



THE ASCE PITTSBURGH SECTION  
GEO-INSTITUTE CHAPTER PRESENTS  
A JOINT MEETING WITH  
THE PITTSBURGH GEOLOGIC SOCIETY



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**Seismic Modeling & Applications of FD Modeling  
to Rock Physics and Geomechanics**

*Presented by: Mr. Joseph Stefani*

**American Association of Petroleum Geologist/Society of Exploration Geologists  
Inter-Society Distinguished Lecturer**

Mr. Stephani is a Senior Consultant at Chevron Energy Technology Company. He has received degrees in both engineering and geophysics from Cal and Stanford. Mr. Stephani will speak on methods used in building complex earth models (both overburden and reservoirs) and their seismic simulations, emphasizing the challenge to reproduce the appropriate features observed in real data. Questions to consider are the quality of the seismic data that will act as a guide in the model building, and that of the well logs used to quantify the rock physics. Another consideration is the amount of physics to include in the geophysical response simulation, which is a tradeoff between computational load and acceptable characterization of the data features.

A complete abstract of this presentation is available on the American Association of Petroleum Geologist website @ [http://www.aapg.org/education/dist\\_lect/2013-2014/stefani.cfm](http://www.aapg.org/education/dist_lect/2013-2014/stefani.cfm).

Please join us for this joint meeting on **Monday** February 24, 2014, hosted by our Pittsburgh Geologic Society(PGS) colleagues at Foster's Restaurant, Foster Plaza Building 10, Green Tree. Registration for all participants is being offered through PGS. Please refer to the instructions below.

*Attendance at this technical presentation qualifies participants for 1.0 PDH*

**PLEASE RSVP BY Wednesday February 19, 2014.**

Date: **Monday, February 24, 2014**  
Time: 6:00 PM Social (BYOB mixers provided)  
7:00 PM Dinner  
8:00 PM Presentation

Place: Fosters Restaurant  
680 Anderson Drive,  
Building 10  
Pittsburgh, PA 15220  
(412) 919-0881

Cost: \$25 / Person  
\$5/ Students

Registration Options:

E-mail: title "PGS Dinner Reservation"  
to [pgsreservations@gmail.com](mailto:pgsreservations@gmail.com)

Website: using PayPal at:

<http://www.pittsburghgeologicalsociety.org/>

Phone: Steve McGuire (412) 809-6723(cell)