

2006 Annual Meeting
Seismological Society of America
San Francisco, California

100th Anniversary Earthquake Conference

18–22 April

Convened jointly by
Seismological Society of America,
Earthquake Engineering Research Institute,
and Disaster Resistant California

Location

Technical sessions and tutorials: Moscone Center, 747 Howard St., San Francisco

Field trips: Depart from and return to Moscone Center

SSA conference hotel and side events: Palace Hotel, 2 New Montgomery St, San Francisco

Hosted by

U.S. Geological Survey, Menlo Park
Berkeley Seismological Laboratory, University of California, Berkeley

Key Dates and Deadlines

Palace Hotel Reservation Cutoff

16 March—www.1906eqconf.org or phone the hotel, (800) 325-3589

Current registration, session and field trip information Ongoing—www.1906eqconf.org/

Due to the joint nature of this conference, nothing is quite the same as in past years. Details are available at the conference Web site, www.1906eqconf.org/.

A Unique Conference

- The 2006 Annual Meeting will be unlike any in SSA history. Because SSA was founded in the fall of 1906 following the San Francisco earthquake, the 2006 annual meeting will kick off SSA's centennial commemoration.
- The 2006 Annual Meeting will commemorate the 100th anniversary of the 1906 earthquake with this historic conference jointly convened by the Seismological Society of America, the Earthquake Engineering Research Institute, and Disaster Resistant California. It will bring together earth scientists, structural engineers, and emergency planners concerned with earthquake science, engineering, and emergency management. We expect more than 2500 participants.

This major conference will feature six concurrent activities:

1. The co-convened technical conference, including joint plenary sessions and discipline-oriented sessions on special topics, with presentations in both oral and poster formats;
2. Tutorials for professionals, teachers, and the public;
3. A wide variety of field trips during and after the conference;
4. Exhibits and demonstrations with a variety of vendors and organizations;
5. Participation by community groups including the Association of Bay Area Governments;
6. Daily press briefings to communicate scientific results, hazard assessments, and mitigation information to national and regional policy makers and the public.

In addition to presentations on current earthquake research, this conference will provide a forum to review what we have learned, assess our current level of understanding and envision future direction. Because SSA is joined this year by EERI and DRC, the conference presents a unique opportunity for cross-disciplinary communication. A particular focus will be the effort to extend the lessons learned since 1906 into the arena of public policy.

Headquarters Hotel

The historic Palace Hotel will serve as SSA headquarters during the conference. A bridge from the old world to the modern city, the Palace debuted in 1875 with its vaulted ceilings and Austrian crystal chandeliers to recreate the elegance and glamour of 19th century high society. The Palace survived the 1906 earthquake but was damaged in the fires that followed, then lavishly restored. The hotel is within walking distance of the Moscone Center.

Make your reservation before 16 March, 2006, to receive the special rate of \$159 (for either a king or double/double). Register through the conference website (www.1906eqconf.org/) or directly with the hotel at (800) 325-3589; identify the group as the Seismological Society of America.

Special Events

A large number of memorable special events will be included in the registration fee. Please consult the Special Events section of the conference website for details.

Of particular interest to SSA participants:

SSA Icebreaker—Monday, 17 April, Palace Hotel

SSA annual luncheon—Wednesday, 19 April, Moscone Center

- Nicholas Ambraseys will receive the Harry Fielding Reid Medal
- Emily Brodsky will receive the first Charles F. Richter Early Career Award
- P. Patrick Leahy, Director of the U.S. Geological Survey, will be the President's Invited Speaker

Gala SSA Centennial Reception and Banquet—Thursday, 20 April, Palace Hotel

- Frank Press will receive the first SSA Public Service Award.

- Simon Winchester, author of *A Crack in the Edge of the World: America and the Great California Earthquake of 1906*, will be the keynote speaker.

SSA Meeting Chairs

Carol Prentice and William Ellsworth
U.S. Geological Survey
Menlo Park
cprentice@usgs.gov, ellsworth@usgs.gov

Peggy Hellweg
Berkeley Seismological Laboratory
University of California, Berkeley
peggy@seismo.berkeley.edu

Press Information

For SSA sessions: Mary George, press@seismosoc.org

For the joint meeting: Solem Associates, press@1906eqconf.org

Additional Information

Registration: online at www.1906eqconf.org/

Exhibitor registration: online at www.1906eqconf.org/

Schedule at a glance: www.1906eqconf.org/schedGlance.htm

Field trips: see <http://www.1906conf.org/fieldtrips.htm>

Tutorials: see <http://www.1906conf.org/tutorials.htm>

If you do not have web access, or cannot use the conference website to register, please contact Joy Troyer by telephone at 510-559-1784, fax at 510-525-7204, or email: joy@seismosoc.org. ✉

Overview of Technical Program

Sessions held jointly with the Earthquake Engineering Research Institute (EERI) and Disaster Resistant California (DRC) are indicated.

