

Prof. Kenichi Soga

Data-Driven and Physics-Informed Approaches to Geotechnical Infrastructure Resilience: Case studies on Buried Pipeline Infrastructure

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BIOGRAPHY

Kenichi Soga is the Donald H. McLaughlin Chair in Mineral Engineering and a Distinguished Professor of Civil and Environmental Engineering at UC Berkeley. He is also the Director of the Berkeley Center for Smart Infrastructure and a faculty scientist at Lawrence Berkeley National Laboratory. His research focuses on infrastructure sensing, performance-based design and maintenance of infrastructure, energy geotechnics, and geomechanics from micro to macro. He has published more than 500 journal and conference papers and is a co-author of "Fundamentals of Soil Behavior". He is a member of the National Academy of Engineering, a fellow of the UK Royal Academy of Engineering, the Institution of Civil Engineers (ICE), the American Society of Civil Engineers (ASCE), and the Engineering Academy of Japan.