



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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NACGEA/LA Metro Joint Workshop - Tunneling in Metropolitan Area

Friday December 16, 2011, 12:30pm-5:00pm

LA Metro 3F Board Conference Room, One Gateway Plaza, Los Angeles, CA 90012

AGENDA:

12:30pm-1:00pm Registration, Networking & NACGEA News Media Meeting
1:00pm-1:15pm Opening Remarks, Endi Zhai, President of NACGEA
1:15pm-1:30pm Welcome Remarks, Doug Failing, Executive Director Highways of LA Metro

1) Keynote Presentation (1:30pm-2:00pm) – An Update of LA Metro Tunneling Opportunities

Invited Speaker: **Mr. K.N Murthy**, Executive Director Transit, LA Metro

2) Keynote Presentation (2:00pm-3:00pm) – Tunneling in Metropolitan Area

Invited Speakers: **Dr. Harvey Parker**, LA Metro Tunnel Advisory Panel, Past President of International Tunneling Association, Harvey Parker & Associates, Inc., Clyde Hill, Washington

Dr. Edward Cording, LA Metro Tunnel Advisory Panel, Professor Emeritus of University of Illinois at Urbana Champaign, Appointed by President George Bush to U.S. Nuclear Waste Technical Review Board in 1991 through 1997.

3:00pm – 3:30pm **Coffee Break & Networking** (Opportunities for networking with sponsors, speakers & invited VIP attendees including Brian Boudreau, Frank Quon, Lan Saadatnejadi, Bruce Warrenford, Gay Sherman, Roy Fisher, Alberto Angelini, Jay Shah, and more from Metro & D7; Prime Contractors & Designers)

3) Panel Discussion (3:30pm-4:30pm) – Tunneling in Los Angeles

Moderator: **Doug Failing**, Executive Director Highways of LA Metro

Panelists: **K.N. Murthy**, Executive Director Transit of LA Metro

Edward Cording, LA Metro Tunnel Advisory Panel

Geoffrey Martin, LA Metro Tunnel Advisory Panel

Harvey Parker, LA Metro Tunnel Advisory Panel

Shiva Karimi, Caltrans Design South-1 Branch Chief

4) Closing & Post-Workshop Networking (4:30pm-5:00pm) – Opportunities for further Networking

COST:

\$45 regular by 12/7/2011 (\$65 thereafter, \$75 walkins without RSVP)

Free for government employees & full-time students with RSVP (No food is allowed in the Board Room, Cafeteria is available at the 3rd floor. See driving & parking Info next page)

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

<https://docs.google.com/spreadsheets/viewform?formkey=dEQ0M2VXa29SQWZZU201eWJoUWp0S1E6MQ>

Submitting panel discussion questions online by click or copying the following web address:

<https://docs.google.com/spreadsheets/viewform?formkey=dFdv3VmaDQ4dS1ybVBHT0InT0x4V0E6MQ>



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Prestigious Speakers/Panelists for the NACGEA/LA Metro Joint Workshop



Mr. Douglas Failing, PE

Mr. Failing is currently serving as the Executive Director of the Highway Program for Los Angeles County Metro where he is responsible for Delivery of the nearly \$8 billion Measure R Highway Program.

In 2006, Failing was chosen by the Los Angeles Times' West Magazine as one of the 100 most influential people in Southern California.

In addition, Los Angeles Magazine highlighted Mr. Failing in their December, 2006 issue as one of the most influential people in Los Angeles.

Failing earned a Bachelor of Science Degree in Civil Engineering from Michigan Technological University in Houghton in 1980 and was hired at Caltrans in June of 1980 as a Junior Civil Engineer

Mr. Murthy is Executive Director of the Transit Project Delivery for LA Metro, overseeing all of Metro's construction projects and Metro Rail facilities improvements. Before his currently role, Murthy was Metro's Deputy Chief Capital Management Officer responsible for construction project management. Before joining LA Metro, Murthy was Senior Vice President and Area Manager for Parsons Brinckerhoff, managing key transit tunneling projects in Los Angeles. He was one of the experts solving challenging design & construction problems in Los Angeles subway projects. Murthy authored and co-authored a number of technical papers concerning various issues of tunneling in Los Angeles, and one of his papers was referenced in the Book "Hazardous Gases Underground – Applications to Tunnel Engineering" by Barry Doyle.

