



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

▶ 2015 EERI Annual Meeting: Posters and Travel Grants


The **2015 EERI Annual Meeting** will be held **March 31 through April 3, 2015** at the Boston Park Plaza Hotel in Boston, Massachusetts. The theme is "Old Cities, New Earthquakes" and the **program** will highlight the particular seismic hazards and vulnerability of older structures common to so much of central and eastern North America. There will be unique sessions providing updates on EERI special projects, such as Learning From Earthquakes and the School Earthquake Safety Initiative. The detailed program will be released soon and registration opens **December 15, 2014!**



Poster Abstracts: Individuals interested in participating in one of the 2015 Annual Meeting poster sessions are invited to submit abstracts, not exceeding two pages in length, by **January 9, 2015**. Presenters will be notified in early February of acceptance. Academic posters that target advanced research nearing completion and focusing on technology transfer to practitioners are encouraged. Practitioner posters that target innovative applications of research in practice or identified code-based needs for research are also encouraged. Visit the **meeting website** to submit your abstract.



Travel Scholarships: Thanks to support from FEMA, several scholarships are available to assist student and young professional EERI members (out of school no more than three years) to attend the 2015 Annual Meeting. Financial support will be contingent upon participation in one of the poster sessions (see above), either through the applicant's own research project, or as a representative of a student chapter with a poster depicting the chapter's activities. Each scholarship will be for a fixed amount and can be used toward registration and travel expenses. Apply on the **meeting website** by **January 9, 2015**. Applicants should describe their current involvement in earthquake engineering or a related field.

 [Share this article](#)

▶ NEES/EERI Webinars: Seismic Performance of Architectural Precast Facade Systems

Two upcoming NEES/EERI Research-to-Practice webinars will feature NEES Projects and their affiliated studies on architectural precast façade systems. The first webinar focuses on *Research and Testing Programs*, and the second webinar focuses on *Design Implications and Lessons*

Learned.

There is no cost to attend the webinars. To register go to nees.org/webinar. PDHs will be available from EERI after the webinar for \$30.

Seismic Performance of Architectural Precast Facade Systems

A: **Research and Testing Programs: Friday, December 5, 2014**, 11:00 am - 12:30 pm PST

B: **Design Implications and Lessons Learned: Friday, December 12, 2014**, 11:00 am - 12:30 pm PST

Moderator:

Kurt McMullin (M. EERI, 1992), Professor, San Jose State University


Speakers:

Tara Hutchinson (M. EERI, 1995), Professor, University of California at San Diego

Mark Hildebrand, President, Willis Precast Co. Inc.

Glen Underwood, Chief Structural Engineer, Clark-Pacific Precast

Elide Pantoli (M. EERI, 2012), Doctoral Candidate, University of California at San Diego

 [Share this article](#)


► Save the Date: Data Collection Training Workshop

EERI and the UCLA student chapter of EERI are hosting a free one-day training workshop for professional and student members on **January 24th** at UCLA. The Earthquake Reconnaissance Data Collection Training Workshop will explain the role that EERI plays in post-earthquake reconnaissance and will highlight specific ways workshop attendees can participate in future reconnaissance activities after an earthquake in their area. For more information, see the [Workshop Agenda](#). To register for the workshop, visit: <https://eeri.org/cohost/registration/eeri-ucla-recon-workshop>.

The workshop will begin with a brief summary of past EERI reconnaissance efforts and the variety of ways members have been involved. The workshop will continue with discipline-specific presentations on methods of conducting post-earthquake reconnaissance following a damaging earthquake. In this workshop, the discipline-specific presentations include structural engineering, geotechnical engineering, and lifelines (bridges). Presenters will provide important background information for each discipline and will share best practices for conducting field damage assessments. The morning presentations will end with a training session on reconnaissance data collection tools used by EERI.

Following lunch and building on the morning presentations, an afternoon field exercise will provide participants with the opportunity to test their reconnaissance skills and to use the reconnaissance data collection tools at mock damage sites around the UCLA campus. The workshop will end with a short data visualization session and a summary of ways members can get involved in EERI reconnaissance activities after an earthquake in their area. The workshop will be followed by a no-host happy hour near the UCLA campus.

Space for the workshop is limited, [register today](#) to reserve your spot. Registration for the workshop will close on **January 16**.

 [Share this article](#)

► EERI Endowment Donors

EERI would like to thank the donors to the Endowment Fund and acknowledge their recent contributions. EERI's Endowment supports innovative projects that assure the Institute's continuing leadership in the earthquake engineering profession.

The list below reflects donations that the Institute received from July to mid-November 2014.

