Jason T. DeJong – Cross-Canada Lecture – Spring 2025

Contact
Professor of Civil and Environmental Engineering
Director of the Center for Geotechnical Modeling
One Shields Ave.
University of California
Davis, CA 95616

jdejong@ucdavis.edu
1-530-754-8995
https://scholar.google.com/citations?user=_plSBaUAAAAJ&hl=en
https://www.linkedin.com/in/jasontdejong/

Biography
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 soil and site characterization, earthquake engineering, biogeotechnics, and geotechnical sustainability. Jason has developed or refined several in situ, laboratory, and modeling tools as well as data quality and correction methods, to improve the characterization of difficult soils – soft sediments, intermediate soils, tailings, and gravelly soils. Results from his research program have been disseminated through more than 250 publications. His contributions have been recognized through the ASTM International Hogentogler Award (2x), ICE TK Hsieh Prize, ASCE Huber Research Prize, ASCE Casagrande Professional Development Award, Prakash Research Award, ICE Telford Premium Prize, ASCE Prakash Award, and as an ASCE Fellow. Jason is actively engaged with industry in implementing research advancements into practice and serving as a technical reviewer for large infrastructure projects.

Presentation Titles
Gravels: Evaluating Liquefaction of Gravelly Soils - The Influence of Soil Gradation on Penetration Resistance and the Dynamic Response of Level and Sloping Ground

Dams: Evaluation and Remediation of Embankment Dams – Insights and Advances Enabled by Centrifuge Modeling

Biogeotechnics: Biogeotechnics as a Catalyst for Innovation – Biocementation Soil Improvement and Its Application to Liquefaction Hazard Mitigation