



Tuesday, July 27, 2004

7:00 AM - 6:00 PM Registration

8:30 AM - 5:00 PM Short Courses & Symposium Workshop

6:00 PM - 8:30 PM Welcoming Barbeque / Sponsored by Pile Driving Contractors Association



Wednesday, July 28, 2004

7:00 AM - 6:30 PM Registration • Breakfast on your own

8:15 AM - 10:00 AM
Opening Plenary / Opening Remarks / Keynote Speakers:
Sponsored by Kleinfelder, Inc.



Geotechnical Innovation in Transportation Projects
George A. Munfakh

Cement-Mixed Soil for Trans-Tokyo Bay Highway and Railway Bridge Abutments
Fumio Tatsuoka

Case History of Deep Mixing Soil Stabilization for Boston Central Artery
Thomas D. O'Rourke

10:00 AM - 3:30 PM Exposition Hall Open

10:00 AM - 10:30 AM Coffee Break in Exposition Hall / Sponsored by CH2M HILL

10:30 AM - 12 NOON CONCURRENT SESSIONS I

Geosynthetic Applications in Transportation Projects

Chair: Mohammed Gabr
Co-Chair: John Bowders

Recent Seismic Hazard Research Products from PEER-Lifelines

Chair: Clifford J. Roblee
Co-Chair: Norman A. Abrahamson

Deep Foundations: Design

Chair: Norman D. Dennis
Co-Chair: Antonio Marinucci

DM04 SYMPOSIUM:

Deep Soil Mixing - I

Chair: Ali Porbaha
Co-Chair: Jie Han

12 NOON - 1:00 PM Lunch Buffet in Exposition Hall / Sponsored by Hayward Baker, Inc.

1:00 PM - 2:30 PM CONCURRENT SESSIONS II

Soil-Structure Interaction in Transportation Projects: Physical and Numerical Modeling

Chair: Yoga Chandran
Co-Chair: Muralee Muraleetharan

Virtual Data Center for Archiving and Web Exchange of Geo-Information in Practice

Chair: Carl Stepp
Co-Chair: Clifford J. Roblee

Deep Foundations: Drilled Shafts

Chair: Mohamad Hussein
Co-Chair: Norman D. Dennis

DM04 SYMPOSIUM:

Deep Soil Mixing - II

Chair: Ali Porbaha
Co-Chair: Anand Puppala

2:30 PM - 3:00 PM Refreshment Break in Exposition Hall • Sponsored by GEOVision Geophysical Services

3:00 PM - 4:30 PM CONCURRENT SESSIONS III

Soil-Structure Interaction in Transportation Projects: Design and Construction

Chair: Muralee Muraleetharan
Co-Chair: Yoga Chandran

LRFD and Decision-Based Methods for Deep Foundations

Chair: Hani Titi
Co-Chair: Mohammed Gabr

Recycled Materials in Transportation Geotechnics (Panel Discussion)

Chair: Joseph Wartman
Co-Chair: Jeffrey S. Melton

Problematic Subgrade Soils Supporting Pavements

Chair: Anand Puppala
Co-Chair: Gordon Matheson

Project Applications of GIS and Geo-Information in Practice

Chair: Loren Turner
Co-Chair: Jean-Pierre Bardet

4:30 PM - 6:00 PM Poster Session

6:00 PM - 8:00 PM Networking Reception / Sponsored by Moore & Taber



Thursday, July 29, 2004

7:30 AM - 6:00 PM Registration • Breakfast on your own

8:30 AM - 10:00 AM
Second Plenary / Keynote Speakers:
Sponsored by Fugro West, Inc.



The Seismic Design of Bridges – Geotechnical and Foundation Design Issues
Geoffrey R. Martin

Performance of Piles in Liquefiable Soils
Kenji Ishihara

The San Francisco-Oakland Bay Bridge East Span's Seismic Safety Project
Brian Maroney

10:00 AM - 3:30 PM Exposition Hall Open

10:00 AM - 10:30 AM Coffee Break in Exposition Hall / Sponsored by CH2M HILL

10:30 AM - 12 NOON CONCURRENT SESSIONS IV

San Francisco-Oakland Bay Bridge Replacement Project - I

Chair: Brian Maroney
Co-Chair: Ross W. Boulanger

Material Characterization for Mechanistic Pavement Design - I

Chair: Raj V. Siddharthan
Co-Chair: Thomas Papagiannakis

Stress Deformation Vs Limit Equilibrium Analysis of Slope Stability for Transportation Systems (Panel Discussion)

