REGISTRATION ANNOUNCEMENT

OCTOBER 5-8   DOUBLETREE BY HILTON
WICHITA, KS

Visit our website http://aapgmcs.org/section-meetings/2019
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WELCOME TO WICHITA

On behalf of the Mid-Continent Section of the AAPG, the Kansas Geological Society, and the Kansas Geological Foundation, it is my honor to invite you to Wichita for the 2019 Mid-Continent Section Meeting.

The oil and gas industry continues to evolve with the combination of new technology and advances in our understanding of complex reservoirs and petroleum systems. As geologists, we understand that technology alone cannot meet the world’s demand for oil and gas. It will take a continued effort to better understand and apply the fundamentals of petroleum geology and the business of oil and gas in order to adequately apply new technologies in a profitable and responsible manner. The 2019 Mid-Continet Section Meeting will focus on the integration of petroleum geology, business and finance, and new technologies going forward.

We have a great lineup of oral and poster presentations, a two-day, pre-convention Mississippian outcrop field trip with a complimenting core workshop, and several excellent workshops/short courses led by some of the best the Mid-Continet has to offer.

There will be plenty of networking opportunities to take advantage of including a Sunday evening ice breaker, Monday All-Convention Luncheon, Monday evening gathering, and Tuesday DPA Luncheon. You won’t want to miss these opportunities to catch up with old friends and make new contacts.

The exhibit hall will be packed with companies showing off their newest ideas and technologies. Enjoy browsing in between talks, luncheons, and social events.

Lastly, I want to extend a sincere thank you to the Organizing Committee for this event. Without their hours of hard work, this event would not be possible. Please let them all know how much you appreciate the hours they’ve volunteered for this meeting.

We’re looking forward to hosting this event!

Regards,

Toby Eck, General Chair
SCHEDULE OF EVENTS

October 3-4  Pre-Convention Field Trip
Meramecian-Chesterian strata of Oklahoma in outcrop and core —
a field trip and core workshop (core viewing Oct 5).
Led by Cory Godwin and James Puckette

October 5   Workshops & Short Courses
Seismic Attributes Short Course led by Kurt Marfurt……8am-5pm
Geochemistry Short Course 8am-5pm

October 6  Workshops & Short Courses, continued
Machine Learning/AI in Oil and Gas 8am-5pm
Digital Borehole Geology Short Course 8am-12pm
Opening Ceremony & Awards Presentation 5pm-6pm
Exhibit Hall Open 5pm-8:30pm
Icebreaker Social 6pm-8pm

October 7  Oral and Poster Technical Sessions Begin 9am-5pm
Exhibit Hall Open 8am-6pm
All-Convention Luncheon w/ Guest Speaker
Dr. Houseknect, USGS 11:30am-1pm

Special Session: Future of the Energy Industry 3pm-5pm
YP/Student & Mentor 'Meet & Greet' 6pm-8pm
Alumni Gatherings 6pm-8pm

October 8  Oral and Poster Technical Sessions, continued 9am-3pm
Exhibit Hall Open 9am-2pm
DPA Luncheon w/ Guest Speaker, John Jordan 11:30am-1pm

Special Session: Black Oil, Red Victory 3pm-4pm
ORGANIZING COMMITTEE

Please join me in thanking the organizing committee for the 2019 AAPG Mid-Continent Section Meeting. Without their hours of hard work, this meeting would not be possible.

Toby Eck, Shakespeare Oil Company, Inc...........................General Chair
Doug Davis, D-EX Production Co........................................Finance
James Beilman, Mull Drilling Company, Inc..........................Sponsorships
Tandis Bidgoli, University of Missouri..................................Technical Program
Franek Hasiuk, Kansas Geological Survey............................Technical Program
Aaron Young, Pickrell Drilling Company, Inc.........................Exhibitors
Larry Richardson, Pickrell Drilling Company, Inc....................Exhibitors
Debra Fitzgerald, Independent Geologist..............................Sponsorships
Cory Godwin, Oklahoma State University...........................Mississippian Field Trip & Core Workshop
Jim Puckette, Oklahoma State University............................Mississippian Field Trip & Core Workshop
Bogdan Michka, AAPG/Webpage Authority...........................Webmaster
Pat Morrison, Betty Hansen, Dotty Schiltz..........................Spouse/Guest Activities
Stephanie Eck, Keller-Williams Real Estate..........................Icebreaker Social
Tyler Selves, Hoss Geosciences.......................................YP/Student & Mentor Get-Together
WORKSHOPS & SHORT COURSES