ORAL SESSIONS

Tuesday, 18 April

9–11:30 AM	Plenary Session: Commemoration of the 1906 San Francisco Earthquake		
2–3:30 PM	The Impact of the 1908 Lawson Report on Earthquake Science	Nuclear Explosion Monitoring Anniversary Session I	Earthquake Science in the 21st Century: Understanding the Processes that Control Earthquakes I
4–5:30 PM	The Northern San Andreas Fault: 100 Years of Scientific Study	Nuclear Explosion Monitoring Anniversary Session II	Earthquake Science in the 21st Century: Understanding the Processes that Control Earthquakes II

Wednesday 19 April

8:30–10 AM	Plenary session: Learning from the Past				
10:30–12	The Giant Sumatran Earthquakes of 2004 and 2005 (<i>with EERI</i>)	Near-fault Ground Motions from Large Earthquakes (<i>with EERI</i>)	Beyond the San Andreas, the Other Active Faults of Northern California	How Seismologists, Engineers and Emergency Planners Can Work with Policymakers to Improve Disaster Planning and Mitigation (<i>EERI session with SSA and DRC</i>)	
2–3:30	The Giant Sumatran Earthquakes of 2004 and 2005 (<i>with EERI</i>)	Extending ANSS: Next Generation Earthquake Monitoring I (<i>with EERI</i>)	The M 7.6 Kashmir Earthquake of 8 October 2005 (<i>with EERI</i>)	Next Generation of Ground Motion Attenuation Models (<i>EERI session with SSA</i>)	Advances in Liquefaction Evaluation (<i>EERI session with SSA</i>)
4–5:30	Tsunamis	Extending ANSS: Next Generation Earthquake Monitoring II (<i>with EERI</i>)	Advances in Volcano Seismology: Enhanced Monitoring Capability Through Application of Complementary Methods		

Thursday, 20 April

8:30–10 AM	Plenary Session: Assessing the Present				
10:30–12	Paleoseismic Characterization of Earthquake Recurrence and Hazard Assessment I	Broadband Simulations of the 1989 Loma Prieta and 1906 San Francisco Earthquakes I	Crossing the Fault from Seismology to Engineering: Bruce Bolt Memorial Session (<i>with EERI</i>)	The Future of Earthquake Research (<i>EERI session with SSA and DRC</i>)	
2–3:30	Paleoseismic Characterization of Earthquake Recurrence and Hazard Assessment II	Broadband Simulations of the 1989 Loma Prieta and 1906 San Francisco Earthquakes II	Constraints on Transonic Rupture Propagation	Surface Fault Rupture (<i>EERI session with SSA</i>)	Scenario for a M6.7 Earthquake on the Seattle Fault (<i>EERI session with SSA</i>)

4–5:30	Integrating Geology and Geodesy in Studies of Active Faults	Global Seismicity and Wave-speed Structure of Earth's Deep Mantle and Crust: Sessions in Honor of the Seismological Contributions of E. Robert Engdahl	Using Regional Velocity Structures to Estimate Seismic Hazard	Ground Motions for Engineering Design (<i>EERI session with SSA</i>)
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Friday, 21 April

8–9:30	Faults Exposed! Applications of ALSM data	Earthquake Warning and Alerting Systems: New Technologies for Hazard Mitigation and Emergency Response (<i>with DRC</i>)	Advances in Geodetic Studies of Seismic Sources	The Earthquake Professionals' Top Ten Initiatives (<i>EERI session with SSA and DRC</i>)
10–12	Plenary Session: Preparing for the Future			
12:00	Closing Session			

POSTER SESSIONS

All posters should be in place at 8:00 AM and will be displayed all day.

Tuesday PM	A. Modeling the Tectonic Evolution of the San Andreas Transform Boundary through Time B. Beyond the San Andreas, the Other Active Faults of Northern California C. The M7.6 Kashmir Earthquake of 8 October 2005 (<i>with EERI</i>) D. Earthquakes and Seismicity Around the World E. One Hundred Years and More: Historical Instruments and their Recordings of Earthquakes	F. Extending ANSS: Next Generation Earthquake Monitoring (<i>with EERI</i>) G. Monitoring and Modeling the Seismic Wavefield H. Earthquake Sources: Theory and Practice I. Earthquake CORE: Culture, Outreach, Resources and Education
Wednesday AM	J. Advances in Volcano Seismology: Enhanced Monitoring Capability Through Application of Complementary Methods K. Recent Results from the 28 September 2004, M6.0 Parkfield, California, Earthquake L. Paleoseismic Characterization of Earthquake Recurrence and Hazard Assessment	M. The Northern San Andreas Fault: 100 Years of Scientific Study/The Impact of the Lawson Report on Earthquake Science N. Integrating Geology and Geodesy in Studies of Active Faults
Wednesday PM	O. Earthquake Science in the 21st Century: Understanding the Processes that Control Earthquakes P. Nuclear Explosion Monitoring Anniversary Session	Q. Near Fault Ground Motions from Large Earthquakes (<i>with EERI</i>) R. Hazard and Risk
Thursday AM	S. The Giant Sumatran Earthquakes of 2004 and 2005 (<i>with EERI</i>) T. Tsunamis U. Advances in Geodetic Studies of Seismic Sources	V. Global Seismicity and Wave-speed Structure of Earth's Deep Mantle and Crust: Sessions in Honor of the Seismological Contributions of E. Robert Engdahl W. Using Regional Velocity Structures to Estimate Seismic Hazard
Thursday PM	X. Ground Motion: Assessment and Effects Y. Broadband Simulations of the 1989 Loma Prieta and 1906 San Francisco Earthquakes	Z. Crossing the Fault from Seismology to Engineering: Bruce Bolt Memorial Session (<i>with EERI</i>) AA. Earthquake Warning and Alerting Systems: New Technologies for Hazard Mitigation and Emergency Response (<i>with DRC</i>)