

100th Anniversary Earthquake Conference

Commemorating the 1906 San Francisco Earthquake

April 18 – April 22, 2006
Moscone Convention Center
San Francisco, California

Convened jointly by the:

- Earthquake Engineering Research Institute
- Seismological Society of America
- California Governor's Office of Emergency Services

The Joint Conference will celebrate what has been accomplished during the past century, showcasing best practices and research results in science, engineering, and emergency management. It will identify where we should go from here and kindle enthusiasm in and commitment to seismic safety and earthquake research.

**Put the dates on your calendar now,
and get the latest information at: www.1906eqconf.org**

**Plan to be part of the most important earthquake
conference ever held!**



EARTHQUAKE ENGINEERING
RESEARCH INSTITUTE



First Announcement

100th Anniversary Earthquake Conference, Commemorating the 1906 San Francisco Earthquake

Co-convened by the Earthquake Engineering Research Institute, Seismological Society of America, and the California Governor's Office of Emergency Services

**Moscone Convention Center, San Francisco, California
April 18 – 22, 2006**

THEME: Managing Risk in Earthquake Country

The 100th Anniversary Earthquake Conference will include EERI's 8th U.S. National Conference on Earthquake Engineering (8NCEE) and 58th Annual Meeting, SSA's Centennial Annual Meeting, and the OES Disaster Resistant California Conference. The joint program will feature:

- Joint multidisciplinary plenary sessions at the beginning of each day
- A gala anniversary reception
- A joint Anniversary Luncheon co-hosted by EERI, SSA, and OES
- Technical sessions
- Poster sessions
- Exhibits
- Field trips and much more.

The three technical programs will be fully coordinated to optimize program content. While the unique features of EERI's 8NCEE will be maintained, participants will be free to attend sessions of the Seismological Society of America meeting and the California Governor's Office of Emergency Services conference.



EERI's Eighth U.S. National Conference on Earthquake Engineering (8NCEE)

The 8NCEE will commemorate the 100th anniversary of the 1906 San Francisco earthquake, examining how we can learn from earthquakes and earthquake engineering research, assessing the current level of earthquake risk, and discussing how we can manage earthquake risk through application of modern earthquake engineering principles and practices. Organized by EERI, this quadrennial conference will bring together professionals from the broad range of disciplines committed to reducing the risk of earthquakes, including geology, seismology, geophysics, geotechnical engineering, structural engineering, architecture, economics and decision-making, social response, regional and emergency response planning, regulation, and education.

8NCEE TECHNICAL PROGRAM TOPIC AREAS

- Seismic source characterization
- Strong ground-motion characteristics; near-fault, basin, and site effects; specification for assessment and design
- GeoEngineering: Surface fault rupture, ground failure evaluation and mitigation, seismic slope stability, foundation performance and design, soil-structure foundation interaction
- Structural engineering for buildings, bridges, and industrial and special structures; structural and nonstructural materials, components, and systems; response modification; design, assessment, and retrofit
- Lifeline systems: Distributed seismic hazard, components and systems, network assessment, and mitigation
- Risk analysis and loss estimation; performance assessment and decision-making considering casualties, repair costs, downtime
- Design criteria and methods: Seismic codes and standards
- Earthquake engineering practice: Recent projects, design, and construction
- Social issues: Human behavior, preparedness, recovery, loss modeling, land use and urban planning, risk analysis, seismic awareness and education
- Lessons from recent U.S. and worldwide earthquakes
- Other hazards, fire, hazardous materials
- Information technologies in earthquake engineering

SPECIAL SESSIONS

- The 1906 earthquake, a centennial perspective
- Lessons from recent major earthquakes
- 2006 earthquake scenario
- Visions for earthquake engineering in the next 100 years
- Performance-based earthquake engineering—research to practice
- Next generation seismic hazard analysis—attenuation, design ground motions, and ground failure
- Advanced technology applications
- Research Centers and research within the Network for Earthquake Engineering Simulation (NEES)

8NCEE STEERING COMMITTEE

Jack Moehle, University of California, Berkeley, Chair
Mary Comerio, University of California, Berkeley, Co-chair
Thalia Anagnos, San Jose State University
Jon Bray, University of California, Berkeley
James Malley, Degenkolb Engineers
Bill Spencer, University of Illinois

8NCEE SPONSORING ORGANIZATION

The Earthquake Engineering Research Institute
For more information, contact the EERI office:
(510) 451-0905, fax (510) 451-5411
email: eeri@eeri.org, web site: www.eeri.org



The Centennial Meeting of the Seismological Society of America

The Seismological Society of America is an international society devoted to the advancement of seismology and its applications in understanding and mitigating earthquake hazards and in imaging the structure of the Earth. Founded in San Francisco in the months following the 1906 earthquake, SSA will begin a year's celebration of its 100th anniversary at the conference. Papers will be presented in the general areas of seismology, paleoseismicity, seismicity, seismic hazards, ground motion, earth structure, seismotectonics and the effects of earthquakes.



The Disaster Resistant California (DRC) Conference of the California Office of Emergency Services

The DRC is designed to bring together emergency management professionals, local and state government representatives, and private business partners to share ideas, technology, and resources for the purpose of mitigating disasters. In 2006, DRC will strive to promote public-private partnerships in an effort to reduce the vulnerability of individual communities to earthquakes and other natural and human-caused disasters. In addition, the DRC will continue to highlight California hazard mitigation success stories and to recognize those California communities that have made significant strides toward making their individual jurisdictions Disaster Resistant California Communities.



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and

Eighth U.S.
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Non Profit Org.
U.S. Postage
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