

2025 Eastern Section AAPG Meeting – Schedule

Registration & Continental Breakfast

8:00 AM – 9:00 AM

Opening Remarks & Morning Talks (3) - *Regional studies*

9:00 AM – 10:30 AM

Break

10:30 AM – 10:45 AM

Mid-Morning Talks (3) - *Subsurface energy studies*

10:45 AM – 12:15 PM

Lunch & H&A Session

12:15 PM – 1:30 PM

Afternoon Talks (3) - *Ordovician rocks*

1:30 PM – 3:00 PM

Break

3:00 PM – 3:15 PM

Closing Talks (3) – *Application of Innovative Techniques*

3:15 PM – 4:45 PM

Opening Remarks & Morning Talks - *Regional studies*

[9:00-9:30](#)

D. Randy Blood (DRB Geological Consulting)

The Upper Kellwasser Event in the Distal Appalachian Basin: How State Core Repositories Unlock Deep-Time Mysteries

[9:30-10:00](#)

Thomas Van Tassel (University of Cincinnati), Carl Brett (University of Cincinnati), Ben Dattilo (Purdue University Fort Wayne), Martin Welych-Flanagan (University of Cincinnati), Chris Waid (Ohio Geological Survey), Erika Danielson (Ohio Geological Survey)

Correlation of Middle Devonian (Eifelian) Sequences and Unconformities in Ohio-Indiana: Implications for Sequence Stratigraphy and Bioevents

[10:00-10:30](#)

Myles T. Moore, PhD (Stratum Reservoir (Isotech), LLC)

Using Hydrocarbon and Noble Gas Geochemical Data to Understand Petroleum Systems, Case Studies from the Illinois Basin and the Appalachian Basin

Break 10:30 AM – 10:45 AM

Mid-Morning Talks - *Subsurface energy studies*

[10:45-11:15](#)

Arkajyoti Pathak, Allison Clark, Shika Sharma (West Virginia University)

Uncovering the hidden role of iron (Fe) in underground hydrogen storage systems

[11:15-11:45](#)

John C. Barton, Shika Sharma (West Virginia University)

High-temperature Geothermal on the Eastern Seaboard: Discerning thermal regimes in the Appalachian Plateau and Valley & Ridge

[11:45-12:15](#)

Tim Vance (Battelle)

Beekmantown and Beyond

Lunch & H&A Session 12:15 PM – 1:30 PM

Afternoon Talks - *Ordovician rocks*

1:30-2:00

Benjamin F. Dattilo, PhD (Purdue University Fort Wayne), D. Randy Blood (DRB Geological Consulting)

Petrographic evidence that Point Pleasant carbonates grew in the basin

2:00-2:30

Shah Bilawal Ali (University of Illinois Urbana-Champaign)

Facies Analysis of the Prairie du Chien Group in the Illinois Basin and Analogous Rocks in Missouri and Kentucky

2:30-3:00

Nate Grigsby (Illinois State Geological Survey, Prairie Research Institute), Ashley Douds (Indiana Geological and Water Survey), Shah Bilawal Ali (University of Illinois Urbana-Champaign)

Petrophysical characterization of the Ordovician Shakopee sands, a new potential target for CCS in the Illinois Basin

Break 3:00 PM – 3:15 PM

Closing Talks – *Application of innovative techniques*

3:15-3:45

Amy Weislogel (West Virginia University), Jonathan Knapp (Hitachi High-tech), Chi Ly (BrukerNano Analytics)

Integrating automated mineralogy into energy geoscience applications in the Appalachian basin

3:45-4:15

Paul McColgan, PhD (McColgan Seismic Interpretation Services, LLC)

Exploring the historic Trenton Field of Indiana using modern seismic methods and attribute

4:15-4:45

Evan Zeller (Battelle Carbon Services)

From Exploration to Sequestration: Leveraging CCS R&D and Oil & Gas Expertise for Essential Operational Services

Poster Session

Allison Clark, Arkajyoti Pathak, and Shikha Sharma (West Virginia University)

Comparative Biogeochemical Responses of Swelling and Non-Swelling Clays to Hydrogen Leakage in Shallow Aquifers

Erica Cope, Beck Benson, Colin McKee, Jasper Bateman, Brooke Boomer, Mia Enders, Ashlyn Felter, Nicky Flores, J. Weston Hepler, Sebastian Hurd, Emma Johnson, Bryson Kolassa, Sam Post, Brooklyn Pry, Shaun Sanders, Reece Taylor, Jason Terzian, Isaac Tripp, Rylun Tunstall, Sarah Wisinski, Thomas A. Hegna (SUNY Fredonia)

Preliminary results from a multiyear project on the Hanover Formation (Devonian) stratigraphy along the Lake Erie shore, western New York

Randall Hunt (Hunt Geophysical)

Accelerating Resource Assessments via Ultra Low-Cost Seismic Data

Chuck Knox (Knox Geological)

Leveraging Remote Sensing Data and Machine Learning for Predicting Petroleum Deposits

Mandolyn Newell (Ohio Natural Energy Institute)

Empowering the Next Generation: The Sociological Impact of Energy Workforce Development Programs

Mike Smith, Janet Haggerty, Timothy Smith, Patrick Gordon, and Christopher Smith (Advanced Hydrocarbon Systems)

Product Drained, Pressure Lost, and Trapped Frac Water Volumes Evaluated Using Child Cuttings Rock Volatiles Analyses

Mindy Thomas (Ohio Geological Survey)

Clinton Core Analysis: Reviving an Old Oil Field Play as CCUS & EOR Gain Momentum

Ryker Tracy (Battelle)

Smarter Literature Reviews: Leveraging Retrieval-Augmented AI for a BOEM Offshore Carbon Storage Impact Assessment