



Geophysical Society of Pittsburgh



*Proudly Presents Tuesday, November 3, 2020
Zoom meeting*

The Application of Machine Learning Technology to Formation Evaluation Log Prediction & Earth Model Generation

Gareth Taylor, Quantico.

This talk will focus on the application of machine learning in two areas:

1. The simulation of formation evaluation log curves (DTC, DTS, RHOB) using only Gamma ray and drilling dynamics (EDR) data. A highly cost-effective alternative to wireline logging that can be run in lookback mode or deployed in real-time.
2. Fast (weeks not months), high-resolution earth model building (typically 10ft – 20ft in unconventional plays) with pre-drill and real-time modes of operation. Affording the drilling engineer with “ahead-of-the bit” awareness for enhanced geo-steering purposes, hazard avoidance and operational risk mitigation.

Case studies from unconventional plays will be shown.

Speaker biography: **Gareth Taylor – Quantico Energy Solutions.**

Graduated from the University of Keele, UK in 1978 with a Joint Honors degree in Geology and Geography. In the same year he joined Digicon Geophysical as a seismic processing geophysicist. He next joined CogniSeis Development in 1989 and was appointed VP Far East based in Singapore. He co-founded Rock Solid Images in Houston in November 1998 and ultimately joined Quantico Energy Solutions as Technical Business Development Manager in October 2019.



Quantico was formed in 2014, leverages cutting-edge data science and machine learning technology to drive highly automated workflows deployed as a cloud SaaS solution or through consultation services

*Please RSVP using the PayPal link on the Geophysical Society of Pittsburgh website at: www.thegsp.org
Cost: Free for GSP Members, \$10 Non-members (\$10 for Students)*

Tuesday November 3, 2020

Agenda:

11:50 AM Zoom meeting opens

12:00 Noon Joel Starr will begin the meeting

12:15 Lecture begins

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

We would like to thank our 2020-2021 Corporate Sponsors. Please contact Joel Starr if you are interested in sponsoring the GSP

GOLD



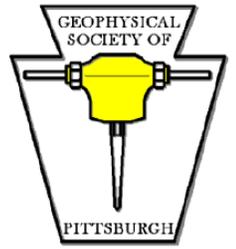
SILVER



BRONZE



Sponsorship Opportunities



The Geophysical Society of Pittsburgh offers sponsorship opportunities. Our monthly meetings occur each first Tuesday of every month beginning in September through May.

Since our inception in 2010, meetings have been very well attended by industry professionals, averaging well over 50 attendees per meeting, peaking at more than 100 for our most highly attended meeting. Not only do our meetings offer exceptional technical presentations in the field of geophysics, but they provide an outstanding networking opportunity for oil and gas 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 a Geophysics program at one of our local universities.

Your company logo will be boldly displayed during the social hour of each meeting on the front screen, as well as on all meeting announcements and on our website. We are offering corporate sponsorship opportunities at several levels this year, as well as opportunities to sponsor our social hour during the meeting. 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.



Geophysical Society of Pittsburgh



The Geophysical Society of Pittsburgh successfully hosted the first Appalachian Basin Geophysical Symposium (ABGS), June 5th 2021 at the Noah's Event Center, Canonsburg PA. The event was a huge success with great speakers covering the latest innovations in geophysical research, technology and perspectives of the Appalachian Basin. We thank all our generous sponsors, speakers and organizers who made this event possible.

The positive feedback received from our community has prompted the GSP board to make the ABGS an annual event. With the addition of this yearly symposium, *it was determined that the monthly meetings should be reduced to a quarterly basis.*

The goals of this change are twofold:

1. Boost attendance numbers at our general meetings;
2. Focus Appalachian Basin centric talks for the ABGS.

Two of the quarterly meetings will occur in the fall and the other two during the spring. The ABGS will still be held around the beginning of June in tandem with the golf outing. This ensures that our members still have the opportunity to network on a semiregular basis.

We hope these changes help enhance the GSP's ability to promote the science of geophysics as well as promote the fellowship and cooperation among its membership. We look forward to seeing everyone at the first meeting this September.

Sincerely,

The GSP Board

2020-2021 GSP OFFICERS

President: Joel Starr

Vice President: Jianli Yang

Treasurer: Brian Lipinski

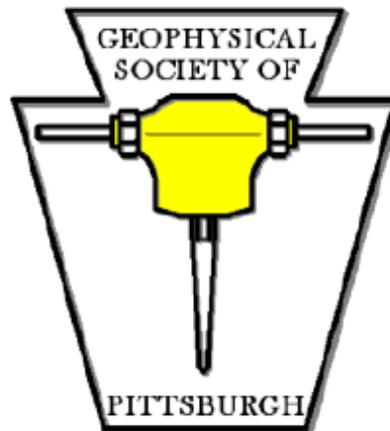
Secretary: Bill Harbert

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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 Joel Starr, Jianli Yang
, or Brian Lipinski for Sponsorship Opportunities.*
