



Geophysical Society of Pittsburgh



Proudly Presents Tuesday, Feb. 6th, 2018

At

Cefalo's Restaurant, Carnegie, PA

Geophysics Applications of Borehole Acoustic Data

Edgar Velez

Schlumberger

Abstract: Acoustic (or sonic) logs are one of the most common logging measurements acquired in the oil and gas industry. A sonic log can measure monopole acquisition or include dipole and Stoneley acquisition. The application of these logs in the industry is very extensive and covers several different domains; for example, it can be used by petrophysicists to estimate formation porosity, and it can be used by geomechanics experts and completion engineers to obtain formation anisotropic mechanical properties. Although one of the first uses of acoustic measurement data was to create synthetic seismograms and ties to surface seismic data, there is oftentimes not a clear understanding of other uses sonic logs can be in geophysical workflows. Thus, this talk will cover some advanced sonic applications, how they can be integrated into the geophysics workflows, review some key acoustic concepts such as log quality control and anisotropy, and show and discuss some examples.



Biography: Edgar Velez is the Acoustics Domain Champion for North America Land leading the application of acoustics tools in the unconventional market. Edgar is a Geophysicist Engineer Graduated with Honors from the Universidad Nacional Autónoma de Mexico (UNAM) in 2002. He joined Schlumberger in 2003 as a junior petrophysicist with the Data Services (DS) team in Villahermosa Mexico and held both technical and management positions in Mexico. In 2008, he was appointed as the Acoustics Domain Champion for the Latin American region with the last two years focusing in unconventional reservoirs based in Argentina. Since 2014 Edgar has held a similar position for North America Land with a strong focus on applications in unconventional reservoirs.

Please RSVP using the PayPal link on the Geophysical Society of Pittsburgh website at: www.thegsp.org Cost: \$35 Members, \$40 Non-members (\$20 for Students), FREE for displaced employees. Meeting Location: 428 Washington Ave, Carnegie, PA 15106 (412) 276-6600.

Tuesday, Feb. 6th, 2018 Agenda:

5:00 pm Social Hour (Beer and Wine) sponsored by:



6:00 pm Dinner Buffet

7:00 pm Lecture sponsored by:

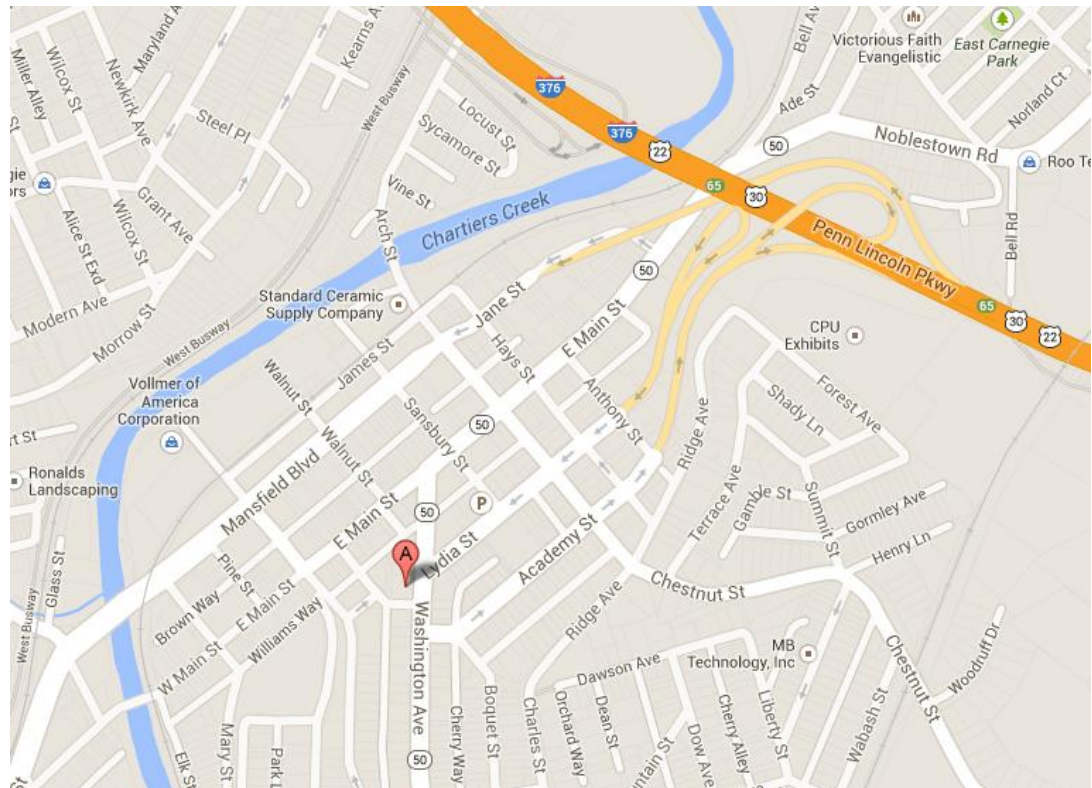
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To receive CEU certificate from this lecture please email: emily.mcclain@williams.com

This months lecture will be held at :

Cefalo's

**Banquet & Event Center
428 Washington Ave.
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412.276.6600**



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