



Advancements in Seismic Geotechnical Engineering

Friday, May 10, 2019

St. Louis, MO – Millennium Student Center | SGA Chamber (UMSL)

- 8:00 am **Check-in and Final Registration**
Millennium Student Center SGA Chamber (2nd floor)
- 8:45 am - 9:00 am **Opening & Welcome Remarks**
- 9:00 am - 10:00 am **Shamsher Prakash Keynote Lecture**
Performance Based Design in Geotechnical Earthquake Engineering
Dr. W.D. Liam Finn
Professor Emeritus, University of British Columbia
President, Pan-American Engineering and Computing
- 10:00 am - 10:30 am **Break/Refreshments**
- 10:30 am - 12:00 pm **Dynamic Site Response and Liquefaction-Induced Ground Deformation**
Dr. Ahmed Elgamal
Professor Geotechnical Engineering
Associate Dean for Faculty Affairs, Jacobs School of Engineering
University of California – San Diego
- 12:00 pm - 1:15 pm **Lunch Provided**
Millennium Student Center Century Room B
- 1:15 pm - 2:30 pm **Nonlinear soil-Structure-Interaction and Applications for Bridge Systems in Liquefiable Ground**
Dr. Ahmed Elgamal
Professor Geotechnical Engineering
Associate Dean for Faculty Affairs, Jacobs School of Engineering
University of California – San Diego
- 2:30 pm – 3:00 pm **Break/Refreshments**

3:00 pm – 5:00 pm

Session IV – Presentations

Ronaldo Luna, Ph.D., P.E., F.ASCE, D.GE - Saint Louis University

Micropiles Support the “Missing Link” – Understanding load transfer in challenging subgrades

Guney Olgun, Ph.D. - Missouri S&T

Seismic reinforcement of soft clays with deep soil mixing

Brent Rosenblad, Ph.D. - University of Missouri

Geotechnical Application of Ground-based Interferometric Radar Measurements

5:00 pm - 5:30 pm

Student Presentations