



The Geo-Institute Embankments, Dams and Slopes Technical Committee will live-stream the session “**Embankments, Dams and Slopes Design and Case Histories**” on Monday, December 2, 2024 from 2pm - 4pm EST. The topics include:

“Pretty Rocks Landslide and Stabilization,” **Scott Anderson and Evan Garish**
This presentation will discuss the rapid Pretty Rocks Landslide in Denali National Park and how it has been characterized and managed during the construction of a 475 ft, launched single-span bridge, to allow reopening of the only road in the park.

“Context-dependent sensitivities and load-resistance duality in soil and rock slopes,”
Bak Kong Low
This presentation will discuss the merits of probabilistic analysis in soil and rock slopes, with some enlightening case histories.

“Geotechnical Laboratory Testing Considerations and Best Practices for Dam and Levee Projects,”
Melissa Setz
This presentation will discuss laboratory soil tests and considerations as they apply to embankment dams/levees and input for geotechnical analyses at dams. Laboratory tests performed at embankment dams that will be discussed will include soil classification, shear strength testing, consolidation testing, and erodibility testing. The webinar will also address essential considerations for the collection, preservation, and transportation of field samples to ensure their integrity for laboratory testing.

“Hurricane Florence Reconnaissance,” **Brian Anderson, Ph.D., PE., F. ASCE**
This presentation will describe the reconnaissance effort implemented after Hurricane Florence in September 2018 that struck southeastern North Carolina and South Carolina. The Geotechnical Extreme Events Reconnaissance Association (GEER) deployed to investigate the resulting hydrology and performance of dams, levees, transportation infrastructure, coastal/waterfront structures, and other observations. This presentation will discuss the perishable post-disaster data that was collected.”