The Los Angeles Chapter of the American Council of Engineering Companies of California has chosen Murthy as the 2011 Engineering Achievement Award Recipient. Murthy was the 2009 Client of the Year Award winner of ACEC CA Los Angeles County Chapter.



Mr. K.N. Murthy, PE



Dr. Harvey Parker

Dr. Parker is an independent consultant with over 45 years of engineering experience, including planning, concept & corridor development, investigation, design, contracting practices & contract documents, cost & risk assessment, construction consultation, instrumentation, and project/program management for major facilities. He has been primarily engaged as a member of a Board, an expert, or in a senior review capacity on planning, design, construction, & instrumentation of major facilities for highway, transit, railroad, water and wastewater, hydroelectric, port, defense, and development of surface and underground schemes in over a dozen countries. He is experienced with geotechnical & underground design and construction of underground facilities, in selecting alignments & construction methods, and in evaluating the tradeoffs between underground and surface construction.

Dr. Parker has consulted on design, instrumentation, and/or construction aspects of the following transit systems: New York; San Francisco; Chicago; Washington, D.C.; Boston; Atlanta; Baltimore, Pittsburgh; Seattle; Honolulu; Portland, and Los Angeles. Dr. Parker also served as President of the International Tunneling and Underground Space Association (ITA) from 2004 to 2007. He was Chair of the U.S. National Committee on Tunneling Technology (USNC/TT) and Chair of the Underground Technology Research Council (UTRC).



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Dr. Cording is Professor Emeritus of Civil and Environmental Engineering at the University of Illinois at Urbana-Champaign. His research focuses on engineering geology and rock mechanics, soil-structure interaction and tunneling. He directed University field research, monitoring the stability and ground deformations of the first subway tunnels and stations constructed on the Washington D.C. Metro. He developed criteria used world-wide for evaluating the effect of excavation and tunneling on surface structures, and has designed measures to protect buildings, including a monumental 1870 building in City Hall square in Philadelphia, 400-year old military buildings in old San Juan, Puerto Rico, and 19th century masonry structures in the historic district of Savannah, GA. Dr. Cording has consulted on mining and civil engineering projects for 45 years, and has been engaged in the planning, design, and construction of major underground transit projects in New York, Washington DC, Boston, Atlanta, Seattle, Toronto, San Francisco, San Jose, and in Los Angeles, where he is serving as a member of Metro's Tunnel Advisory Panel.



Prof. Edward Cording

President Gorge Bush appointed Dr. Cording to the U.S. Nuclear Waste Technical Review Board in 1991 to 1997. He is recipient of the 2003 Moles Non-member Award for Outstanding Achievement in Construction, and was elected a member of the National Academy of Engineering in 1989.



Prof. Geoffrey Martin

Dr. Martin is Professor Emeritus of Civil Engineering at USC. He is an internationally-recognized expert in the seismic design of tunnels, slopes, retaining structures, and foundations, before retiring in 2009. He has continued working as an independent consultant whose professional services are regularly sought as an expert on geotechnical or foundation seismic design. Since 1995, he has served on Metro's Tunnel Advisory Panel where his responsibilities include review of seismic hazard assessment, geotechnical design and construction monitoring for tunnels. He also is a member of the Caltrans Seismic Advisory Board on seismic design guidelines for bridges and the Los Angeles County Sanitation District's Tunnel Advisory Panel.

He has authored more than 100 papers relating to geotechnical and earthquake engineering on these topics.

Dr. Karimi is Caltrans Branch Chief of Geotechnical Design South-1 located in District 7, Downtown Los Angeles. She is a registered professional civil engineer and a licensed geotechnical engineer in the State of California. She supervises engineer staff involved in various geotechnical design and construction projects including bridges, tunnels, retaining walls, shoring and excavations, etc. in Los Angeles area and state-wide.

She earned her doctorate degree from University of Southern California in 1998 and a master degree from Tufts University in Massachusetts in 1991, and a master and bachelor degrees from the University of Tehran in 1987 and 1985, respectively.



