



## EARTHQUAKE ENGINEERING RESEARCH INSTITUTE

Founded in 1948, EERI's mission is to reduce earthquake risk by (1) advancing the science and practice of earthquake engineering, (2) improving understanding of the impact of earthquakes on the physical, social, economic, political, and cultural environment, and (3) advocating comprehensive and realistic measures for reducing the harmful effects of earthquakes.

### NEWS OF THE INSTITUTE

#### ► Save the Dates: 2017 Annual Meeting and 2018 National Conference

Start making plans now for EERI's 69th Annual Meeting in Portland, Oregon, **March 7-10, 2017**. There will be an enticing program, workshops, and tours with a focus on the Pacific Northwest. Look for the meeting website in the fall with all the information, but make sure you keep the days free now.

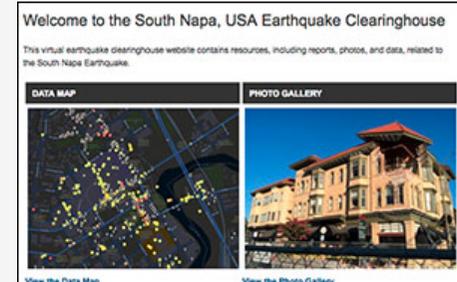
While you have your calendar open, pencil in the dates for the 11th United States National Conference on Earthquake Engineering. In addition to the full slate of Annual Meeting activities, the National Conference will feature robust technical programs and tours. The 10th National Conference in Alaska was EERI's most successful meeting in attendance, enthusiasm, and attendee interaction in years. We look forward to an even more rewarding experience for the 11NCEE. Plan now to join us in Los Angeles, California, **June 24-29, 2018**.

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#### ► EERI South Napa Earthquake Data Map and Photo Gallery

Following the 2014 South Napa Earthquake, over 100 individuals participated in reconnaissance efforts through the California Earthquake Clearinghouse. As Vice-Chair of the California Earthquake Clearinghouse, EERI managed reconnaissance data collection and sharing efforts.

With support from FEMA, EERI has archived South Napa Earthquake data and reconnaissance observations collected by engineers, scientists, and researchers into the South Napa Earthquake Data Map and Photo Gallery. The map contains 16 datasets (including data collected from the *FEMA P-1024, Performance of Buildings and Nonstructural Components in the 2014 South Napa Earthquake* study), more than 8,000 data points and 5,000 photos. All data published in the map can be downloaded and used for non-commercial purposes with attribution. The photo gallery contains over 3,000 high-resolution, geolocated reconnaissance photos with information about observations, photographer, discipline, damage level,



and many other fields. Users can search and filter the database using a text search, advanced search filters, by specifying a time window, or by specifying a geographic region.

Both the data map and photo gallery will serve as a long-term archive of the reconnaissance data from the 2014 South Napa Earthquake. To access, visit the South Napa Earthquake Virtual Clearinghouse Website: <http://www.eqclearinghouse.org/2014-08-24-south-napa/> 

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### ► EERI Store Summer Sale Until July 15

As a thank you to EERI members, every item in the EERI Knowledge Center and Online Store is now on sale at a 33% discount for a limited time. This members-only discount will be applied to all sale and regular-priced items at check-out. Many PDFs are downloadable at no charge.



Stock up now before some items run out. Be sure to log-in with your EERI membership credentials to get the member discount. (Having trouble logging in? Contact Juliane Lane at [juliane@eeri.org](mailto:juliane@eeri.org)) The Members Only Sale ends on **Friday, July 15**.

Browse the EERI Knowledge Center and Online Store by visiting the EERI website at <https://www.eeri.org/store-landing-page/> 

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## NEWS OF THE PROFESSION

### ► Links to Recent News and Views

Ten recent stories, reports, or opinions from around the Web:

- 1 The Quiet Before The Quake** (The New Yorker) A new model to explain silent stretches of the San Andreas fault. [newyorker.com](http://www.newyorker.com) 
- 2 Insurers settle 88% of Nepal quake-related claims** (Nepal Republic Media) 16 non-life insurance companies have settled 15,625 claims. [myrepublica.com](http://www.myrepublica.com) 
- 3 After Nepal's earthquake, a push to rebuild without child labor.** (PBS Newshour) Using relief aid to force brick kiln operators not to rebuild on the backs of children. [www.pbs.org](http://www.pbs.org) 
- 4 Napa School Bond Falls Short** (Napa Valley Register) Voters say no to bond after August 2014 earthquake revealed local schools need rebuilding or relocating. [napavalleyregister.com](http://www.napavalleyregister.com) 
- 5 University's new online tool helps Oregonians assess quake risks for free** (KTVZ) Program provides risk information on landslides, ground shaking, and liquefaction at specific sites during a subduction zone earthquake. [ktvz.com](http://www.ktvz.com) 
- 6 Region of earthquakes: South Sound leaders prepare for 'big one'** (The Olympian) Four-day federal earthquake drill begins with fake 9.0 earthquake. [theolympian.com](http://www.theolympian.com) 

