and knowledge opportunities. Attendance at this event was 20 students.
Meeting with Senior Vice President, Research & Development at GAF, Dr. Dan Boss

On Wednesday, January 24, leaders from SPE attended a talk on career development given by Dr. Dan Boss. Dr. Boss leads the research and development team at GAF, the world's largest roof coating company, where he oversees dozens of scientists and engineers with a multimillion-dollar research budget. A key takeaway from his presentation was the necessity of placing restrictions, whether that be money or time, on projects to spur innovation and increase efficiency. Dr. Boss is an alumnus of the USC Viterbi School of Engineering.

Petrojan Magazine - Fall 2018 ISSUE

The Fall 2018 issue of Petrojan Magazine was released on December 22, 2018. Petrojan is the USC-SPE magazine where USC students, alumni, and instructors present professional and technical topics pertinent to the interests of the society. The downloadable PDF format of Petrojan was provided to all USC-SPE and USC Mork Family Department members through email.
CSULB-SPE Report

Campus Activities
On January 30th and 31st, CSULB SPE participated in Week of Welcome. This campus wide event is an opportunity for student organizations to showcase themselves and gain new members. In addition to presenting information about the Society of Petroleum Engineers as a whole, CSULB SPE displayed previous events, advertised free membership, and welcomed all majors. Some of the events highlighted included the visit to THUMS Island and guest speakers. Potential members signed up to receive email notifications and were informed about upcoming meetings.

Officer News
Our newest officer, Deanna Ochi, is now serving as the Secretary for the Spring 2019 semester. She is a second year undergraduate studying environmental science and public policy. In her election statement she asserted, “I believe that having a secretary is imperative to maintaining an organized club and can help us review previous meetings.”

February Forecast
February will be the first month of the semester in which our general body meetings will occur. These meetings will take place every first and third Wednesday of the month 4:00 pm - 5:00 pm, starting February 6th, and generally include group discussions and a guest speaker.
Attendance:

Robert Schaaf, Chair, Board Member through 2018  
Bill Sanz, Vice Chair, Board Member through 2020 (not present) – Proxy by Robert  
Francois Florence, Treasurer, Board Member through 2021  
Andrew López, Secretary, Board Member through 2021  
Ryan Kwong, Awards Committee, Board Member through 2020 (not present) – Proxy by Robert  
Brian Tran, Scholarship Committee, Board Member through 2019  
Ted Frankiewicz, Jr Past Chair 2014-2015 and Board Member  
JR Smoyer, Board Member through 2020 (not present) – Proxy by Robert  
Mark Ghann-Amoah, Board member through 2020

Committee Members and Affiliates:

Baldev Gill, Past Board Member, 2018 WRM Co-chair (not present)  
Rick Finken  (not present)  
AB Gorashi, Education Committee (not present)  
Sam Sarem, Membership Committee (not present)  
Steve Shryock, Student Liaison  
Ted Hayrapetian, USC Student Chapter, Secretary  
Alex Walter, CSULB Student Chapter President  
Jalal Torabzadeh, CSULB Faculty Advisor (not present)  
Scott Hara, Outreach Committee  
Vanessa Perez, Outreach Committee (not present)  
Steve Cheung  (not present)  
Cesar Ruiz, CSULB Student Chapter Vice President  
Aaron Perez, CSULB Student Chapter President  
Bennett Wenz, USC

Call to Order – 10:45AM; quorum check

1) Approval of the Agenda  
Robert moved to approve agenda. Francois seconded. Agenda approved.

2) Approval of the Minutes for the Board Meetings held on October 9, 2018  
Brian moved to approve the minutes. Francois seconded. Minutes approved.
3) Actions:
   a) All WRM money has been sorted and the account can now be closed.
   b) Two (2) scholarships recipients have not cashed checks. Ted H, present says he will cash check soon.
   c) Discussed meeting locations again, still up in the air. Parking is a big concern.
   d) Dan Dudak (District Deputy for SC AQMD) has been confirmed for February.
   e) January’s speaker is SPE DL Gary Teletzke. “CO2 in the Subsurface - From EOR to Storage”

4) REPORTS:
   a) Treasurer’s Report – Francois Florence – Francois sent out the November 2018 report.
   b) Program Chair – Robert Schaaf – Today is SPE DL Charles Pope. “Stop, Drop and Circulate, an Engineered Approach to Coiled Tubing Intervention in Horizontal Wells”. We have speakers through February.
   c) Golf Committee – JR Smoyer, Ryan Kwong, Brian Tran, Bill Sanz, Francois Florence, Mark Ghann-Amoah – No update; Mark to follow-up with JR.
   d) Outreach Activities – Scott Hara (not present) – no news.
   e) YP Activities – Robert Schaaf – no news.
   f) Awards Committee – Ryan Kwong (not present) – no news.
   g) Student Liaison – Steve Shryock – Would like a letter for local funds. Steve Shryock is helping draft. (from previous meeting)

5) Student Chapter Reports
   a) USC – Connecting with Glendale City Council. Collaborating with SHPE (Society of Hispanic Professional Engineers)
   b) CSULB – Recap from 2 meetings. THUMS Island visit 11/2. 11/8 Vanessa Peres & Ricky Lee did a Q&A, advice session. 11/15 YP committee nominations. 11/29 Andrew López gave presentation on working and transitioning into a career.