SHORT COURSE #1

Seismic Attributes as the Framework for Data Integration throughout the Oilfield Life Cycle

Date: Saturday, October 5, 8am-5pm     Instructor: Dr. Kurt J. Marfurt, University of Oklahoma
Fees: Professionals $85        Students FREE (limited to 20)     Lunch Included

Intended Audience
- Seismic interpreters who want to extract more information from their data.
- Seismic processors and imagers who want to learn how their efforts impact subtle stratigraphic and fracture plays.
- Sedimentologists, stratigraphers, and structural geologists who use large 3D seismic volumes to interpret their plays within a regional, basin-wide context.
- Reservoir engineers whose work is based on detailed 3D reservoir models and whose data are used to calibrate indirect measures of reservoir permeability.
- Team leaders who wish to identify advances in machine learning technology that promise improved efficiency and accuracy in the integration of large data volumes.


SHORT COURSE #2

Geochemistry as the most useful tool for evaluating conventional and unconventional Plays

Date: Saturday, October 5, 8am-5pm     Instructor: Dr. Wahid Rahman
Fees: Professionals $85        Students FREE (limited to 20)     Lunch Included

Intended Audience
- Geologists, Geophysicists, Petrophysicists, Petroleum Engineers
- Professionals working both unconventional and conventional plays with any level of experience
- Students

ABSTRACT: http://aapgmes.org/section-meetings/2019/geochemistry-short-course
WORKSHOPS & SHORT COURSES

SHORT COURSE #3

Machine Learning/Artificial Intelligence in Oil and Gas Symposium

Date: Sunday, October 6, 8am-5pm  Instructor: Presented by DPA
Fees: Professionals $100  Students FREE (limited to 20)  Lunch Included

Featured Presenters:
- Patrick Ng, Real Core Energy
- Patrick Rutty, Drilling Info
- Akash Sharma, Drilling Info
- Deborah Sacrey, Auburn Energy
- Susan Nash, AAPG
- Milad Benmaldi, Oklahoma University
- Alec Walker, Delfinsia
- Sashi Gunturu, Petrabytes
- Suni Garg, Datavedik

Intended Audience:
Machine Learning/Artificial Intelligence has been an increasingly popular, yet poorly understood topic in our industry. All who want to keep abreast of the constantly changing technological landscape of our industry will want to catch this informative symposium.

SHORT COURSE #4

Digital Borehole Geology
Sponsored by Richard Leeth and Roger Martin

Date: Sunday, October 6, 8am-12pm  Instructor: Dr. John Doveton
Fees: Professionals $35  Students FREE (limited to 20)

Intended Audience:
- Geologists, Geophysicists, Petrophysicists, Petroleum Engineers
- Professionals interested in learning more from well logs
- Students

MISSISSIPPIAN OUTCROP FIELD TRIP & CORE WORKSHOP

Meramecian-Chesterian strata of Oklahoma in outcrop and core

Field Trip Sponsored by Devon Energy

Core Viewing sponsored by David Barker and Curtis Covey

ABSTRACT: http://aapgmc.org/section-meetings/2019/field-trip

Dates: Thursday, Oct 3-Frida, Oct 4  Instructors: Dr. Cory Godwin & Dr. James Puckette
Fees: $300 Participation Limited to 30!

Can’t make the field trip? You can still sign up for the core viewing! Limited!

STOP 1: Quapaw Quarry (Ottawa Co., OK). Uppermost part of the Moccasin Bend Fm. and Quapaw Lmst. The Quapaw is porous and oil stained. Quapaw and Moccasin Bend fall within the same biozone. Because they represent a shallowing-upward succession they highlight facies control over conodont fauna.

STOP 2: Twin Bridges State Park (Box Lunch) (Ottawa Co., OK). Eat lunch, overview of upper Boone Group strata, and casual look at part of the upper Boone Group. The exposure is along a series of small riverside trails, some of which provide easy access.

