



North American Chinese Geotechnical Engineers Association

2 Ada, Suite 250, Irvine, California 92618; Tel: 949-727-4466; Fax: 949-727-9242;
Website: www.nac-gea.org EIN: 27-0835587 (IRS 501c3 Organization)

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12th NACGEA Geotechnical Workshop

Friday June 1, 2012, 12:00pm-4:35pm

A-Level Los Angeles Room, Los Angeles Department of Water and Power
111 North Hope Street, Los Angeles, CA 90051, Ph: 213-367-0942

AGENDA:

- 12:00pm-1:00pm Lunch and Networking
1:00pm-1:15pm Opening Remark and Sponsors' Speeches

1) Keynote Presentation (1:15pm-1:55pm) – **\$1.7 Billion I-15 Corridor Expansion Design-Build Project – A Case History, Provo, Utah**, Invited Speaker: **Mr. James M. Schmidt, PE, PEng, D.GE**, Vice President & Senior Principal Geotechnical Engineer, Kleinfelder West, Inc., Colorado Springs, CO

2) Keynote Presentation (2:00pm-2:40pm) – **Mechanism of Seismic Failure of Soil-Nailed Walls**, Invited Speakers: **Dr. Mladen Vucetic**, Professor, University of California Los Angeles, CA .

2:45pm – 3:05pm **Coffee Break**

3) Keynote Presentation (3:05pm-3:45pm) – **Geotechnical and Seismic Aspects of the Headworks Reservoir Project**, Invited Speaker: **Dr. Martin B. Hudson, PE, GE**, Chief Engineer, AMEC (formerly MACTEC), Los Angeles, CA.

4) Keynote Presentation (3:50pm-4:30pm) – **Seismic Design Innovations of SFPUCs Hayward Fault Crossing**, Invited Speaker: **Mr. Tom Frisher, PE**, Infrastructure Department Manager, URS Corporation, San Francisco, CA.

5) Closing (4:30pm-4:35pm)

Online Registration: \$45 regular; \$25 for Government Employees/Students. Walkin: \$55

RSVP: Please make online reservation by click or copying the following web address:

<https://docs.google.com/spreadsheet/viewform?formkey=dGlnZVRPaIFXT25fMIRNRFczRmhnNmc6MQ>

Prestigious Workshop Speakers (Per Speaking Sequence)



Mr. James Schmidt, PE, D.GE
VP, Kleinfelder West, Inc.



Dr. Mladen Vucetic
Professor, UCLA



Dr. Martin Hudson, PE, GE
Chief Engineer, AMEC



Mr. Tom Frisher, PE
Infrastructure Department
Manager, URS



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Prestigious Speakers for the 12th NACGEA Workshop



**Mr. James Schmidt, PE,
PEng, D.GE**

**Vice President & Senior
Principal Geotechnical
Engineer, Kleinfelder**

Jim has over 29 years of experience as a geotechnical and environmental engineer. He has provided technical expertise and has managed hundreds of projects ranging from small commercial and residential developments to large industrial facilities, power substations, airport expansions, and landfills. Jim's geotechnical management experience consists of a wide variety of studies that have included inventories of soil, geologic, seismologic, and hydrologic conditions. His management experience includes a wide variety of geotechnical studies with particular emphasis on commercial and municipal buildings; airport terminals, taxiways, and runways; pulp/paper mills; regional shopping centers; warehouse, office, and distribution facilities; and port and waterfront developments. Jim's areas of technical expertise include evaluating criteria for design and construction of driven and auger-cast pile foundations, high capacity pavements, slope stabilization, soil nail design, liquefaction evaluation, and excavation support.

Jim has performed the duties of lead quality assurance director for major projects and has lead quality assurance task forces in developing company quality standards. He has performed the duties of regional quality assurance officer implementing company quality assurance procedures. .

Prof. Mladen Vucetic research interest and research conducted: (a) Stress-strain conditions in the NGI type direct simple shear test, (b) Fundamental aspects of the cyclic and dynamic behavior of clays, silts and sands under uniform and irregular cyclic loads, (c) Small-strain cyclic and dynamic behavior of soils, (d) Liquefaction mechanism using nonlinear computer models and case history studies, (e) Behavior of soil-nailed excavations during earthquakes using centrifuge modelling, (f) Development of geotechnical site data bases and their utilization in seismic microzoning using GIS.

Mladen has a BS and MS from University of Zagreb, Croatia in 1976 and 1981, respectively. He obtained his PhD from Rensselaer Polytechnic Institute, Troy, NY in 1986.



Prof. Mladen Vucetic
UCLA



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Dr. Hudson has extensive experience in performing geotechnical services for a wide variety of private and public developments. Private projects include hospital, schools and universities, high-rise buildings, retail, high-density residential, industrial, manufacturing, and mixed-use developments. Public projects include hospitals, public office buildings, schools and universities, hospitals, dams, reservoirs, subways, and pipelines. Dr. Hudson has specialized in foundation evaluations, excavations including deep excavations with shoring, geotechnical earthquake engineering including evaluation of ground motions, liquefaction, and seismic slope stability.

Dr. Hudson is the chairman of the Ground Motions subcommittee of the Seismology Committee of the Structural Engineers Association of Southern California, the chairman of the Ground Motions subcommittee of the Seismology Committee of the Structural Engineers Association of California, and is a voting member of the Seismology Committee of the Structural Engineers Association of California. He is a board member of the Structural Engineers Association of Southern California, and past-president of the American Society of Civil Engineers Los Angeles Section Geotechnical Engineering Group.



Dr. Martin Hudson, PE, GE
Chief Engineer, AMEC



Mr. Tom Frisher, PE
Infrastructure Department
Manager, URS

Mr. Frisher is the Infrastructure Engineering Department Manager at URS San Francisco, managing over 30 technical staff. He is responsible for business development, marketing, financial viability, operations and technical training for this department. Over the last 12 years, Mr. Frisher has been focused on marketing civil, transit, transportation, structural, and geotechnical engineering consulting services in the northern California area, especially in the San Francisco Bay Area. He managed multi-office civil, environmental, geotechnical engineering operations for large engineering firms.

Mr. Frisher is a registered civil engineer with over 24 years experience leading, supervising, and performing engineering projects on environmental, seismic, water, wastewater, drainage, and utility joint trench assignments for public, commercial, residential, industrial, and development clients. Mr. Frisher has project management experience with countless plans, specifications, and estimates (PS&E) work associated with infrastructure engineering projects.