



The Geo-Institute Embankments, Dams and Slopes Technical Committee will live-stream the session *“EDS Extreme Event - Wildfires and Slope Stability”* on Friday, December 12, at 2 PM EST. The talks include:

Talk # 1: *Fire, flood, and mud: Assessing postfire debris-flow hazards across Western U.S.* (Presented by Dr. Jason Kean, U.S.G.S.)

This presentation will discuss post wildfire debris-flow hazards across the Western U.S. including increased runoff, erosion, and debris-flow volume.

Talk # 2: *A Socio-Behavioral Compartmental Model for Wildfire Response* (Presented by Gregory Baecher, Ph.D., NAE, Dist.M.ASCE)

This presentation will discuss the dynamic, real-time nature of public engagement with wildfire hazards. This study leverages crowd-sourced social media data for measuring public wildfire response. The findings offer insights for engineers, policymakers, emergency responders, and risk communication strategies with the increased the frequency and intensity of wildfires, posing risks to communities, infrastructure, and the environment.

Talk # 3: *Vertical Land Motion as a Hazard Multiplier: Amplifying Exposure and Vulnerability to Extreme Events* (presented by Manoochehr Shirzaei, Ph.D., M.ASCE)

This presentation will discuss the evolution of the state of practice in seismic-related functionality criteria for embankment dams and levees, considerations for evaluating and improving performance reliability of embankment dams and levees, and limitations of common seismic analyses that can be compensated for by designing for improved reliability.