2024 Episode I: EP Webinars by EPs
Next Generation Liquefaction Database and Probabilistic Liquefaction Susceptibility, Triggering, and Manifestation Models
Friday, August 2 | 11 AM – Noon | Zoom

- The Next Generation Liquefaction Project: publicly accessible database and case history processing
- Liquefaction triggering and manifestation model development philosophy: Bayesian framework and profile-based approach
- Laboratory-based triggering model and susceptibility model Bayesian priors
- Liquefaction manifestation models and posterior triggering and susceptibility models and their application

Ken Hudson, PhD, PG
Principal Geoscientist, Hudson Geotechnics
Ken is a specialist in geology, strong ground motions, and engineering seismology. He obtained a BS in Earth Science with emphases in geology and geophysics in 2016 and a MS in geophysics in 2017 from UCSB. Ken began working in the geotechnical consulting industry in 2017 and then began attending courses at UCLA simultaneously in 2018 where he obtained a MS and PhD in Geotechnical Engineering in 2020 and 2023, respectively. He founded a small geotechnical and geologic services consulting firm: Hudson Geotechnics, where he works as the CFO and Principal Geoscientist. As a licensed Professional Geologist in the state of California, Ken has worked on geologic, geotechnical, and seismic design aspects for high-rise buildings, rail transportation systems, hospitals, schools, and other public and private facilities in the greater Los Angeles Area and internationally. He has extensive geologic field experience and expertise in large scale computational and statistical analyses for application in geologic and geotechnical problems. Ken is also currently conducting research in liquefaction triggering and manifestation models as a Research and Development Engineer at UCLA.

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