



PRELIMINARY ANNOUNCEMENT

5NSC CONFERENCE: SEPTEMBER 18-20, 2006

FIFTH NATIONAL SEISMIC CONFERENCE ON BRIDGES & HIGHWAYS

Innovations in Earthquake Engineering for Highway Structures

September 18-20, 2006 | San Francisco, California



Conference Website

<http://mceer.buffalo.edu>

Conference Location

Marriott - San Mateo

(8 miles south of the San Francisco Airport)
1770 South Amphlett Blvd.
San Mateo, California
www.sanmateomarriott.com

Technical Program

Phillip Yen, FHWA

Technical Committee Co-chair
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or

Mike Keever, Caltrans

Technical Committee Co-chair
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Conference Organization

Jerome O'Connor

MCEER – Conference Coordinator
Telephone (716) 645-3391 ext 107
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Presented By



Background

This seismic conference is 5th in a series of biennial workshops sponsored by the Federal Highway Administration focusing on the highway infrastructure. Past conferences have been held in San Diego (December 1995), Sacramento (July 1997), Portland (April 2002), and Memphis (February 2004). This one will be held in San Francisco to commemorate the devastating earthquake that struck the city in 1906.

The purpose of the conference is to increase awareness of seismic and geological hazards and to enhance the level of technical expertise of engineering professionals so they can mitigate the risk of failure or damage to our bridges and highways.

The conference will also provide a forum for exchanging ideas. Researchers will share their findings from recent large scale testing enabled by NEES funding; code developers will explain the maturing practice of performance based design and the importance of good seismic detailing; and practicing engineers will share insights from completed seismic retrofit projects and the design of major structures. While some speakers will address the audience from their own regional perspective, others will summarize national trends. The conference will also feature select international speakers, recognized as authorities in the field, who will be able to provide yet another perspective. Equal attention will be given to areas of low to moderate seismicity as well as high.

Activities

Also planned as part of the conference are:

- On-Site Technical Exhibit Area to learn the latest technologies that are available
- Poster Display of projects and studies
- Technical Tour of the San Francisco-Oakland Bay Bridge construction project (boat tour with a separate fee)
- Short Workshop on FHWA's new Retrofit Manual
- Discussion Panel on Multihazard Design Retrofit

Who Should Attend?

The 5th National Seismic Conference on Bridges and Highways is tailored to the needs of engineers, design consultants, researchers, and others responsible for transportation facilities who are interested in learning about advances in earthquake-resistant design and retrofitting, highway system performance, and the latest in research results.

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Honorary Chairman

Myint Lwin, Federal Highway Administration, Director, Office of Bridge Technology Steering Committee

Steering Committee

Roland Nimis	Federal Highway Administration (Co-Chair)
Kevin Thompson	California Department of Transportation (Co-Chair)
Jerome O'Connor	Multidisciplinary Center for Earthquake Engineering Research (Conference Coordinator)
Michel Bruneau	Multidisciplinary Center for Earthquake Engineering Research
Ian Buckle	University of Nevada, Reno
Amr Elnashai	Mid-America Earthquake Center
George Lee	Multidisciplinary Center for Earthquake Engineering Research
Stephen Maher	Transportation Research Board
Stephen Mahin	University of California, Berkeley / PEER
Frieder Seible	University of California, San Diego
Arun Shirole'	Arora and Associates, P.C.
Rob Stott	California Department of Transportation
Ed Wasserman	Tennessee Department of Transportation
Phillip Yen	Federal Highway Administration

Technical Committee

Phillip Yen	Federal Highway Administration (Co-Chair)
Mike Keever	California Department of Transportation (Co-Chair)
Hannah Cheng	New Jersey Department of Transportation
Regi DesRoches	Georgia Institute of Technology
Yousef Bozorgnia	University of California, Berkeley
Jeffery Ger	Federal Highway Administration
Hamid Ghasemi	Federal Highway Administration
Bryan Hartnagel	Missouri Department of Transportation
M. John Karshenas	Mid America Engineering Services
E. V. Leyendecker	United States Geological Survey
Stephen Maher	Transportation Research Board
Derrell Manceaux	Federal Highway Administration
Lucero Mesa	South Carolina Department of Transportation
Martha Nevai	Federal Highway Administration
Richard Pratt	Alaska Department of Transportation
Li-Hong Sheng	California Department of Transportation
Glenn Smith	Federal Highway Administration
Paul Somerville	URS Corporation
S. Thevanayagam	University at Buffalo / MCEER
Daniel Tobias	Illinois Department of Transportation
Joe Wang	Parsons Brinckerhoff Quade & Douglas, Inc.



CALL FOR ABSTRACTS

DEADLINE EXTENDED TO: DECEMBER 31, 2005

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Call for Abstracts

The Chairmen of the Technical Committee are now soliciting abstracts of papers. The Technical Committee will select papers on merit for presentation during for plenary sessions, technical sessions grouped according to topic, and for poster display. It is anticipated that 50 to 60 papers will be selected for formal presentations during the conference. In addition, approximately 25 papers will be selected for the Poster Session.

Suggested Topics

Abstracts related to the following topics are requested for consideration by the Committee:

- Liquefaction and Mitigation Strategies
- Effects of Near-field Earthquakes on Bridges
- International Technologies and Practices
- Lessons Learned from Recent earthquakes
- Design and Analysis of Major Bridges in Areas of High or Moderate Seismicity
- Emerging Seismic Design and Retrofit Technologies
- Soil-structure Interaction and Foundations
- Seismic Risk Assessment of Highway Networks
- Performance Criteria and Economic Considerations
- Seismic Design and Retrofit of Foundations and Geotechnical Considerations
- Use of Innovative Technologies and Materials (including Protective Systems and Energy Dissipating Devices)
- Seismic Instrumentation and Monitoring Systems

Send Abstracts to:

Submit an abstract by December 31, 2005 to:

- Online: <http://mceer.buffalo.edu>
- E-mail: mceer-5nsc@buffalo.edu

A brief abstract of no more than 300 words is requested. Please indicate the paper's topic area. All abstracts will be reviewed by the Conference Technical Committee, which will determine the final conference program. The Committee will complete the selection process and notify the authors by **February 1, 2006**. Final papers will be due no later than **May 1, 2006**.

KEY DATES:

EXTENDED ABSTRACT

DEADLINE:

DECEMBER 31, 2005

AUTHORS NOTIFIED:

FEBRUARY 1, 2006

FINAL PAPERS DUE:

MAY 1, 2006