



**Association of Environmental & Engineering Geologists
Southeastern Section
Meeting Announcement**

**AEG President Seminar at Georgia Tech
Friday, November 11, 2011**

Topic: Landslide Mapping on Slippery Slopes: Lessons Learned by the North Carolina Geological Survey

Speaker: Jennifer Bauer, P.G., President AEG

Time: 10:00AM to 11:00AM

Place: Mason Building Room 312, 790 Atlantic Dr, Atlanta, GA 30322
Phone: 404-894-2201

Abstract: Mrs. Jennifer Bauer, President of AEG, will be speaking about the North Carolina Geological Survey Landslide Hazard Mapping Program. The Hurricane Recovery Act of 2005 authorized this program after two tropical cyclones passed over the mountains of North Carolina in September 2004, triggering over 400 landslides. In July, 2011, funding for this program was eliminated. The purpose of the program was to create county-level digital landslide hazard maps for use by the public, local governments, and emergency managers to identify landslide hazard areas, and increase awareness of this hazard in western North Carolina. During the course of mapping four counties, the team developed an extensive geodatabase, standardized the mapping process, helped develop an online map viewer to distribute the maps to the public, and responded to landslide events and numerous inquiries from the public concerning landslides. Come learn about the benefits of the mapping program, what was learned about landslides in western North Carolina during the process, and lessons learned from this experience

About the Speaker: Jennifer Bauer has been involved in landslide mapping since November of 2005. Prior to June 30, 2011, she was a member of the Landslide Hazard Mapping Team for the North Carolina Geological Survey (NCGS). In this position she utilized the GIS environment for remote sensing, data collection and interpretation for county-wide map production. Ms. Bauer divided her work time between hiking the mountains of North Carolina to locate and map landslides in the field, analyzing the data and finalizing the maps in the office, responding to landslide emergency events, and doing public outreach. Before joining the NCGS in 2005, Ms. Bauer worked with MACTEC Engineering and Consulting first as a field geologist, and then as construction materials testing laboratory manager. In these positions, she gained a strong background in subsurface investigations and engineering properties of soil, aggregate and concrete, and was exposed to many engineering, environmental, and construction materials testing projects. Ms. Bauer earned her B.S. with Highest Honors in Geology at the University of North Carolina in Chapel Hill in 2001. She is a licensed geologist in North Carolina.