**Unconventional Resources Technology Conference, 24-26 July 2017, Austin, Texas, USA**

**Session - Insights From the Marcellus Shale Energy and Environment Laboratory (MSEEL)**

**Depositional Environment and Impact on Pore Structure and Gas Storage Potential of Middle Devonian Organic Rich Shale, Northeastern West Virginia, Appalachian Basin**  
Liaosha Song1, Thomas Paronish1, Vikas Agrawal1, Brittany Hupp1, Shikha Sharma1, Timothy R. Carr1  
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**Application of Fiber-optic Temperature Data Analysis in Hydraulic Fracturing Evaluation--A Case Study in Marcellus Shale**  
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**The Marcellus Shale Energy and Environmental Laboratory (MSEEL): Water and Solid Waste Findings--Year One**  
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**Biogeochemical Characterization of Core, Fluids, and Gas at MSEEL Site**  
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**Marcellus Shale Energy and Environment Laboratory: Subsurface Reservoir Characterization and Engineered Completion**  
Timothy R. Carr1, BJ Carney3, Josiah Akin2, Richard Hammack4, Thomas Wilson1, Shikha Sharma1, Jay Hewitt3, Ian Costello3, Emily Jordan3, Dustin Crandall4, Abhash Kumar4, Erich V. Zorn4, Robert Vagnetti4, Olatunbosun Anifowoshe2, Paul Dickenson2, Asbjoern Johansen2, John Lovell2, Keith MacPhail2, Adrian Morales2, Nathan Roman2, Mandy Thomas2, Malcolm Yates2  
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**Laboratory-Scale Studies on Chemical Reactions Between Fracturing Fluid and Shale Core From the Marcellus Shale Energy and Environmental Laboratory (MSEEL) Site**  
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**Role of Organic Acids in Controlling Mineral Scale Formation During Hydraulic Fracturing at the Marcellus Shale Energy and Environmental Laboratory (MSEEL) Site**  
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**Geomechanics of the Microseismic Response in Devonian Organic Shales at the Marcellus Shale Energy and Environment Laboratory (MSEEL) Site, West Virginia**  
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**Seismic Monitoring of Hydraulic Fracturing Activity at the Marcellus Shale Energy and Environment Laboratory (MSEEL) Site, West Virginia**  
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