- 7 **Saudi Arabia building houses, schools and hospitals in Pakistan after quake and floods** (Al Arabiya) Kingdom creates humanitarian mission for victims of 2005 earthquake and 2010 floods. [pbs.org](http://pbs.org)
- 8 **Lessons from the Kumamoto Earthquake** (The Japan News) Best practices and challenges identified by local government officials. [the-japan-news.com](http://the-japan-news.com)
- 9 **Insurers hiking earthquake rates in Oklahoma** (Norman Transcript) Cost of earthquake coverage increasing from 4 to 300 percent, as insurers brace for a catastrophic quake. [normantranscript.com](http://normantranscript.com)
- 10 **Earth Scientists do "Ask Me Anything" on Reddit** (Reddit.com) IRIS Consortium scientists take over the AskScience section for a day. [reddit.com](http://reddit.com)

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## ANNOUNCEMENTS

### ▶ Tomorrow: PEER webinar on Ecuador Earthquake

Tomorrow, **June 16, 2016**, Pacific Earthquake Engineering Research Center (PEER) will host a seminar of post-earthquake reconnaissance observations from the April 16, 2016 Ecuador Earthquake.



PEER researchers from the John A. Blume Earthquake Engineering Research Center at Stanford University and from UC Berkeley spent one week in Ecuador conducting an earthquake reconnaissance and will summarize recorded ground motions as well as the seismic performance of buildings, bridges, dams, highways, and critical facilities such as hospitals on the two month anniversary of the event.

Date: Thursday, June 16th, 2016

Time: 12:00 to 1:30pm Pacific

Location: 250 Sutardja Dai Hall, UC Berkeley (or watch online)

Presenters will be **Eduardo Miranda** (M. EERI, 1987), Luis Alfredo Ceferino Rojas, and Roberto Luque.

More seminar details and instructions on how to view the webcast are available at the PEER website:

<http://peer.berkeley.edu/news/2016/06/peer-seminar-series-june-16-post-earthquake-reconnaissance-observations-of-the-april-16-ecuador-earthquake/>

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### ▶ Abstracts Deadline this Friday for ASC 2016

The 11th Asian Seismological Commission General Assembly (ASC 2016) will take place in Melbourne, Australia November 25-27, 2016. The assembly's Call for Abstracts closes this Friday, **June 17, 2016**.



To submit an abstract, visit <http://www.ASC2016.asia> and click on LOGIN at the top of the screen to create your account. Once you are logged into the Dashboard, click "Add an Abstract" to create a 250 word submission for consideration. Early bird registration is also open. For more information, visit <https://www.asc2016.asia>

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### ► Think Hazard! Launched by GFDRR at the World Bank

Think Hazard! ([www.thinkhazard.org](http://www.thinkhazard.org)), a free and open-source online tool that allows users to understand how eight different kinds of hazards—earthquake, flood, landslide, wind, storm surge, drought, volcanic eruption, tsunami—might affect a specific geographic area, is now available from the World Bank's Global Facility for Disaster Reduction and Recovery (GFDRR).



"Ensuring that everyone can understand the potential for disaster events will mean that we can make our roads, hospitals, schools, agriculture etc. more resilient to natural hazards and climate change," said Alanna Simpson from the GFDRR Labs team. "For example, people rarely think of the potential for earthquakes in Uganda, but now everyone who builds schools in Uganda can quickly access information to understand the threat from different natural hazards and ensure that schools and students are safe from disasters."

Currently Think Hazard! relies predominantly on global earthquake hazard data to determine the level of hazard, far from ideal when the tool is used on a district level, Simpson said. "We know that the EERI community has done a huge amount of research globally into earthquake hazard levels and we would like this knowledge to be integrated into Think Hazard!" Full credit is given to the institutions that provide information.

To learn more about Think Hazard! and the efforts of the GFDRR at the World Bank, contact Alanna Simpson at [asimpson1@worldbank.org](mailto:asimpson1@worldbank.org)

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### ► Build Change Seeks Lead Structural Engineer for Philippines

Build Change ([www.buildchange.org](http://www.buildchange.org)), a non-profit social enterprise whose mission is to save lives in earthquakes and hurricanes, has an opening for the position of Lead Structural Engineer to work in the Philippines. The successful candidate will lead the development of new technical resources, design and construction supervision procedures for the new pre-disaster retrofit program in Metro Manila, among other duties.



