



***Geophysical Society of Pittsburgh  
and the  
Pittsburgh Association of Petroleum Geologists***



**P·A·P·G**

Pittsburgh Association of  
Petroleum Geologists

An AAPG Affiliated Society

[www.papgrocks.org](http://www.papgrocks.org)

***Proudly Presents Tuesday, November 1<sup>st</sup>, 2022  
At Cefalo's Restaurant, Carnegie, PA .***

**Unsupervised Classification Techniques to Update Type  
Curves in the Marcellus Shale.**

***This talk will be presented in-person by:***

***Amanda Trumbo  
Sr. Staff Geophysicist  
Chesapeake Energy Corporation***

One key challenges of mature, unconventional plays is synthesizing large amounts of data at multiple scales (well stage data, logs, maps, and seismic). Machine learning and multivariate techniques are becoming more commonly used to aid in interpretation and optimize development. While there are numerous ways to utilize these techniques, this talk will focus on two unsupervised learning approaches, available in commercial software, and their application to identify and prioritize key subsurface play driver relationships. The outputs will highlight how to streamline combining geologic and geophysical mapping with reservoir and completions analysis to inform and update type curves in the Marcellus Shale, NE Pennsylvania.

***Please RSVP using the registration link on the Geophysical Society of Pittsburgh website at: [www.thegesp.org](http://www.thegesp.org)  
Cost: \$35 Members, \$40 Non-members (\$20 for Students). Meeting Location: 428 Washington Ave, Carnegie, PA 15106  
(412) 276-6600.***



Biography: ***Amanda Trumbo***, Sr. Staff Geophysicist,  
**Chesapeake Energy Corporation**

Amanda Trumbo is a Senior Staff Geophysicist for Chesapeake Energy located in Oklahoma City, OK. She earned a Bachelor's in Mathematics and a Master's in Geophysics, both from the University of Oklahoma. She started her career as a geoscience technician for Devon Energy Corporation in Oklahoma City. Upon completion of her master's degree, she continued at Devon as a geophysicist working the Barnett Shale and Permian Basin. After five years at Devon, she joined Transform Software and Services and a short while later, Chesapeake Energy. During her current nine-year tenure at Chesapeake, she spent the first five years as a member of the reservoir characterization team in Geophysics Technology and currently works in the Marcellus geoscience team. Amanda has experience spanning multiple, onshore US basins and has been published in many industry periodicals

***Tuesday November 1<sup>st</sup>, 2022***

***Agenda:***

***11:15 Door Open/Social Half Hour***

***11:45 pm Lunch Buffet***

***12:00 pm Lecture***

***To receive a CEU certificate from this lecture please contact Bill Harbert***

***This month's lecture will be held at :***

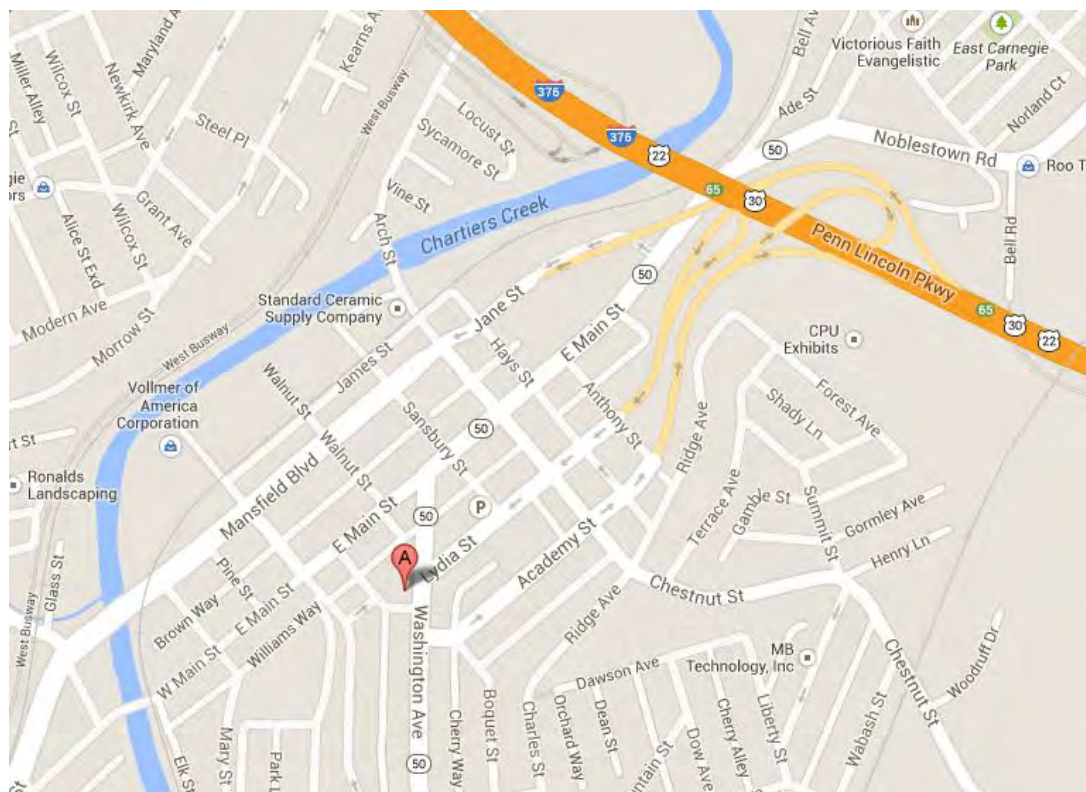
**Cefalo's**

**Banquet & Event Center**

**428 Washington Ave.**

**Carnegie, PA 15106**

**412.276.6600**





# *Sponsorship Opportunities*



The Geophysical Society of Pittsburgh offers sponsorship opportunities. The Society holds bi-monthly luncheon meetings from September to May at various locations around the Pittsburgh area in addition to the Appalachian Basin Geophysical Symposium and golf outing to be held in June.

Since our inception in 2010 our meetings have provided exceptional technical presentations in the field of geophysics. They also provide outstanding networking opportunities for industry professionals working in the Appalachian basin.

Your generous donations will help in the following ways: 1) helping to bring in distinguished lecturers; 2) offsetting part of the cost of the monthly meeting venue; and 3) enabling a Scholarship Program for future Geophysicists to be awarded each year to an outstanding student enrolled in geophysics classes at one of our local universities.

We offer corporate sponsorships at the Gold(\$1000), Silver (\$750) and Bronze (\$500) levels. Your company logo will be proudly displayed during the social hour of each meeting as well as on our website and on meeting announcements. Please note that a secure payment link is now available on our website for your added enrollment convenience.

Please click [HERE](#) to download more information, then return to this page to enroll as a sponsor.

*We would like to thank our 2022-2023 Corporate Sponsors. Please contact Joel Starr if you are interested in sponsoring the GSP*

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**Your Dues and Sponsorship in Geophysical Society of Pittsburgh go toward:**

- *Outstanding Monthly Lecture Series*
- *SEG Distinguished Lecturers*
- *Annual Scholarship Awards*
- *Annual Golf Outing*
- *Short Courses*

Please contact Scott Gorham, Jianli Yang, Joel Starr, or Bill Harbert for Sponsorship Opportunities.

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