



ASSOCIATION OF ENVIRONMENTAL & ENGINEERING GEOLOGISTS
Serving Professionals in Groundwater, Environmental, and Engineering
Geology

Section Meeting

You are invited to attend the AEG KC/O Section's February 23, 2010 meeting. Rick Miller, Kansas Geological Survey, will be our guest speaker.

Date: Tuesday, February 23, 2010

Time: 5:30-6:30 Registration and Dinner-
6:30 Speaker Presentation

Topic: Detecting Voids with High Resolution Seismic Techniques—Mines, Karst, Tunnels

Speaker: Dr. Rick Miller, Kansas Geological Survey

Cost: \$15/person
Students \$7.50

Location: Kansas Geological Survey, Hambleton Auditorium, 1930 Constant Ave, Lawrence, KS

Hambleton Auditorium is located on the 3rd floor, immediately across from Oil and Gas Records. The 3rd floor is main floor/ground level when entering the building from the upper or main parking lot. All doors will be locked except the Hambleton Hall doors that face the upper or main parking lot.

Eligible for 1.0 Professional Development Hour (PDH) for attending.

For reservations, please call Josh Sales at (913) 385-7299 or email joshuasales@kennedyjenks.com Reservation **deadline is noon February 22, 2010.** To access this information on the internet, please go to our section web page at aeg.vocshop.com.

Detecting Voids with High Resolution Seismic Techniques—Mines, Karst, Tunnels

Voids can represent risks to security, life, and/or property. Subsidence due to deterioration of support structure or under supported roof rock can occur gradually over centuries or catastrophically in seconds. As well, uncontrolled access to underground conduits can jeopardize security or provide avenues for illicit trafficking. High-resolution seismic techniques recently developed at the KGS are being applied to wide range of void detection problems around the US. Experiences and developments over the last year have come from applications in Galena, KS; Frontenac, KS; Hutchinson, KS; San Diego, CA; and San Luis, AZ.

Biography:

Dr. Rick Miller is a senior scientist in the exploration services section of the Kansas Geological Survey in Lawrence, KS. His research interest and expertise are focused on high resolution shallow seismic reflection. Experience in applied shallow reflection research has included study areas in 33 US states and 7 foreign countries. More information about his research can be found at the following website: http://www.kgs.ku.edu/General/Personnel/klm/r_miller.html