STOP 3: Fairland Quarry (Ottawa Co., OK). “Fairland facies” of the Ritchey Fm. (Boone Group) and its unconformable relationship with the Bentonville (Burlington-Keokuk) Fm. and Short Creek Oolite.

STOP 4: Vinita Quarry (Craig Co., OK). Porous and oil-stained Moccasin Bend Fm. (formerly mistaken for Reeds Spring) and the overlying Hindsville Fm. (Mayes Group)

Thursday Evening: Stay at Holiday Inn Express or Hampton Inn, Pryor, Oklahoma
Friday Morning: Meet at 8:45 and drive to Pryor Quarry

STOP 6: Pryor Quarry (Mayes County, OK). This includes multiple stops within the quarry to examine the entire Mayes Group section from the sub-Mayes unconformity (including underlying tripolitic and oil-stained Reeds Spring) through the Fayetteville Shale to the Penn unconformity.

STOP 7: Lunch at JL’s BBQ: Pryor, OK

Drive to Wichita

Saturday evening: Posters and Core Viewing
   Light refreshments and beer
   Review of cores and their relevance to field trip stops

Page 7
Social Events—Everyone is Invited!

Opening Ceremony & Ice Breaker

With Dueling Pianos Entertainment!

Sunday, October 6  5pm—9pm

Join us for a fun evening of networking and browsing the trade show! Enjoy the food and a couple of free drinks as you catch up with old friends and make some new ones along the way.

We will kick things off with a brief opening ceremony followed by an awards presentation. After the formalities, enjoy food, drinks, and the entertainment of Dueling Pianos: a combination of music, comedy, and audience participation in a fast-paced and highly entertaining event! Songs are based completely on audience requests. It will be a sing-along, laugh-along, clap-along party!

INCLUDED FREE WITH YOUR REGISTRATION!

Young Professional/Student & Mentor Get-Together

With Concurrent Alumni Gatherings

Monday, October 7  6pm—8pm

Sponsored by Sal & Shellie Mazzullo and Friends

Young Professionals, students, and seasoned professionals alike are invited to join us for food, drinks, and great company at the YP/Student and Mentor Get-Together Monday evening! This is a great networking opportunity to connect with your next hire or get your shoe in the door for your first internship. We will have musical entertainment of course!

On the other end of the ballroom, alumni gatherings from Mid-Continent Universities will be taking place. Stop in and say hello to your old classmates and professors, and connect with fellow alumni!

BOTH INCLUDED FREE WITH YOUR REGISTRATION! (Please Pre-Register)
**All-Convention Luncheon**

*Guest Speaker, Dr. David W. Houseknecht*

*USGS, Reston, VA*

*Sponsored by David Barker & Wes Hansen*

*Monday, October 7  11:30am—1pm*

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**Cretaceous Revenant in Arctic Alaska – Giant Oil Accumulations Hidden in Plain Sight**

See the abstract at: [http://aapgmcs.org/section-meetings/2019/all-convention-luncheon](http://aapgmcs.org/section-meetings/2019/all-convention-luncheon)

Join us for lunch and Dr. Houseknecht’s talk on some exciting new discoveries in Alaska!

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**Division of Professional Affairs Luncheon**

*Guest Speaker, John E. Jordan, Jr*

*President, AAPG DPA*

*Sponsored by AAPG Division of Professional Affairs*

*Tuesday, October 8  11:30am—1pm*

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**Grey Areas: Interactive Application of Business Ethics in the Geoscience Profession**

See the abstract at: [http://aapgmcs.org/section-meetings/2019/dpa-luncheon](http://aapgmcs.org/section-meetings/2019/dpa-luncheon)

Join us for lunch and John Jordan’s interactive ethics presentation! This will be an entertaining and spirited discussion about the “grey areas”. Make sure to bring a phone that is capable of texting. AAPG will provide all participants with an Education certificate.
Technical Program

Petrophysics, Diagenesis, and Chemostratigraphy of Mid-Continent Plays
   Session Chairs: Karin Goldberg, Kansas State University & Franek Hasiuk, Kansas Geological Survey
   Monday, October 7   8:50 am—2:50 pm

