

# SPE Mid-Continent Section Newsletter

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Mid-Continent Section



*Society of Petroleum Engineers*

## 1917-Mid-Continent Section-2017



# SPE Mid-Continent Section

## Executive Committee Voting Members

|   |                              |                                      |
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| <b>Chairman:</b><br>David Krueger, P.E., Consultant                         | <b>Phone</b><br>405-201-1513 | <b>E-mail</b><br>d8krueger@gmail.com |
| <b>Vice Chairman (Programs):</b><br>Clint Shaw, McClintok Energy Consulting |                              | clint.shaw@nrg-advisor.com           |
| <b>Secretary:</b><br>Mike Stafford, The University of Tulsa                 |                              | mike-stafford@utulsa.edu             |
| <b>Treasurer:</b><br>Dan Kippenberger, Consultant                           |                              | dkippenberger@aol.com                |
| <b>Directors:</b><br>Betty Felber, Consultant                               | 918-403-9199                 | IORImplement@outlook.com             |
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| Buck Walsh, Consultant  | 918-630-1495                 | bawalsh686@gmail.com                 |
| <b>Past Chairman:</b><br>Lisa Sullivan, Consultant                          |                              | lsullivan6311@gmail.com              |
| <b>Regional Director:</b><br>Zachary Evans, Consultant                      | 304-654-3060                 | zacharyevans@gmail.com               |

## Committee Chairmen Non-Voting Members

|   |              |                                |
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| <b>Newsletter Advertising:</b><br><i>Open</i>   |              |                                |
| <b>Continuing Education:</b><br>Dwight Rychel, Consultant                                       | 918-671-8796 | rychel@cox.net                 |
| <b>Awards:</b><br><i>Open</i>   |              |                                |
| <b>Scholarships:</b><br>Lisa Sullivan, Consultant   |              | lsullivan6311@gmail.com        |
| <b>Memberships:</b><br>Buck Walsh, Consultant   | 918-630-1495 | bawalsh686@gmail.com           |
| <b>Nominations:</b><br>Hap Pinkerton, Halliburton   |              | hap.pinkerton@halliburton.com  |
| <b>IOR Conference 2020:</b><br>Mike Stafford, The University of Tulsa                           |              | mike-stafford@utulsa.edu       |
| <b>Young Professionals:</b><br>Ohm Devani   |              | odevani@cimarex.com            |
| Braydon Riley   |              | braydonjriley@gmail.com        |
| <b>Golf Tourney:</b><br>Nathan Nitchals, MS Energy Services                                     | 918-856-1091 | nnitchals@msenergyservices.com |
| <b>Sporting Clays Tournament:</b><br>Charley Mathis, Thru Tubing Solutions                      | 918-629-5853 | cmathis@thrutubing.com         |

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Voting members consist of the Executive Committee. The Chairman only votes in the event of a tie. A Motion can be voted upon with a Quorum of the Voting Members present. A Quorum consists of five Voting Members present. An affirmative vote will consist of 51% of the Quorum present. Committee Chairmen and in their absence, the Committee Vice Chairmen are encouraged to attend board meetings and provide representation and committee reports. The editor welcomes newsworthy items about SPE members or events. Please provide a **draft to the newsletter editor by the 25th of the month**. Change of contact information requests should be made to SPE in Richardson, TX, 1-800-456-6863, or [service@spe.org](mailto:service@spe.org).

# Chairman's Gavel

David Krueger, 2020-2021 Chairman

Fall is here! Most of you have spent the last 6 months dealing with all the changes required with the country dealing with Covid 19. Some of you have had to deal with Covid in the family. I had a grand-nephew born in Iowa with both mom and dad testing positive for Covid at delivery. Fortunately, all the family is doing well with only minor symptoms.

SPEI has been working on a decision on Distinguished Lecturer (DL) speakers for each section over the last 6 months. The decision was made to have all the speakers do remote presentations using Zoom for the 2020-2021 speaker season. We will have our first DL Speaker Zoom session on October 19th with Paul Craddock having his presentation on "Science of Kerogen: Engineering applications for Shale Exploration & Production". Stay tuned for more information on how to log in to the Zoom session.