\$1,000	\$100-\$199	Keiko Morita
Carl Josephson	Lucy Arendt	Joseph Nicoletti

\$700

Jack Moehle

\$500

Robert Chittenden

Asadour Hadjian

Laurence Kornfield

William (Woody) Savage

\$200-\$400

Scott Ashford

Craig Davis

C. Terry Dooley

Stephen Kadysiewski

Peter Lee

Marshall Lew

Kenneth Mark

Cynthia Perry

Jochen Schwarz

Kenneth Stokoe

Mineo Takayama

Nesrin Basoz

S. Ali Bastani

Jonathan Bray

David Breiholz

David Cecil

Gary Christenson

Bruce Clark

Craig Cole

Mary Comerio

Kevin Coppersmith

Jeff Dragovich

Linda Emery

Phillip Gould

Melvyn Green

Polat Gulkan

William Hall

Owen Hata

Thomas Holzer

Edward Kavazanjian Jr.

Franklin Lew

Terry Lundeen

Jose Martinez-Cruzado

Peter May

Victor Pavon

Shamsher Prakash

Adrian Rodriguez-Marek

Fred Turner

Other Amounts

Omar Abdelkarim

Yan Chang-Richards

James Davis

William Elliott

Eldon Gath

James Goltz

Denis Istratii

Mohammad Joolazadeh

Faye Karababa

Mitsumasa Midorikawa

Yoshiaki Nakano

Tsuneo Okada

Robert Olshansky


Jean-Paul Pinelli

Pierre Sollogoub

Alfredo Urich

Alexander Uzdin

Thank you for your support!


 [Share this article](#)

▶ Remember EERI Before the Tax Year Ends

This December, reduce your April tax burden by making a donation to the **EERI Endowment Fund**. The generosity of EERI members has allowed the Institute to create many valuable programs since the Endowment's inception in 1994. Your gift will enable EERI to build on this substantial foundation by supporting innovative projects, independent of government funding, which will advance the field of earthquake engineering as well as benefit you, our members.

You may choose to donate to one of EERI's many important programs, like the World Housing Encyclopedia, or to the general endowment to support exciting new initiatives in the new year. The 2015 membership renewal form has a line to make a donation, or click on the "Donate" button on the top right of the [EERI homepage](#).

Under the Pension Protection Act of 2006, members aged 70.5 years and older may make donations from IRAs without claiming the distributions as income. Please consider discussing this opportunity to support the EERI Endowment with your tax advisor.

 [Share this article](#)

▶ 2015 Membership Renewal

If you have not already done so, please renew your EERI membership for 2015. Check for the customized renewal email sent to you or [visit the website to renew](#). If you renew by December 31, 2014 your name will be entered to win one of three **\$100 VISA gift cards**.

[Share this article](#)

▶ New Student Chapter of EERI

EERI is pleased to introduce the new EERI student chapter established at Cankaya University in Ankara, Turkey. The chapter's faculty advisor is **Salih Tileylioglu** (M. EERI, 2006) from the Department of Civil Engineering. The local contact is **Onur Celik**. Recently elected officers include **Dursun Ozelci** (President, M. EERI, 2014), **Dilara Akdoganbulut** (Vice President, M. EERI, 2014), **Ogulcan Ugurlas** (Treasurer, M. EERI, 2015), and **Guher Hergul** (Secretary, M. EERI, 2014).

[Share this article](#)

[Back to top >](#)

LEARNING FROM EARTHQUAKES

▶ Northeastern Nagano Earthquake: Preliminary Report

Report provided by Iiyama Kahori¹, Hiroyuki Goto², Koichiro Saguchi¹, Kosuke Chimoto¹, Hidetaka Saomoto³, Seiji Tsuno⁴, Masayuki Yoshimi³, Hitoshi Morikawa¹, and Hiroaki Yamanaka¹



On November 22, 2014, the northeastern part of Nagano prefecture in Japan experienced strong ground motion. Japan Meteorological Agency (JMA) estimated the scale of the earthquake at Mj6.7 (Mw6.2), and the hypocenter depth as 5km. The focal mechanism indicates lateral faulting, while the CMT solution indicates reverse faulting. This implies the earthquake did not occur on a simple planar fault. The source area is located on the Itoigawa-Shizuoka Tectonic Line, and more precisely along the Kamishiro active fault. Surface faulting were reported along the Kamishiro fault, and its maximum vertical displacement was about 90 cm.

Seismic intensities 6 lower on Japan Meteorological Agency (JMA) scale were observed at Nagano city, Otari village, and Ogawa village. Maximum peak ground acceleration and velocity among the available ground motion records were 572 cm/s² and 61 cm/s, respectively, at K-NET NGN005 station (organized by National Research Institute for Earth Science and Disaster Prevention) in absolute values on horizontal components.

The ground motion contains a strong pulse in the initial phase, which may correspond to the surface faulting, because the NGN005 station is located near surface faulting with about 40 cm vertical displacement.