Dr. Shiva Karimi, PE, GE

Sponsors

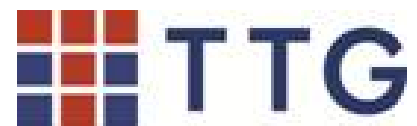
Gold (limit to 2)



5 Silver (limit to 5)



Bronze (limit to 5)



Coffee & Snacks: **PARSONS**

Invited News Media

ENR

LA TV18

Sky Link TV

World Journal Daily

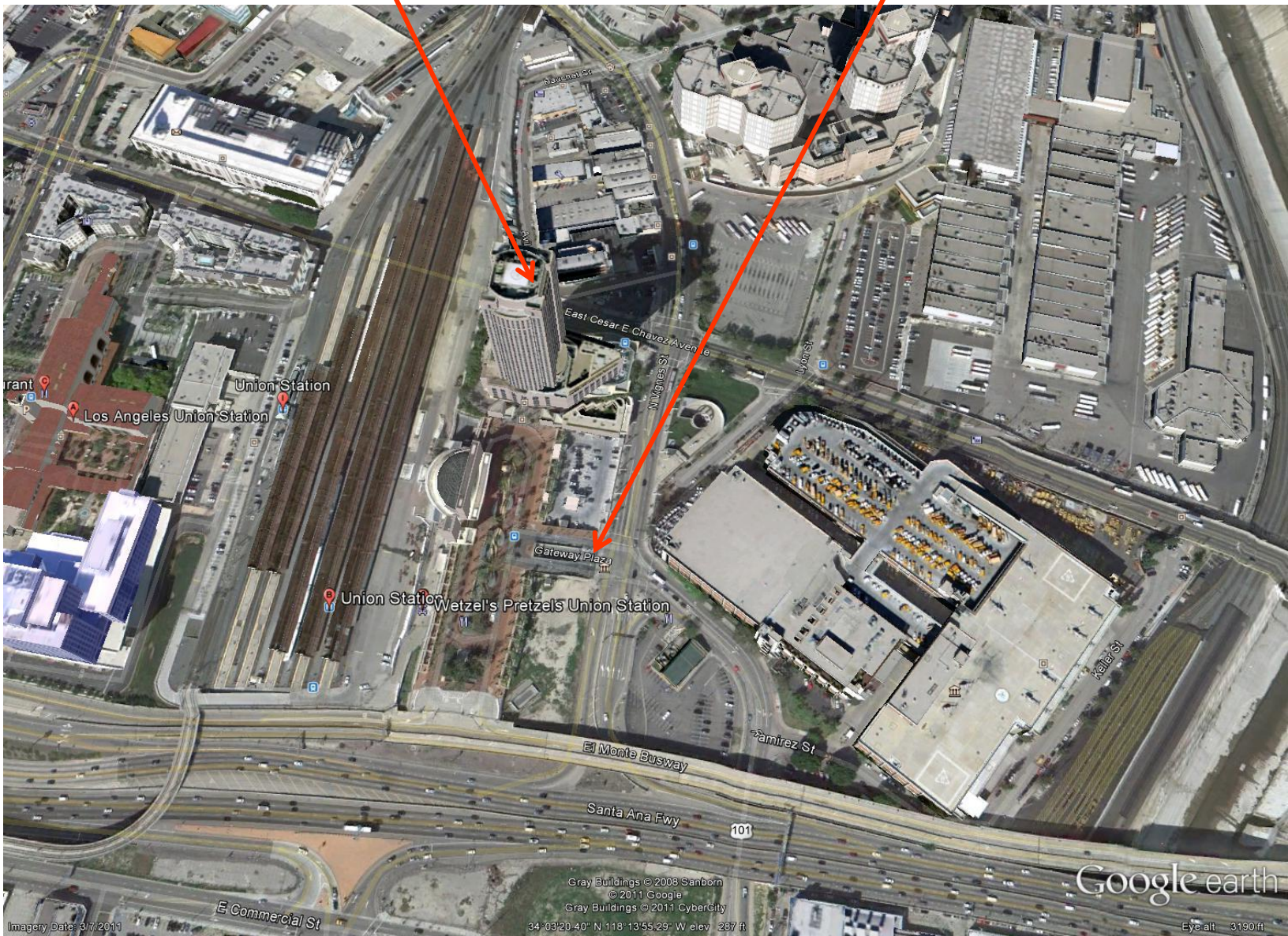
Singtao Daily

International Daily

Workshop Venue Vicinity Map

LA Metro Building

Underground Parking Garage
Entrance



Board Room is at 3F

- Take Train to Union Station, or
- Drive to LA Metro's Underground Parking Garage. Parking fee is \$6