



Irvine, CA | October 24, 2024 | \$35

Purpose & Background:

This workshop provides an overview of best practices for ground improvement in California, focusing on Geopier[®] systems, Rammed Aggregate Piers (RAPs), and seismic design. In seismic regions, liquefaction risk is a significant concern, and this workshop will explore how these methods improve load-bearing capacity, enhance soil stability, and ensure safety. Participants will gain insights into both static and seismic performance through real-world case studies, equipping engineers and project managers with the tools to address the unique challenges of California's construction projects.

Topics Include:

- Comprehensive discussions of static and seismic design requirements for Geopier[®] ground improvement solutions, focusing on installation methods, quality control, and load testing considerations.
- Effective techniques for mitigating liquefaction risks, including exploration of seismic hazard assessments, triggering methods, and performance-based settlement approaches.
- In-depth case studies, such as 3D dynamic modeling for liquefaction mitigation, and examples of Geopier[®] applications in both local and international seismic regions, emphasizing both static and dynamic conditions.

Learning Outcomes:

Participants will understand the static and seismic design principles for Geopier[®] systems, including installation and quality control processes. They will gain knowledge on effective liquefaction mitigation techniques, seismic hazard assessments, and performance-based settlement methods. Attendees will also learn from real-world case studies to effectively implement these solutions in seismic and liquefaction-prone areas.

Registration:

Seating is limited to approximately 30 participants, with registrations taken in the order they are received. Coffee, beverages, and lunch will be provided. Please inform us in advance of any dietary restrictions so we can accommodate them. Please bring a laptop with internet access to connect to Geopier+. After registering, you will receive an email confirmation with additional details on how to access Geopier +.

Please join us at Oak Creek Golf Club for a round of golf immediately after the workshop ends.

Cost: \$35

Location:

Oak Creek Golf Club
1 Golf Club Drive
Irvine, CA 92618
(949) 653-5300

SPEAKERS



Dimitrios Zekkos, PhD
Professor of Civil & Environmental Engineering
University of California, Berkeley



Kord Wissmann, PhD, PE, BC.GE
President
Geopier, A Division of CMC



Yogesh Prashar, PE, GE
Area Manager - West
Geopier, A Division of CMC



Ken Hoevelkamp, PE
Principal Engineer
WGI



Mandro Eslami, PhD, PE
Regional Manager - Inland Empire
WGI



Aaron Bishop, PE
Regional Manager - San Diego & Orange Counties
WGI

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TIME	TOPIC	SPEAKER
8:00 am	Check-In	
8:30 am	Introductions	Dr. Mandro Eslami
8:45 am	Discussion & Technology Overview	Ken Hoevelkamp
9:00 am	How Geopiers Mitigate Liquefaction	Dr. Kord Wissmann
9:45 am	15 min break	
10:00 am	Dynamic Liquefaction Analysis Case History	Dr. Dimitrios Zekkos
10:45 am	Liquefaction Performance-Based Settlement & Post Cyclic Bearing Capacity (2-Layer Model)	Yogesh Prashar
11:15 am	Case Studies	Aaron Bishop & Ken Hoevelkamp
11:45 pm	Discussion & Closing	Dr. Mandro Eslami
12:00 pm	Lunch & Optional Golf Outing at Oak Creek Golf Club Provided by WGI	

Attendees will receive 5 PDH credits.

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