



**American Association of Petroleum Geologists Eastern Section Meeting  
September 25-28, 2011  
Hyatt Regency, Crystal City  
Arlington, Virginia**

**PTTC/DOE/RSPEA Gas Shales Workshop  
September 28, 2011**

The Research Partnership to Secure Energy for America (RPSEA) and the National Energy Technology Laboratory (NETL-DOE) have an active, ongoing research program targeting development of unconventional gas in the U.S. Multiple research projects are being performed in the areas of resource characterization, well stimulation and optimization, and environmental issues associated with the development of unconventional gas (shales, tight sands, coal beds) resources.

This workshop offers an ideal opportunity to hear the latest perspectives and exchange ideas with industry experts on many of these topics. The one-day workshop is designed to provide the latest results from the research efforts with a focus on the large and rapidly-developing Marcellus Shale resource. See the agenda for the full line-up of topics to be discussed.

**Agenda**

7:00 a.m. – 8:00 a.m. Continental Breakfast

8:00 a.m. – 8:30 a.m. Welcome and Workshop Overview Dr. Doug Patchen – WVU/PTTC

**The Marcellus Shale Resource and Geology**

8:30-9:15	Petrophysical Characterization of the Marcellus & Other Gas Shales	Dan Soeder, NETL -DOE
9:15-10:00	Marcellus Shale Geology – Contrasts to Other Shales	Dr. Julia Gale - BEG
10:00-10:15	Break	

## Gas Shale Well Hydraulic Fracturing

10:15- 10:45	Marcellus Hydraulic Fracturing	Jordan Ciezobka – GTI
10:45-11:15	Geomechanical Modeling of Hydraulic Fracturing	Dr. Grant Bromhal, NETL- DOE
11:15-11:45	Re-fracturing of Tight and Gas Shale Wells	Dr. Sharma-U of Texas
11:45-12:00	Overflow	
12:00-1:00	<b>Lunch</b>	

## Tight Gas Sand Development

1:00-2:00	Reservoir Connectivity, Mamm Creek Field Comprehensive Tight Gas Sand Field Assessment	Dr. Dag Nummedal, CSM
2:00-2:45	Optimizing Unconventional Gas Development	Dr. McVay-Texas A&M
2:45-3:00	<b>Break</b>	

## Crosscutting Topics

3:00-3:30	Gas Composition and Migration Pathways	Dr. Harris- U. of Alberta
3:30-4:00	Evaluating Potential Risks for Marcellus	Dr. Alexandra Hakala– NETL- DOE
4:00- 4:30	RPSEA Research Project Overview	Charlotte Schroeder – RPSEA
4:30- 5:00	Field monitoring for Baseline Assessments of Potential Environmental Impacts	Rick Hammack & Dr. Natalie Pekney NETL-DOE
5:00	Adjourn	

**There will be a \$xxx registration fee to help offset the cost of the meeting.**