



***Earthquake Engineering  
Research Institute***

***Craig D. Comartin, S.E.  
President***





***“Natural hazards are inevitable.  
Natural disasters are not.”***

John Filson

New York Times  
December 27, 2004





# *Who are we?*

- Nonprofit, interdisciplinary society of engineers, geoscientists, architects, planners, public officials, and social scientists.
- EERI members include researchers, practicing professionals, educators, government officials, and building code regulators.





# *Where are we?*

- 2400 members
- Local and student chapters
- 46 states
  - California has largest representation.
  - New York is second with Washington a close second.
- 62 countries (over 20% of membership)
- Headquarters: Oakland, California





# *What do we want to accomplish?*

- Advance the science and practice of earthquake engineering.
- Improve understanding of the impact of earthquakes on the physical, social, economic, political and cultural environment.
- Advocate effective and efficient measures for reducing the harmful effects of earthquakes.



# *What do we do?*

- Technical seminars
- Learning from Earthquakes (LFE) Program
- Publications and conferences
- Special projects and initiatives



# ***Learning from Earthquakes (LFE)***

- Sumatran earthquake and tsunami (ongoing)
- Niigata (2004)
- Bam, Iran (2004)
- Gujarat, India—Recovery (2003)
- Hokkaido, Japan (2003)
- Boumerdes, Algeria (2003)
- Bingol, Turkey (2003)
- Colima, Mexico (2003)
- Denali Fault, Alaska (2002)

***Over 100 reconnaissance missions since 1973***





# *Sumatran Earthquake Briefing*

**Tuesday, March 22, 2005**

**4:00 - 6:30 pm, Seattle, Washington  
Kane Hall, University of Washington**





# ***NEHRP Coalition***

- **EERI guided the NEHRP re-authorization through the House and Senate partnering with ASCE**
- **50% increase in authorized funds for 2005**
- **74% increase in authorized funds by 2009**
- **EERI strategy for 2005:**

**advocacy for appropriations to NIST**

**support of NEESinc (NSF) and ANSS (USGS)**

**improved coordination with DHS FEMA**



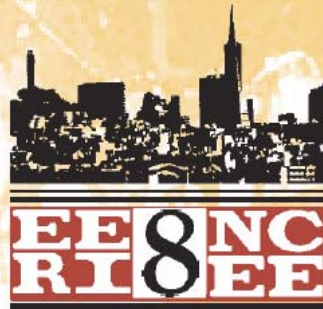


# 100th Anniversary Earthquake Conference

Commemorating the 1906  
San Francisco Earthquake



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



April 18 – April 22, 2006  
San Francisco, California





# www.world-housing.net

Address <http://www.world-housing.net/>

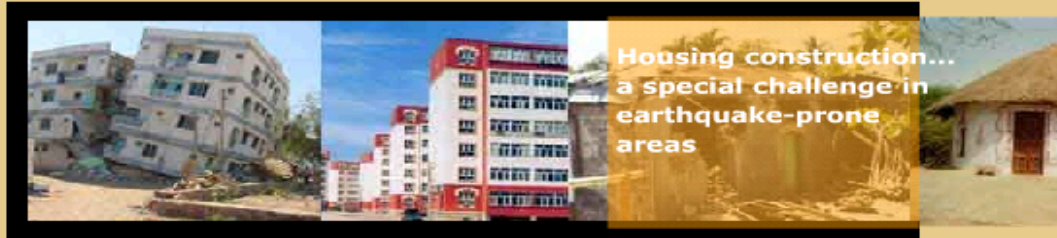
Google World Housing Encyclopedia 88.5 KCSN - The Best of Public Radio Learning from Earthquakes Main Page



## WORLD HOUSING ENCYCLOPEDIA



As a contribution to the ISDR



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site of the week

THE NSDL SCOUT REPORT FOR  
**MATH,  
ENGINEERING,  
& TECHNOLOGY**  
SELECTION



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# *Earthquake scenarios*

- Bruce Olson and the USGS (1975)
  - *A Study of Earthquake Losses in the Puget Sound, Washington Area*, Open-File Report 75-375
- Hyogo-ken Nambu (Kobe) Earthquake
- Hayward Scenario (1995)
- CREW and the Cascadia Scenario



# ***EERI and the Seattle Scenario***

- Special project for scenario guidelines
- Initial funding from EERI Endowment
- FEMA support
- Interest in Seattle community
- USGS participation
- Potential for local chapter





Cascadia Region Earthquake Workgroup  
Structural Engineers Association of Washington  
University of Washington  
Washington State Emergency Management Division  
Washington State Department of Transportation  
Seattle Public Utilities  
Seattle City Light  
Seattle Emergency Management  
King County Wastewater Treatment Division  
Bonneville Power Administration  
Bellevue Emergency Preparedness Division  
Burlington Northern  
Washington State Hospital Association  
Washington State Society of Healthcare Engineering  
Port of Seattle





# *The power of knowledge*



Victor Desosa of the village of  
Galbokka, Sri Lanka