

# LIQUEFACTION ASSESSMENT OF GRAVELLY SOILS BASED ON IN-SITU TESTING

THURSDAY, MARCH 27 | 10:00 AM - 12:00 PM PACIFIC | VIRTUAL

**REGISTER**

MEMBERS	\$100
NONMEMBERS	\$200



**DR. KYLE ROLLINS**  
Professor  
Brigham Young University

## Join Dr. Kyle Rollins as he lectures on:

- Gravel liquefaction case histories from around the world
- Advantages and disadvantages of SPT, CPT, DPT, BPT, and Vs for gravel liquefaction evaluation
- Effect of impervious layers on liquefaction susceptibility from numerical analyses
- Comparison of DPT with both CPT and BPT evaluations at sites in New Zealand and Idaho

*Kyle Rollins earned his BS degree from Brigham Young University and his PhD from the University of California, Berkeley. After working as a geotechnical consultant, he joined the Civil Engineering faculty at BYU in 1987, following his father who was previously a geotechnical professor. He has supervised more than 130 graduate students and published over 190 technical papers. His research has involved liquefaction assessment of gravels, ground improvement, lateral resistance of piles and pile groups, passive resistance of bridge abutments, and lightweight cellular concrete. His studies typically involve full-scale testing to determine “ground truth” behavior. Professor Rollins was the chair of the Geo-Institute Technical Committee on Soil Improvement, and ASCE has recognized his work with the Huber Research Prize, the Wellington Prize, the Wallace Hayward Baker Award, and the H. Bolton Seed Medal. In 2009, he was the Cross-Canada Geotechnical lecturer for the Canadian Geotechnical Society. He was recognized as the engineering educator of the year by the Utah State Engineers Council and received a Governor’s Award for Science and Technology in 2017. He also was the lecturer for ASCE G-I’s 2023-2024 Cross-USA Lecture Tour.*