

## CEE 595 – Geotechnical Engineering Seminar

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Friday, March 30, 2018  
11:00AM, Newmark Lab 3310

### Thoughts on 50 Years Underground

*Ronald E. Heuer, P.E., Ph.D.*

#### Abstract

Dr. Ron Heuer will share his thoughts on 50 years of working on some of the most difficult and challenging tunnel and underground construction projects throughout North America and elsewhere. Ron will share interesting underground experiences, places visited and people met along the way. He will also impart his unique perspective on the changes in underground construction practice in the last 50 years and major lessons learned, including:

- the underground is more complex and subtle than we can reliably know in advance
- the consequences of uncertainty and response
- the importance of Geotechnical Baseline Reports and Dispute Review Boards in risk allocation and mitigation of schedule delays and cost impacts

#### Bio

Dr. Heuer is a geotechnical consultant specializing in tunnel construction. A UIUC alumnus (BS '63, MS '65, PhD '71) and former CEE Associate Professor (1975-1978,) he has been working as an independent consultant since 1978. Consulting services include interpretation of geologic information, ground behavior, water inflow, appropriate construction methods and initial support requirements. Dr. Heuer has experience on over 1000 tunnel projects, ranging from a one day study of specific questions at bid time for small tunnels, to many months of involvement during construction of major projects. Dr. Heuer has been awarded the prestigious Beavers Engineering Award, 2008; Moles Non-Member Award, 2014; and UCA of SME Lifetime Achievement Award, 2014.