



GeoMO 2009

Geotechnical Site Characterization by Seismic Piezocones

May 8, 2009

The seismic piezocone is becoming an often used tool in geotechnical exploration and design. It offers the advantages of rapid continuous soil exploration as well as the development of parameters used for both static and earthquake design. The GeoMO 2009 symposium brings to Missouri University of Science and Technology one of the leading researchers and developers of this technology. This course will provide answers to questions that frequently arise in the applicability and use of this tool.

Schedule:

8:15 am	Check-in and final registration
9:00 am	Opening Remarks
	Overview On Enhanced In-Situ Testing for Geotechnical Site Characterization Strength of Undisturbed Sands by CPT Critical State Soil Mechanics for Dummies Overconsolidation Ratio of Clays by CPTu
Noon	Luncheon - provided
1:30 pm	Reconvene
	Nonlinear Stress-Strain-Strength Response of Soils by SCPTu Application to Shallow Foundation Systems Load-Displacement-Capacity Response of Deep Foundations by SCPTu Soundings Future Directions
4:30 pm	Closing

Course participants will gain familiarity with the concepts and related topics for use in geotechnical and structural engineering. The course includes a full day of lectures, extensive references, notes and pictorial examples of up-to-date methods in site response.

The Lecturer:

Paul W. Mayne, PhD, P.E. is a faculty member in civil engineering at the Georgia Institute of Technology and an international researcher on in-situ testing, geotechnical site characterization, and the evaluation of soil & rock properties. Particular research interests include the cone penetrometer, seismic piezocone, and flat dilatometer with applications towards the evaluation of foundation systems.

Dr. Mayne is an active member of ASCE, ASTM, TRB, USUCGER, DFI, ADSC, CGS, and ISSMGE. He has 33 years experience in geoenvironmental and has served as a consultant on projects in 30 states as well as worked on international projects in Australia, Puerto Rico, Colombia, Canada, and Italy. He is the chair of the international committee on in-situ testing (www.geoforum.com/tc16) and an author or co-author on some 205 publications. Over the past six years, he has developed and delivered a number of continuing education courses on soil & rock properties, in-situ testing, and foundation systems for the FHWA, National Highway Institute, ASCE, Georgia Tech, and other organizations. He has served as co-editor on six books, three technical manuals, and prepared keynote lectures for international conferences & symposia in Egypt (2000), Bali (2001), Lyon (2005), Shanghai (2006), Singapore (2007), and the upcoming ICSMGE (2009), as well as the NCHRP Synthesis 368 on Cone Penetration Testing.

Location

9:00 a.m. to 4:30 p.m., Friday, May 8, 2009
Havener Center, 1346 University Drive
Missouri University of Science and Technology
Rolla, Missouri

Registration

Fee for the workshop is \$150. Registration includes course notes and a luncheon. Attendees will also receive a certificate for six Professional Development Hours.

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Register On-Line at:
<http://geomo.mst.edu>