Fluency in Tagalog or other Filipino language is a strong plus. Applications will be reviewed in the order in which they are received and accepted until the position is filled. Visit <http://www.buildchange.org/about/careers/> to learn more and apply for this position.

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## 📖 PUBLICATIONS

### ► Earthquake Spectra: Preprint Manuscripts

Three preprint manuscripts have been posted to the *Earthquake Spectra* website prior to formal publication. The papers to be published are:



- "Building Height Limits for Steel Intermediate Moment Frames" by **Sang Whan Han** (M. EERI, 1994), Yu Jin Park and Sung Jin Ha
- "Assessment of the 2011 Virginia Earthquake Damage and Seismic Fragility Analysis of the Washington Monument" by **S. Golnaz Shahidi** (M. EERI, 2013), Shamim N. Pakzad, **James M. Ricles** (M. EERI, 1995), and **James R. Martin** (M. EERI, 1990)

- "Post-Earthquake Reconnaissance of Unreinforced and Retrofitted Masonry Parapets" by **Marta Giaretton** (M. EERI, 2015), **Dmytro Dizhur** (M. EERI, 2014), Francesca da Porto and **Jason M. Ingham** (M. EERI, 2012)

To read all current preprint manuscripts posted, visit [Earthquake Spectra preprints](#). [↗](#)

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## MEMBER SPOTLIGHT

### ▶ Welcome New EERI Members

EERI welcomes the members who have recently joined the Institute. If you wish to connect with your fellow members, you can locate their contact information in the [EERI online membership directory](#), which requires logging in to the Member Resources Area of the EERI website.

#### **E-AFFILIATES**

Franklin Olaya Trinidad, Golder Associates, Inc., *Geotechnical*

Surendra Nadh Somala, IIT Hyderabad, *Seismologist*

Daniel Ulloa, Panama

#### **REGULAR**

Magued Iskander, NYU - Tandon School of Engineering, *Geotechnical*

Mei Kuen Liu, Forell/Elsesser Engineers Inc.

#### **STUDENT MEMBERS**

Zoya Benyaminov, NYU - Tandon School of Engineering, *Geotechnical*

Jingling Hua, University of Washington (Tongji University)

Binod Kafle, Kiel University, *Geotechnical*

Lohrasb Keykhosropour, University of California, Irvine, *Geotechnical*

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## CALENDAR

Follow these steps to add EERI Calendar to your own Google calendar.

1. Open [Google Calendar](#)
2. On the left, above "My Calendars," click Add + and then **From URL**.
3. Enter the EERI calendar's address in the field provided. EERI Calendar ics link  
[https://calendar.google.com/calendar/ical/eeri.org\\_s9151tit0ab26dnf2epn25d7rg%40group.calendar.google.com/public/basic.ics](https://calendar.google.com/calendar/ical/eeri.org_s9151tit0ab26dnf2epn25d7rg%40group.calendar.google.com/public/basic.ics)

4. Click **Add Calendar**. The calendar will appear on the left side under "Other calendars."

Tuesday, October 29, 2019 - October 30

**APGCE**

The Asia Petroleum Geoscience Conference & Exhibition (APGCE)

29 – 30 October 2019

KUALA LUMPUR CONVENTION CENTRE, MALAYSIA

[REGISTER](#)

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Monday, December 09, 2019 - December 13

**AGU 2019 Fall Meeting**

9-13 December 2019 San Francisco, California

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Tuesday, March 03, 2020 - March 06

**EERI 2020 Annual Meeting/Natl EQ Conference**

National Earthquake Conference & 72nd EERI Annual Meeting

March 3 - 6, 2020

Sheraton San Diego Hotel & Marina

San Diego, California

[website](#)

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Wednesday, March 04, 2020 - March 06

**2020 RBDCC**

5th Residential Building Design & Construction Conference (RBDCC)

Hosted by The Pennsylvania Housing Research Center

March 4-6, 2020

Penn Stater Conference Center

State College, PA.

[website](#)

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Monday, April 27, 2020 - April 30

**SSA 2020 Annual Meeting**

SSA 2020 Annual Meeting

27-30 April 2020 — Albuquerque, New Mexico

The 2020 Annual Meeting will be held in Albuquerque, New Mexico.

[Check back later for more information.](#)

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Monday, September 14, 2020 - September 18

**17th WCEE**

The 17th WCEE will be hosted in Sendai, Japan, from September 14th to 18th 2020. Check <http://www.iaee.or.jp/> for more information.

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