6) Adjournment
   The meeting was adjourned at 11:00 am (Pacific Time Zone).

Respectfully submitted,

Andrew López
Secretary
SELECTED SPE UPCOMING EVENTS 2019

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<tr>
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<th>Title</th>
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<tbody>
<tr>
<td>February 12*</td>
<td>Dan Dudak - Southern District Deputy - California Department of Conservation - Division of Oil, Gas, and Geothermal Resources</td>
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<tr>
<td>March 12*</td>
<td>Med Kamal - Distinguished Lecturer “Conventional and Unconventional Reservoirs - What's In and Out in Today's Pressure Rate Transient Analysis&quot;</td>
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<tr>
<td>April 23-26</td>
<td>WRM 2019 San Jose, California</td>
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<tr>
<td>May 14*</td>
<td>Roy Ledgerwood III - Distinguished Lecturer “Solving the Mystery of Low Rate Penetration in Deep Wells&quot;</td>
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* 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

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<tr>
<th>Month</th>
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<td>June</td>
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<td>5/22/19</td>
<td>5/29/19</td>
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POSITION AVAILABLE

SENTINEL PEAK RESOURCES LLC
Exciting and challenging opportunities await you at Sentinel Peak Resources (SPR) in the Los Angeles Basin and Bakersfield, CA. We are an independent oil and gas company engaged in the activities of acquiring, developing, and producing oil and gas properties primarily focusing on heavy oil development in California.

CURRENT OPPORTUNITIES:

Senior Reservoir Engineer (Los Angeles Basin):
• Minimum of 10 years of reservoir engineering experience, preferably in the oil and gas industry, with a technical proficiency in all areas of reservoir engineering.
• BS in Petroleum or Mechanical Engineering, MS chemical, Petroleum, or Mechanical Engineering Preferred.

HOW TO APPLY:
Submit Resume via email to careers@sentinelpeakresources.com EOE, M/F/D/V SPR does not provide sponsorship. No walk-ins.
POSITION AVAILABLE

http://www.conservation.ca.gov

Job Posting: PROJECT SPECIALIST

JC-123392 - SENIOR OIL AND GAS ENGINEER (SPECIALIST)

Work Location: Los Angeles County – Long Beach
$10,811.00 - $13,536.00
Final Filing Date: 02/28/19

Job Description and Duties:
Under general direction of the Supervising Oil and Gas Engineer of the Special Projects, Investigations, and Reservoir Evaluation Unit, and/or the District Deputy, the Senior Oil and Gas Engineer (Specialist) independently performs highly specialized petroleum engineering work such as reservoir characterization and volumetrics, Original Oil in Place (OOIP), remaining recoverable oil and gas, reservoir surveillance, waterflood performance and optimization, pressure transient analysis, operational economics, fracture gradient analysis, drilling operations, wellbore design and construction, completions, abandonment operations, California Environmental Quality Act (CEQA) compliance, and other specialized engineering work within the Division’s Southern District office. As a technical specialist, the incumbent performs assignments that require the highest degree of knowledge, experience, and skill in hydrocarbon and geothermal reservoir production, surveillance, and technology. The incumbent leads teams, communicates in clear and concise verbal and written styles, manages data efficiently, and presents complex technical concepts and methodologies. The incumbent technically evaluates highly complex issues involving oil, gas, and geothermal reservoir production for oil, gas, and geothermal wells. The incumbent provides specialized evaluation and support to resolve technical challenges in the location, abandonment, and re-abandonment of legacy deserted and/or buried-idle wells. The incumbent performs high level technical support to other Division programs charged with evaluation of proposed and existing oil, gas, and geothermal projects, and assists Associate Oil and Gas Engineers and other staff in the preparation of documents such as operational permits, notices of violation, and orders. The incumbent interprets complex technical information, prepares maps, spreadsheets, statistics, and reports, and conducts reservoir surveillance investigations of suspected damage, such as subsidence, contamination, pollution, and seepage. The incumbent acts as a technical and training resource for all other program activities in the district office, and for the Division statewide. The incumbent monitors and investigates the legality and advisability of certain well operations. The incumbent assists in drafting complex rulemaking processes, developing district policies, and writing technical reference documents.