The earthquake caused severe damage to residences only in a limited area around Horinouchi, in Kamishiro, Hakuba village. Our preliminary field survey indicates that more than 30% of wooden houses were severely damaged in the area. Open cracks on the ground surface were also observed along the level line. The residential damage must be due to strong ground motions because the residual displacements of the cracks were not significant, and also the surface faulting did not pass through the area.

Researchers have begun investigating why severe damage was concentrated in the area by evaluating precise damage reconnaissance reports, aftershock observation at temporal seismic stations, and several geophysical exploration surveys.



See more on the EERI [Learning From Earthquakes](#) website.

[Share this article](#)

[Back to top >](#)

NEWS OF THE PROFESSION

► Seismic Waves: NEHRP newsletter on ROVER

The U.S. National Earthquake Hazard Reduction Program (NEHRP) is the government's long-term program to reduce risks to life and property in the United States that result from earthquakes. Periodically, NEHRP publishes *Seismic Waves*, a newsletter to highlight accomplishments or recent activities.

The current edition of *Seismic Waves* highlights the newest release of a free, mobile software for pre- and post-earthquake rapid building evaluation called *Rapid Observation of Vulnerability and Estimation of Risk* (ROVER). Read *Seismic Waves* for more about the software and its newest features, or visit the [ROVER](#) website. Browse many interesting publications and success stories on the [NEHRP website](#). To sign up to receive NEHRP updates by email, just enter your address [here](#).

[Share this article](#)

► Global Earthquake Model Releases OpenQuake

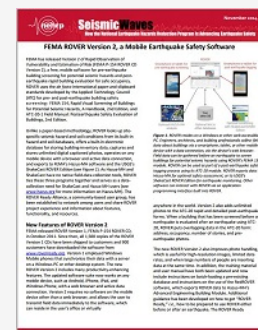
The Global Earthquake Model (GEM) is [releasing the OpenQuake platform](#), an innovative web-based risk assessment platform for modelling, viewing, exploring, and managing earthquake risk worldwide. The open source software will allow professionals from various fields of work to combine different GEM products and obtain key outputs for risk assessment, risk management, scientific researches and much more. The platform, fed by continuous contributions of users, will also act as an interactive environment where sharing knowledge, results, and resources from local to global. Learn more about available features and tools at [OpenQuake](#).

Join the **January 21, 2015 OpenQuake Release Event**, to be broadcast live online. Visit the [website](#) for more information. All variety of stakeholders will be celebrating this important achievement. Participate in the excitement on social media using the hashtag #OQRelease.

Speaking at the *OpenQuake* Release Event will be Margareta Wahlström, United Nations' Special Representative of the Secretary-General (SRSG) for Disaster Risk Reduction and the head of UNISDR, the United Nations Office for Disaster Risk Reduction. It will be held in the spectacular Cardinale Agostino Riboldi (CAR) [College Auditorium of Pavia](#).

[Share this article](#)

[Back to top >](#)



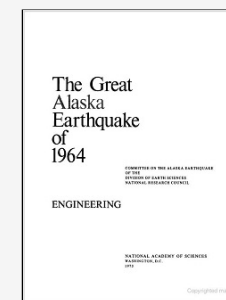
ANNOUNCEMENTS

▶ Classic Volume: The Great Alaska Earthquake of 1964

Free to a good home: EERI has a few copies of the classic publication *The Great Alaska Earthquake of 1964*, the 1200 page well illustrated Engineering volume. Published in 1973 by the National Academy of Sciences, it includes a General Introduction, Conclusions, and Recommendations section written by EERI founding member and past president **George Housner** and **Paul Jennings** (M. EERI, 1967). This classic volume would be a valuable edition to your book shelves. We will be happy to send it to you if you are able to pay for shipping or pick the volume up from the EERI office. Please email [Juliane Lane](mailto:juliane.lane@eeri.org) if you are interested.

[Share this article](#)

[Back to top >](#)



MEMBER SPOTLIGHT

▶ Adeli Named one of World's Most Influential Scientific Minds

Thomson Reuters, a media and information firm, has released the publication of The World's Most Influential Scientific Minds 2014 (ScienceWatch.com). Based on journal papers published between 2002-2012, these individuals are ranked in the top 1 percent for the number of citations by their peers. Long-time EERI member **Hojjat Adeli** (M. EERI, 1976), Professor of Civil Engineering at The Ohio State University, is among the honorees in the category of Engineering. Adeli is a 1998 University Distinguished Scholar and the Editor-in-Chief of the *International Journal of Neural Systems*.