New Stratigraphic and Structural Concepts for Mid-Continent Plays
   Session Chairs: Anthony Walton, University of Kansas & Tandis Bidgoli, University of Missouri
   Monday, October 7   9:00 am—3:20 pm

CO2 Utilization and Storage in Mid-Continent Reservoirs
   Session Chair: Tiraz Birdie, TBirdie Consulting
   Monday, October 7   1:20 pm—3:50 pm

SPECIAL SESSION: Future of the Energy Industry in the 21st Century
   Session Chairs: Shane Matson and/or Doug Davis
   Monday, October 7   3:00 pm—5:00 pm

Advancing Mature Plays Through New Technologies
   Session Chair: Sal Mazzullo
   Tuesday, October 8   9:00 am—10:50 am

Mid-Continent Shale Plays: Woodford, SCOOP/STACK and Beyond
   Session Chair: James Puckette, Oklahoma State University
   Tuesday, October 8   1:20 pm—3:30 pm

Wastewater, Seismicity, and Other Challenges for Mid-Continent Production
   Session Chairs: George Tsotflias, University of Kansas & Scott Ausbrook, Arkansas Geological Survey
   Tuesday, October 8   8:50 am—2:20 pm

SPECIAL SESSION: Black Oil, Red Victory: The Impact of Petroleum on the Eastern Front in World War II
   Session Chair: Dr. Tom Schafer, Fort Hays State University
   Tuesday, October 8   3:00 pm—4:00 pm
We’re looking forward to seeing you here!

Please take the time to register now by filling out the following page and returning with payment to:

Kansas Geological Society
Attn: AAPG Registrations
212 N. Market St., Ste. 100
Wichita, KS 67202

Or email to:

frontdesk@kgslibrary.com

Need to register multiple people? You can download a pdf of the registration sheet online at:

http://aapgmcs.org/section-meetings/2019/registration-instructions

Should you have any questions or concerns, please feel free to contact us using the information found on our meeting website.  http://aapgmcs.org/section-meetings/2019

At the time of publishing, there are a few exhibitor spaces remaining, and we can always create advertising spaces. If you would like to take advantage of the excellent exposure that exhibiting/advertising at AAPG Conventions provides, please visit our website for more information.
# Students are Free!

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<tr>
<th><strong>2019 AAPG Mid-Continent Section Meeting Registration</strong></th>
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Please print this form, fill out, and mail or email to:

**Kansas Geological Society**
**212 N. Market, Ste. 100**
**Wichita, KS 67202**

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<td>General Registration</td>
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<td>Students (see instructions)</td>
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<td>Spouse/Guest Registration (requires 1 general registration)</td>
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**Short Courses**  
STUDENTS ARE FREE!

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<td>Seismic Attributes (All-day 10/5; lunch included)</td>
<td>$85</td>
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<td>Machine Learning in Oil and Gas (All-day 10/6; lunch included)</td>
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<td>Geochemistry Short Course (All-day 10/5; lunch included)</td>
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<td>Digital Borehole Geology (8am - noon, 10/6)</td>
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<td>2-Day Pre-Convention Mississippian Field Trip (10/3-10/4) Space Limited!!</td>
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<td>Core-Viewing Mixer (10/5, Included w/ Field Trip Regist.) Space Limited!!</td>
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**Social Events**

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<td>All-Convention Luncheon (11:30 - 1pm Monday)</td>
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<td>YP/Student &amp; Mentor ‘Meet and Greet’ (Monday evening; must pre-register!)</td>
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<td>DPA Luncheon (11:30 - 1pm Tuesday)</td>
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Spouse/Guest Name for Badge ___________________________  TOTAL ___________________________

**Payment Information**

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(checks payable to Kansas Geological Society)

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Authorized Signature

List any special needs (dietary, accessibility, or other)______________________________

Emergency Contact______________________________
**Venue Information & Accomodations**

*DoubleTree by Hilton*

2098 S. Airport Rd, Wichita, KS 67209

**Take advantage of discount rates by using the ‘AAPG Annual Convention’ Room Block**

Online link available at:
http://aapgmcs.org/section-meetings/2019/hotel-instructions
REGISTER NOW!

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Details Inside