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of Presentations from the Seminar on

NEXT GENERATION ATTENUATION (NGA) MODELS

Geotechnical, seismological, and structural engineers need to understand the changes to the USGS Hazard Maps and the Seismic Design Maps that are part of the ASCE 7 and IBC design process.

Not only will the changes impact site-specific studies, but they will also become part of the 2010 ASCE 7 and 2012 IBC design provisions. These videos provide the background and basis for the NGA models and how they impact the new USGS Hazard Maps. They also cover the technical basis of the three major changes to Seismic Design Maps.

- **Overview of NGA Project**

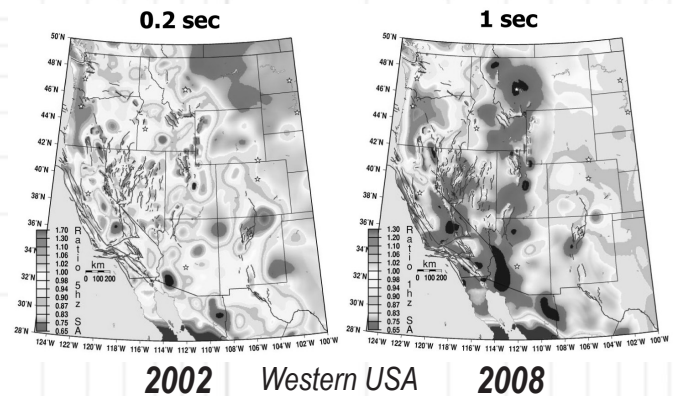
Yousef Bozorgnia, Pacific Earthquake Engineering Research Center (PEER)
Members \$25 (Nonmembers \$45)

- **USGS National Seismic Hazard Maps:** Mark Petersen, U.S. Geological Survey
Members \$25 (Nonmembers \$45)

- **Project 07: Development of New Ground Motions for Building Codes**
Charles Kircher, Kircher & Associates
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- **Preparation of New Seismic Design Maps for Building Codes**
Nicolas Luco, U.S. Geological Survey
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- **Application in Practice: Bay Area Rapid Transit (BART)**
Nick Gregor, Bechtel Corporation
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- **Application in Practice: Building Sites**

C.B. Crouse, URS Corporation
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- **Application in Practice: Loss Estimation**

Hesaam Aslani, Risk Management Solutions
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- **Design Ground Motion Library (DGML) Package**

Robert Youngs, AMEC Geomatrix
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- **Using and Comparing NGA Models: A New Excel File of Models**

Linda Al Atik, University of California, Berkeley
Members \$15 (Nonmembers \$27)

- **Ongoing and Future Tasks in NGA Program**

Yousef Bozorgnia, PEER
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