

Seismic Experts at

LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES



Dr. Ramin Golesorkhi, PhD, PE, GE

Director, Earthquake/ Seismic Practice

With nearly 25 years experience in seismic analysis and foundation engineering, Ramin Golesorkhi is responsible for the design of major structures in earthquake-prone California and around the world. He provides engineering consultation for projects involving structures with energy dissipation systems such as dampers and base-isolators, deep excavation, tunneling, foundation support and settlement, vertical and lateral evaluation of pile foundations, stability of earth structures, and seismic soil-structure interaction. Golesorkhi specializes in the evaluation of seismic hazards, ground response analysis, liquefaction potential, and ground improvement techniques.



Four Seasons, San Francisco, CA



One Rincon Hill, San Francisco, CA



John Gouchon, GE, PE

Drawing from more than 25 years of experience, John Gouchon evaluates liquefaction potential and dynamic slope stability and performs probabilistic seismic hazard analyses, deterministic analyses, and ground response analyses to develop site-specific seismic response spectra. He develops scaled or matched time histories for structural analyses. Gouchon has extensive experience performing ground motion studies for hospitals and school projects requiring approval by the Office of Statewide Health Planning and Development (OSHPD) and the California Geologic Survey (CGS).



Dr. Konstantinos Syngros, PhD, PE

Konstantinos Syngros has more than 10 years of experience in earthquake engineering analysis and design. Syngros' practice and research primarily involves site-specific seismic studies, foundation engineering, and dynamic soil-foundation-structure-interaction. His geographic knowledge spans the USA, Saudi Arabia, United Arab Emirates, Iraq, and India to support the design and development of commercial and residential buildings, stadiums, bridges, and critical facilities. He is a member of the Earthquake Engineering Research Institute and the Seismological Society of America.



Alan Poeppel, PE

Alan Poeppel's 20 years of experience involve coordination and supervision of subsurface investigations, establishment and monitoring of geotechnical instrumentation, design of shallow and deep foundation systems, evaluation of earth and rock slope stability, and coordination and supervision of construction inspection services. Poeppel provides oversight for seismic site response analyses, liquefaction screening, retaining walls programming, numerical modeling of piled-raft foundation systems, liquefaction of fine-grained soils, and seismic response of yielding and non-yielding walls. Poeppel's project experience ranges from New York to the Middle East and Southeast Asia.



Ronald Boyer, PE

Ronald Boyer is an experienced geotechnical engineer whose practice involves coordination and supervision of subsurface investigations; design of foundation systems; evaluation of earth slope stability; design and inspection of subgrade improvement applications; and preparation of geotechnical engineering reports and construction specifications. At JFK International Airport, Boyer performed an in-depth seismic analysis using SHAKE software and an Idriss-developed synthetic acceleration time history to determine the site soil's potential for liquefaction. Boyer served as the Project Manager for the geotechnical investigation associated with the \$1.6 billion New Meadowlands Stadium development, for which he prepared a site-specific seismic evaluation.



Linda Liang, PE, GE

Linda Liang has over 12 years of experience providing project management and geotechnical/earthquake engineering services for a wide variety of projects including seismic upgrades for California public schools and hospitals, new buildings, landfills, slope failures, tunnels, and dams. Her seismic experience includes developing design response spectra; performing engineering analyses to evaluate seismic hazards; conducting Newmark-type deformation analyses; executing stress, strain, and displacement studies for structures; and managing field explorations to characterize dynamic properties of soils.



Haze Rodgers, PE, GE

Haze Rodgers manages, develops, and performs geotechnical studies including explorations, analyses, and construction observation for projects throughout the seismically active Northern California region. Rodgers has performed engineering analyses to evaluate soil structure interaction of shoring systems that result from earthquake ground motions; settlement behavior of soil under various loads; bearing capacity for shallow foundations and embankments; lateral and vertical pile capacity; and slope stability and seismic hazards including liquefaction, lateral spreading, cyclic compression, and settlement potential.



Marc Khoury, PE, LEED AP

Marc Khoury is an expert in geotechnical earthquake engineering, specializing in liquefaction assessments, site-specific analyses, and analyses of seismic slope stability, lateral spreading, and dynamic earth pressures on retaining walls. Khoury's research interests include liquefaction of fine-grained soils and seismic response of yielding and non-yielding walls. He is proficient in the use of seismic software such as EZ-FRISK and SHAKE2000.



Matthew Meyer, PE

Matthew Meyer has 19 years of geotechnical engineering and project management experience and has been involved with seismic assessments of sites/projects in Antigua, Puerto Rico, the United Arab Emirates, the East Coast of the US, and Las Vegas. For several years, Meyer routinely performed liquefaction assessments in Charleston, SC, the site of one of the largest earthquakes to have occurred on the East Coast. At JFK International Airport, he performed a site-specific seismic study and later published the results of the study in an American Society of Civil Engineering Geotechnical Special Publication titled "Liquefaction Mitigation at JFK Airport."