The Mid-Continent Section has completed the first IOR Conference in the virtual environment successfully. I want to extend my thanks and gratitude to the members who worked hard, not only in the long hours required, but also in the learning on new software and the execution coordination required to have a successful conference.

Congratulations are also in order for 8 of our section members who have successfully completed 50 years of membership in SPE. Stay tuned for a formal announcement of each of the members.

Hopefully, we will be able to see each other face-to-face in the near future again. In the meantime be safe.

David Krueger

2020-2021 Chairman

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# From Your Editor

Betty Felber, 2019-2020 Editor

Here it is October already. In case you missed it, in September our section hosted the first virtual IOR Conference. Lots of extra work for some in our section. It was a success.

If you want to view any of the papers and question and answer session, you still can view them for six months at [www.peior.org](http://www.peior.org). Lots of IOR for shale reservoirs as well as conventional ones was presented.

Just because we aren't having very many face to face activities doesn't mean we don't have things happening in our section. Take a look at our calendar. See if there isn't some presentation that could help give you another perspective.

Betty Felber  
Editor



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## Calendar of Events

**Monday, October 19, 2020 - Distinguished Lecturer Zoom Presentation** *(see details on page 4)*

**Saturday, October 31, 2020 - HALLOWEEN**

*All SPE luncheons are held at the Summit Club unless otherwise noted - See p7 for more details.*

# SPE Mid-Continent Section

Presentations / Meetings

## OCTOBER 2020

**MONDAY, October 19, 2020**

**Paul R. Craddock | SPE Distinguished Lecturer**

***Science of Kerogen: Engineering Applications for Shale Exploration & Production***

We hope you can join us, and make the most of SPE Distinguished Lecturer– Paul R. Craddock’s virtual visit to our Section.

SPE Distinguished Lecturers are industry experts and outstanding speakers, nominated by their peers, to share their knowledge and expertise on the latest industry trends and technologies with SPE members throughout the world through visits to local sections.

Register at this link <https://www.spe.org/en/dl/schedule/>

After clicking the link above, scroll down to the October 19th Tulsa, Oklahoma event and click on Register Now. If you are not already logged in with your SPE member credentials, you will be prompted to log in. On the next page choose Register Now under the heading Register for Distinguished Lecturer event. After clicking Register Now you will receive a Zoom link by email.

### **Description**

Kerogen is solid, black organic matter in sedimentary rocks. It is the the source of all petroleum and, in organic-rich source rocks, also hosts porosity, influencing storage and transport of petroleum in shale. Despite its importance, kerogen cannot be analyzed by traditional laboratory techniques, such as gas chromatography used to study oils, and the composition and properties of kerogen are not well understood in general.

In this presentation, I will describe analytical developments that have advanced the science of kerogen. Recent studies show that kerogen composition and properties vary substantially, and that this variability is highly correlated to the thermal history of the kerogen and is remarkably similar among major oil- and gas-producing shales globally. I will introduce several applications for shale exploration and development that are made possible by this gained scientific knowledge of kerogen. In one application, more accurate and consistent evaluations of shale porosity and hydrocarbon-in-place are

Monthly presentations are being planned for the 2020-21 session. The safety of our members is our top priority so in-person scheduling for future events is tentative based on health guidelines in our area as well as availability of meeting venues. Watch for announcements about future meetings and events in this newsletter or by email.

achieved by objectively optimizing petrophysical properties of kerogen needing only knowledge of the thermal maturity of the kerogen. In other applications, kerogen characterization can be used to identify favorable zones for well placement and production as well as new potential enhanced hydrocarbon recovery schemes in shale.

This lecture illuminates the science of kerogen and how it can advance our understanding of industry-disruptive organic-rich shales, from exploration to production.



**PetroWiki**

PetroWiki is a free resource from SPE to answer many basic petroleum engineering and operational questions. SPE professional members can contribute their expertise through updating or adding to PetroWiki content.

<http://petrowiki.org/PetroWiki>

*“Bittersweet October. The mellow, messy, leaf-kicking, perfect pause between the opposing miseries of summer and winter.”*

— **Carol Bishop Hipps**

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