Special Requirements:
• This position requires a valid driver’s license.
• This position is subject to the Department’s Conflict of Interest Code.

Application Instructions:
Completed applications and all required documents must be received or postmarked by 02/28/19 in order to be considered.

Who May Apply:
If you meet the minimum qualifications and do not yet have list eligibility, you may start the exam/Training and Experience Evaluation by going to the Exam Posting, located at:


Individuals who are currently in the classification, eligible for lateral transfer, eligible for reinstatement, have list eligibility, are in the process of obtaining list eligibility, or have SROA and/or Surplus eligibility (please attach your letter, if available) may apply. SROA and Surplus candidates are given priority; therefore, individuals with other eligibility may be considered in the event no SROA or Surplus candidates apply. Applications will be screened and only the most qualified applicants will be selected to move forward in the selection process.

How to Apply:
If interested, please submit your completed Standard State Application (STD. 678). On your application, PLEASE INDICATE “HRO #184, SENIOR OIL AND GAS ENGINEER (SPECIALIST), PSN # 538-202-3727-XXX”. Applications must be postmarked by the final filing date to be considered.
# 2018-2019 LASPE Officers, Board & Contacts

<table>
<thead>
<tr>
<th>Name</th>
<th>Position</th>
<th>E-mail</th>
</tr>
</thead>
<tbody>
<tr>
<td>Robert Schaaf</td>
<td>LASPE Chairperson 2016-2018</td>
<td><a href="mailto:rschaaf@socal.rr.com">rschaaf@socal.rr.com</a></td>
</tr>
<tr>
<td>Bill Sanz</td>
<td>Vice Chair - Board Member thru 2020</td>
<td><a href="mailto:william.sanz@ecodyne.com">william.sanz@ecodyne.com</a></td>
</tr>
<tr>
<td>Dr. Ted Frankiewicz</td>
<td>Past Chair - Board Member</td>
<td><a href="mailto:tcfrankiewicz@gmail.com">tcfrankiewicz@gmail.com</a></td>
</tr>
<tr>
<td>Ryan Kwong</td>
<td>Board member through 2020</td>
<td><a href="mailto:ryankwong30@gmail.com">ryankwong30@gmail.com</a></td>
</tr>
<tr>
<td>Francois Florence</td>
<td>Treasurer - Board member through 2020</td>
<td><a href="mailto:francois.florence@gmail.com">francois.florence@gmail.com</a></td>
</tr>
<tr>
<td>Andrew Lopez</td>
<td>Secretary - Board member through 2021</td>
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</tr>
<tr>
<td>Brian Tran</td>
<td>Board member through 2019</td>
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</tr>
<tr>
<td>JR Smoyer</td>
<td>Board member through 2020</td>
<td><a href="mailto:jrsmoyer@tigerwireline.com">jrsmoyer@tigerwireline.com</a></td>
</tr>
<tr>
<td>Mark Ghann-Amoah</td>
<td>Board member through 2021</td>
<td><a href="mailto:mark.ghann_amoah@yahoo.com">mark.ghann_amoah@yahoo.com</a></td>
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<table>
<thead>
<tr>
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<tbody>
<tr>
<td>Ryan Kwong</td>
<td>Awards</td>
<td><a href="mailto:ryankwong30@gmail.com">ryankwong30@gmail.com</a></td>
</tr>
<tr>
<td></td>
<td>Forum and Program Chair</td>
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</tr>
<tr>
<td>JR Smoyer</td>
<td>Golf Chair</td>
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</tr>
<tr>
<td>Scott Hara</td>
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<tr>
<td>Dr. Sam Sarem</td>
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<tr>
<td>Dr. Iraj Ershaghi</td>
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<tr>
<td>A.B. Gorashi</td>
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<td>JR Smoyer</td>
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<tr>
<td>Robert Schaaf</td>
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<tr>
<td>Larry Gilpin</td>
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<td>Dr. Jalal Torabzadeh</td>
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<tr>
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<tr>
<td>Dr. Iraj Ershaghi</td>
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<tr>
<td>Ramin Aliyev</td>
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</tr>
<tr>
<td>Dr. Steve Cheung</td>
<td>Regional Director-North America</td>
<td><a href="mailto:stevespe@yahoo.com">stevespe@yahoo.com</a></td>
</tr>
<tr>
<td>SPE International</td>
<td>Contact for Sections</td>
<td><a href="mailto:sections@SPE.org">sections@SPE.org</a></td>
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