ARMA CSM Student Chapter and UNGI extend an invitation to all faculty and graduate students for a unique presentation by Dr. Thomas Doe, Golder Associates on Monday October 22, 2012 12:00 – 1:30 p.m. in Marquez Hall MZ 108. Hope you will be able to join us.

**Dr. Thomas Doe, Golder Associates**  
*Characterizing Fractures for Subsurface Fluid Flow*

This presentation reviews the advances in understanding fluid flow in fractures over the past thirty years for both groundwater and for petroleum industry. The key components have moved beyond research and into commercial applicability. Groundwater and petroleum approaches have moved in separate but parallel paths, but each offers valuable findings for the other.

**Where: Marquez Hall – MZ 108**  
**When: 12:00 noon – 1:30 p.m.**

Pizza and beverages will be served.