Chair: Alan Esser
Co-Chair: Peter Nicholson

Innovations in Earth Retaining Structures: Design and Construction

Chair: Peter Osborn
Co-Chair: Richard Barrows

12 NOON - 1:00 PM Lunch Buffet in Exposition Hall

1:00 PM - 2:30 PM CONCURRENT SESSIONS V

San Francisco-Oakland Bay Bridge Replacement Project - II

Chair: I.M. Idriss
Co-Chair: Saba Mohan

Material Characterization for Mechanistic Pavement Design - II

Chair: Thomas Papagiannakis
Co-Chair: Soheil Nazarian

Soil Improvement - I

Chair: Vernon Schaefer
Co-Chair: Patricia Gallagher

Earth Retaining Structures - I

Chair: Richard Finno
Co-Chair: Paul Sabastini

2:30 PM - 3:00 PM Refreshment Break in Exposition Hall / Sponsored by S&ME, Inc.

3:00 PM - 4:30 PM CONCURRENT SESSIONS VI

Replacement of the Cooper River Bridge, Charleston, South Carolina

Chair: Timothy Siegel
Co-Chair: William Camp

Collection and Analysis of Long-Term Pavement Performance Data

Chair: Thomas Papagiannakis
Co-Chair: Raj V. Siddharthan

Soil Improvement - II

Chair: Ali Maher
Co-Chair: Kord Wissmann

Earth Retaining Structures - II

Chair: Hubert Deaton
Co-Chair: Ronald Chapman

4:30 PM - 6:00 PM Poster Session

6:30 PM - 8:30 PM Conference Banquet / Sponsored by Parsons Brinckerhoff, Inc.



GEO-TRANS 2004 COOPERATING ORGANIZATIONS

ADSC: The International Association of Foundation Drilling
ASFE: Professional Firms Practicing in the Geosciences
Deep Foundations Institute
American Rock Mechanics Association
Geo-Council

Friday, July 30, 2004

7:30 AM - 3:00 PM Registration • Breakfast on your own

8:30 AM - 10:00 AM CONCURRENT SESSIONS VII

Deep Foundations: Testing

Chair: Ross McGillivray
Co-Chair: Brian Anderson

Underground Construction Techniques

Chair: Samuel Ariaratnam
Co-Chair: Richard Stauber

Seismic Analysis and Design - I

Chair: M.K. Yegian
Co-Chair: George Mylonakis

Embankments and Slopes - I

Chair: J. Erik Loehr
Co-Chair: I.M. Idriss

10:00 AM - 1:30 PM Exposition Hall Open

10:00 AM - 10:30 AM Coffee Break in Exposition Hall / Sponsored by Arroyo Geotechnical

10:30 AM - 12 NOON CONCURRENT SESSIONS VIII

Deep Foundations: Special Piles

Chair: J.B. Anderson
Co-Chair: Ross McGillivray

Site Characterization: In Situ Testing

Chair: Donald J. DeGroot
Co-Chair: Juan M. Pestana

Seismic Analysis and Design - II

Chair: Ross W. Boulanger
Co-Chair: Neven Matasovic

Embankments and Slopes - II

Chair: Timothy R. Martin
Co-Chair: J. Michael Duncan

12 NOON - 1:00 PM Lunch Buffet in Exposition Hall

1:00 PM - 2:30 PM CONCURRENT SESSIONS IX

Geotechnical Engineering Solutions in Recent Airports, Ports, and Harbor Projects

Chair: Arul Arulmoli
Co-Chair: Richard Woods

Site Characterization: Geophysical Testing

Chair: Donald J. DeGroot
Co-Chair: Juan M. Pestana

Risk Evaluation & Mitigation for Underground Structures

Chair: David Bennett
Co-Chair: Samuel Ariaratnam

Geotechnical Issues in Railway Design

Chair: Alan Lutenecker
Co-Chair: John Davie

2:30 PM - 3:00 PM Refreshment Break

3:00 PM - 4:35 PM
Closing Plenary / Keynote Speakers / Closing Remarks:
Sponsored by Geomatrix Consultants



Geodynamic Challenges in High Speed Rail Projects

Suzanne Lacasse

Design and Construction of the Rion Antirion Bridge

Alain Pecker

Pier 400 Development – The Port of Los Angeles

Shaun Shahrestani



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