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**