



*2014 SEG Distinguished Instructor Short Course*

## **Microseismic Imaging of Hydraulic Fracturing: Improved Engineering of Unconventional Shale Reservoirs**



Society of Exploration Geophysicists  
*The international society of applied geophysics*

***Presented by Shawn Maxwell***

*IMaGE: Itasca Microseismic and Geomechanical Evaluation*

Hydraulic fracture stimulations are critical for the development of unconventional reservoirs, and the growing interest in shale reservoirs has resulted in the rapid expansion of microseismic fracture imaging. This course will provide an overview of microseismic theory and practical application, from acquisition, survey design, and processing through to interpretation. The emphasis will be on practical issues associated with acquisition of high-quality microseismic data, including potential pitfalls and quality control steps. Actual case studies will be used to demonstrate engineering benefits and improved production

*To register or for more information, visit: **[www.seg.org/disc](http://www.seg.org/disc)***