

**Environmental Engineering**

**and Earth Sciences**

**EEES Department Seminar**

**Remediation Strategy to Address TCE Contamination**

**Craig Zeller**

Remedial Project Manager

United States Environmental Protection Agency

Atlanta, Georgia

Craig Zeller is a Registered Professional Engineer and has been a Remedial Project Manager in the Superfund Division of the Atlanta Office (Region 4) of the United States Environmental Protection Agency since 1990. His seminar presentation will discuss the remediation strategy employed to address TCE contamination in groundwater at the CTS National Priorities List (NPL) site in Asheville, North Carolina. A combination of Electrical Resistance Heating (ERH) and In-Situ Chemical Oxidation technologies were utilized to destroy TCE in an approximate 3.1-acre plume above the bedrock interface. A total of 9,000,000 kilowatt-hours and 350,000 pounds of Potassium Permanganate were introduced into the subsurface to achieve a 95% reduction in the TCE concentration as measured from pre- to post-treatment.

**2:30 PM**

**Friday, December 9, 2022**

**Rich Laboratory Auditorium**

***Attendance is mandatory for graduate students enrolled in EES 8610, EES 9610, and GEOL 8610.***