



# SPWLA/SCA SPRING 2012

## BLACK SHALE PETROPHYSICS



*Pittsburgh, PA April 15-18, 2012*

***Application Deadline: February 3, 2012***

The Spring 2012 SPWLA/SCA Topical Conference on Black Shale Petrophysics will cover a range of topics related to evaluating and optimizing development of these challenging unconventional reservoirs.

The conference will consist of three days of presentations and discussions on the topics listed below. It will be held at the Renaissance Hotel in downtown Pittsburgh.

To encourage sharing of the latest techniques and ideas, conference attendance is limited and proceedings are off the record.

A formal application is available at [www.SPWLA.org](http://www.SPWLA.org)

### **Geological Factors Controlling Petrophysical and Engineering Properties**

>>Lithologic variability, Role of natural fractures and structural geology, System permeability, Expulsion features, Diagenesis

### **Physical and Geochemical Properties**

>>Crushed rock core analysis, Measurement standards, Pyrolysis and vitrinite description, Company best practices for core and geochem data, Wellsite cuttings analysis, Mudstream geochemistry

### **Core/Log Integration**

>>Case study examples of shale evaluation, Role of NMR and Elemental Spectroscopy, Electrical properties

### **Wireline and LWD Data in Vertical and Horizontal Wells and the Value of Realtime**

**Information** >>Open-hole well logs, Production logs, Relationship of production to open-hole log response, Importance (or not) of well placement/targeting

### **Organic Matter/Matrix Properties and Their Effect on Shale Properties and Fluid**

**Production** >>Differences between shale oil and gas reservoirs, Micro/Nano-scale observations, Wettability considerations, Digital rock physics of shale reservoirs

### **Geomechanics**

>>Integration of image and dipole sonic logs, Controls on hydraulic fracturing, DFIT analysis, Anisotropy effects, Experimental geomechanics

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### **Steering Committee**

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