

CALL FOR PAPERS



Division of Energy and Fuels American Chemical Society Symposium

Shale Gas: Resources and Risks

August 19-23rd, 2012, Philadelphia, PA
244th American Chemical Society National Meeting & Exhibition

Call for Papers

Development of natural gas resources in the Marcellus and Utica shales in the Appalachian Basin and other shales elsewhere in the U.S. and the world is of great interest to nations seeking energy independence. However, many questions remain concerning the potential environmental impacts of the production process. This symposium will feature a chemistry-oriented approach to shale gas, including methods for environmentally-friendly production, reducing the toxicity of chemicals used in the extraction process, assessments of the natural geochemistry of the rock and produced fluids, and both potential and documented impacts of shale gas to the health of humans and wildlife. Topics include, but are not limited to:

- Development of shale gas; directional drilling and hydraulic fracturing technology, advances in frac chemical additive formulations.
- Geochemistry of organic-rich shale and formation brines, natural and artificial tracers for produced gases and fluids.
- Potential new uses for natural gas and natural gas liquids from shale.
- Possible environmental impacts of shale gas development on air, water, landscapes, ecosystems and habitat; chemical fate and transport, and chemical receptors.
- Public health and patient/community concerns related to health in close proximity to shale gas extraction.
- Known and suspected human and wildlife exposures related to shale gas extraction, and documented health outcomes
- Advances in air, water and landscape monitoring for mitigation and remediation of potential shale gas chemical releases.

Abstract and pre-print submission due date: April 10th, 2012

Submission of both an abstract and a pre-print are required. Please do this on-line at <http://abstracts.acs.org>

Instructions and pre-print template are available at <http://www.anl.gov/pcs/acsfuel/>

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