Adeli is a 1998 University Distinguished Scholar at The Ohio State University, a Distinguished Member of the American Society of Civil Engineers and a Fellow of several societies. He is the Founder and Editor-in-Chief of the international journals *Computer-Aided Civil and Infrastructure Engineering*, and *Integrated Computer-Aided Engineering*. He is the author of 15 books including *Intelligent Infrastructure – Neural Networks, Wavelets, and Chaos Theory for Intelligent Transportation Systems and Smart Structures* (Taylor & Francis, 2009) and *Wavelet-Based Vibration Control of Smart Buildings and Bridges* (Taylor & Francis, 2009).

[Share this article](#)



▶ Welcome New EERI Members

EERI would like to welcome 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.

Student Members

Dylan Allen, University of Connecticut, *Civil*
Hamza Aslam, University of Connecticut, *Civil*
Anastasia Athanasiou, Universita degli Studi di Catania, *Civil*

Muammer Avci, University of Connecticut, *Structural*
Pouria Bahmani, Colorado State University, *Structural*
Ramsey Barghout, Northeastern University, *Civil*
Riccardo Cappa, UC Irvine, *Geotechnical*
Bryan Carro, CSU Long Beach
Freddy Cerezo, CSU Los Angeles, *Civil*
Sok Chhay, UCLA, *Civil*
Ismael De La Paz, University of Puerto Rico, *Civil*
Peter Falsey, Northeastern University, *Civil*
Anshul Goyal, University of Texas - Austin, *Structural*
Joy Guey, UCLA, *Urban Planner*
Megan Hanrahan, UC Irvine, *Structural*
Yutian He, Rice University, *Architect*
Andrew Ho, UC Irvine, *Civil*
Nicholas Hoyt, University of Michigan, *Structural*
Chris Ikenberry, University of Kansas, *Structural*
Christopher Jansen, UCLA, *Civil*
John King, UC Irvine
Evangelos Kontozoglou, Virginia Tech, *Geotechnical*
Xu Li, UC Irvine, *Structural*
Francisco Magallon Jr., UC Irvine, *Structural*
Brenda Maldonado, UC Irvine, *Civil*
Zachary McFann, UCLA
Stylianios Minas, University College London, *Structural*
Ishan Nayak, Rice University, *Civil*
Abigail Owens, Northeastern University, *Civil*
Richelle Penn, University of Michigan, *Civil*
Kerry Regan, CSU Fullerton, *Structural*
John Sanchez, UC Irvine, *Civil*
Christopher Suess, Northeastern University, *Civil*
Siu Tim Tang, UC Irvine, *Structural*
Armand Terzian, UC Irvine, *Civil*
Heather Tran, UC Irvine, *Civil*
Long Vo, North Carolina State University, *Geotechnical*
Reginald Wang, Rice University, *Architect*
Jessica Williams, Brigham Young University, *Civil*

[Share this article](#)

[Back to top >](#)


 **JOB OPPORTUNITIES**

▶ [Howard University: Professor of Geotechnical Engineering](#)

The Department of Civil and Environmental Engineering at Howard University invites applicants for a tenure track faculty position in geotechnical engineering. Areas of interest include, but are not limited to: geomechanics, geotechnical earthquake engineering, geosynthetics/materials engineering, and geoenvironmental engineering. This position is a full-time tenure track position at the assistant professor rank. Applicants are expected to develop innovative, collaborative research programs, teach undergraduate and graduate classes and engage in professional development and service activities. The successful candidate should have the potential to develop interactions with other faculty members within the College of Engineering, Architecture and Computer Science, as well as in other colleges at Howard University. Applicants must have an earned Ph.D. in civil engineering or a closely related discipline complete by the expected start date of this position. Potential to earn a professional engineer's license is preferred.

Applicants should include a cover letter, curriculum vitae, research statement, teaching statement, and contact information for five references. Application materials should be submitted electronically to howardceacs@howard.edu. Please indicate position number CIVLHU2014 in the subject line of the email. For full consideration, please submit an application by 11:59 PM EST on January 15th. Applications will be accepted until the position is filled. Proposed start date is August 15, 2015. For more information on Howard University and the College of Engineering, Architecture and Computer Sciences, please visit www.Howard.edu.

For more information, contact Dr. Charles Glass, Search Committee Chair, cglass@howard.edu, 202-806-6571.

 [Share this article](#)

[Back to top >](#)

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
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](#)

Monday, December 09, 2019 - December 13

AGU 2019 Fall Meeting

9-13 December 2019 San Francisco, California

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](#)

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](#)

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.](#)

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.



Earthquake Engineering Research Institute

499 14th Street, Suite 220, Oakland, CA 94612-1934 USA

phone: 510-451-0905 | fax: 510-451-5411 | email: eeri@eeri.org | website: www.eeri.org

Copyright © 2019 EERI. All Rights Reserved.