

SITE CHARACTERIZATION, EXPLORATION, AND IN SITU TESTING

A MODULE IN THE UPDATED RGE EXAM STUDY SERIES

TUESDAY, APRIL 30 | 10 AM – 1 PM | VIRTUAL

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ABOUT THE UPDATED RGE EXAM STUDY SERIES

CalGeo released its 10-module “Geotechnical Engineer License Review Course” in the late 1980s and early 1990s. Starting in Fall 2023, CalGeo has been releasing an update to this much used course through iterative live virtual webinars, each of which will be scheduled for two hours of lecture and one hour of Q&A.

ABOUT THE SITE CHARACTERIZATION, EXPLORATION, AND IN SITU TESTING MODULE

Section 1: Integrated Site Characterization

Section 2: Planning of Work Program

Section 3: Geologic Model and Failure Mechanisms

Section 4: Geophysics

Section 5: Drilling and Sampling

Section 6: In Situ Testing

Section 7: Laboratory Testing

Section 8: Standards and Codes

ABOUT THE PRESENTER

Dr. Jason DeJong is a Professor at the University of California, Davis. Jason is the Director of the NSF NHERI Center for Geotechnical Modeling and the UC Davis lead for the NSF ERC Center for Bio-mediated and Bio-inspired Geotechnics. Prof. DeJong’s major technical achievements have been in the areas of soil and site characterization, biogeotechnics, earthquake engineering, and geotechnical sustainability. Jason has developed or refined several in situ and laboratory tools as well as data quality and correction methods to improve the characterization of difficult soils – soft sediments, intermediate soils, tailings, and gravelly soils. At the project scale, he created an integrated site characterization framework for practice to develop a hypothesis-driven program which streamlines and optimizes industry work, with the goal of cost-efficient and optimized designs that are not excessively conservative and over-designed. Results from his research program have been disseminated through more than 250 publications, and his work has been recognized through awards including the ASTM International Hogentogler Award (2x), ASCE Huber Research Prize, ASCE Casagrande Professional Development Award, and ASCE Prakash Award and through selection as an ASCE Fellow.



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