SACRAMENTO CHAPTER

AUGUST MEETING

When: Thursday August 24, 2017 from 6 to 7 pm

Where: Kleinfelder Rancho Cordova Office
2882 Prospect Park Drive, Rancho Cordova

NEWS AND EVENTS

Interested in serving as a chapter officer or working on a committee? Let us know!
(eeri-sacramento@googlegroups.com**)**

Call for nominations for Bruce Bolt Medal deadline October 31, 2017
(https://www.eeri.org/**)**

August 25, 2017 Webinar
BSSC Webinar on Seismic Design of Masonry with the 2015 NEHRP Provisions.
(https://nibsevents.webex.com/)

September 28, 2017 @ 6pm
Speaker: H. Kit Miyamoto, Ph.D.,S.E – Miyamoto International, Inc.
Location: Miyamoto West Sacramento Office
(https://sacramento.eeri.org)

October 26, 2017 @ 6pm
Speaker: Jon Bray, Ph.D. – UC Berkeley
Location: Dinner Meeting TBD
(https://sacramento.eeri.org)

November 30, 2017 @ 6pm
Speaker: Ryan Arba – California Office of Emergency Services
Location: Dinner Meeting TBD
(https://sacramento.eeri.org)

April 26, 2018 @ 6pm
Speaker: Kevin Franke, Ph.D. – Brigham Young University
Location: TBD
(https://sacramento.eeri.org)

Unified Design Method for Piles in Liquefied Soils

Tom Farrell, MS, CE, GE
President and CEO
Farrell Design-Build, Inc.

Traditional design of piles in liquefied soils has typically used downdrag forces to account for the effect of liquefaction on piles. However, recent research by Fellenius and others has indicated that downdrag may be more appropriately accounted for using a neutral plane methodology (Unified Design Method). Research indicates that this methodology may more appropriately represent actual in-situ conditions impacting piles following the onset of liquefaction, and can provide more realistic and less conservative designs. Farrell will present a brief overview of the methodology followed by an in depth look at the details and advantages of the analysis approach.

SPEAKER BIO:

Tom holds Civil and Geotechnical licenses in California and General Engineering Contractors licenses in California, Nevada, and Washington. He received his bachelor of science in engineering at Cal Poly, San Luis Obispo in 1990 and his master of Science in engineering from UC Davis in 1996 – with a focus on geotechnical engineering, liquefaction, and soil structure interaction during earthquake events with the centrifuge under the direction of Dr. Bruce Kutter and Dr. I.M. Idriss. Tom worked as a geotechnical consultant in California and the Bay Area for 10 years before becoming a geotechnical contractor in 1999, and he has over 25 years of experience in geotechnical engineering, foundation engineering, and ground improvement. Tom's interests include being an owner-builder on Farrell's office building and on two personal custom homes, salmon and striped bass fishing, camping, reading historical accounts, and mostly spending family time with Katie his wife, three daughters, and son in El Dorado County.