ASCE
METROPOLITAN SECTION
Geo-Institute Chapter

PRESENTS:
The MET Section
Geo-Institute Lecture

TOPIC:
Geotechnical Site Exploration and GeoEngineering Education Issues in 2012 and Beyond

SPEAKER:
Paul W. Mayne, PhD, P.E.
School of Civil and
Environmental Engineering
Georgia Institute of Technology

AT:
CUNY Graduate Center Recital Hall, New York City
(NE corner of
5th Ave and 34th Street)

WHEN:
Monday, October 15, 2012
Refreshments: 5:30 p.m.
Lecture: 6:00 p.m.
Attendance is free

One PDH is Applied for
free certificates to ASCE members, $10 fee for non-members

For more information, contact Michael Chow at 917-339-9325 or mchow@mrce.com

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LECTURE SUMMARY

The best available program for geotechnical site exploration involves a blend of rotary drilling and sampling operations, laboratory testing, in-situ field tests, and geophysical measurements, all taken within the context of engineering geology. Yet, this is only viable when sufficient funds and time are available, specifically large or critical projects. Thus, for everyday routine site investigations of soils, it is recommended the use of hybrid geotechnical-geophysical methods be adopted by the profession, including the seismic piezocone test (SCPTù) and seismic dilatometer (SDMTà). Both tests provide up to five independent readings with depth, thereby optimizing information gathered on the subsurface materials in an expeditious and economical manner. Of related issue, it is due time to revamp university curricula and textbooks in geotechnics from the current antiquated laboratory-based approach to soil mechanics to a more modern and relevant program. This should emphasis the education of our geotechnical students towards techniques involving the conduct and interpretation of field geophysics and in-situ geotechnical tests.

The Speaker: Dr. Paul W. Mayne has 36 years invested in the geotechnical engineering profession and since 1990 serves as a Professor in Civil & Environmental Engineering at Georgia Tech. His research program focuses on in-situ testing, site characterization, foundation systems, and soil & rock properties. Paul is the chair of ISSMGE Technical Committee on In-Situ Testing. He has written over 250 publications, including the 2006 James K. Mitchell Lecture, 2007 NCHRP Synthesis on Cone Penetration Testing, 2009 SOA-1 on Geomaterial Behavior for 17th ICSMGE-Alexandria, and 2012 SOA on In-Situ Testing for the ASCE GeoCongress-Oakland. Dr. Mayne began his career as a lab rat at Cornell University circa 1976 and has evolved into a field mouse over his professional career. He is married with one daughter and plays bass guitar.

Upcoming Geo-Institute Chapter Events:

- Tuesday, November 13, 2012 – Mueser Rutledge Lecture – **Protection of Foundations from Construction and Traffic Vibrations, Professor Christos Vrettos**
- January 2013 Kapp Dinner/Lecture
- Thursday, February 14,2013 – TBD
- Thursday, March 14, 2013 – GZA Lecture
- Thursday, April 11, 2013 – William Barclay Parsons Lecture
- Thursday, May 16, 2013 – One-day Seminar