



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

► Farzad Naeim to be Awarded the 2017 Bruce A. Bolt Medal



Farzad Naeim (M. EERI, 1983), President of Farzad Naeim, Inc., and Adjunct Professor of Engineering at University of California, Irvine, has been named the 2017 recipient of the Bruce A. Bolt Medal. The Bruce Bolt Medal is awarded jointly by the *Consortium of Strong Motion Observation Systems (COSMOS)*, the *Seismological Society of America (SSA)*, and the *Earthquake Engineering Research Institute (EERI)* to recognize individuals worldwide whose accomplishments involve the promotion and use of strong-motion earthquake data and whose leadership in the transfer of scientific and engineering knowledge into practice or policy has led to improved seismic safety.

For more than three decades, Dr. Naeim has been making significant contributions to earthquake engineering, technology and public policy. He consistently demonstrates extraordinary leadership transferring knowledge into practice to improve seismic safety. A prime example is his ongoing work with the City of Los Angeles to develop regulations for the design and construction of very tall buildings. His input and perseverance has resulted in significant seismic safety improvements in Los Angeles and other major cities.


Dr. Naeim has tirelessly served in leadership roles, including President of the Earthquake Engineering Research Institute (EERI), Editor-in-Chief of *Earthquake Spectra*, Chair of the Governance Board of the U.S. Network for Earthquake Engineering Simulation (NEES), and Chair of the 10th U.S. National Conference on Earthquake Engineering. He currently serves on the Seismic Advisory Board of the California Department of Transportation (CALTRANS) and is the Chair of the California Strong Motion Instrumentation Advisory Committee of the California Geological Survey.

Before founding his own firm, as Technical Director and General Counsel at John A. Martin & Associates (JAMA), Dr. Naeim established a mission to take the best technology publicly available and develop it into tailor-made design methodologies, analysis software, and earthquake-resistant design technologies that improve seismic safety. Over the years, he has developed 48 software systems for earthquake engineering design and education.

Dr. Naeim has often been recognized for excellence in his field. He received the Fazlur Khan Medal for life-time achievement from the Council on Tall Buildings and Urban Habitat and has been awarded six Outstanding Journal Paper Awards from the Los Angeles Tall Buildings

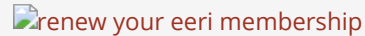
Structure and Design Council. He has authored four textbooks, 14 textbook chapters, more than 120 journal papers, and is the recipient of grants from such diverse agencies as EERI, FEMA, the County of Los Angeles, the California Strong Motion Instrumentation Program, Applied Technology Council (ATC), and the United States Geological Survey (USGS), for studying various damage characteristics of earthquakes and their impact on seismic design practice. Not one to rest on his laurels, 20 years after receiving his Ph.D., Farzad obtained a Juris Doctor degree. In addition to being a licensed Civil and Structural Engineer, he is a licensed Patent Attorney.

Dr. Naeim will receive the Bruce Bolt Medal at the [EERI Annual Meeting](#) on March 7-10, 2017 in Portland, Oregon. More information can be found at [EERI.org](#).

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▶ Don't be Left Behind! Renew your EERI Membership for 2017

If you have not already renewed your [EERI membership](#) for 2017, please don't wait.




Whether you've read an [Earthquake Spectra](#) article; followed news pertinent to our profession in [The Pulse of Earthquake Engineering](#) e-newsletter; searched for and found colleagues in our online [Membership Directory](#); browsed our online [Earthquake Photo Galleries](#); participated in an [EERI project](#); attended an [EERI meeting, workshop, seminar](#); or plan to attend the [69th Annual Conference in Portland](#) this year, we hope you continue to find value in your EERI membership.


Every year since 1948, EERI has strived to fulfill its mission — to gather and disseminate information about earthquake risk reduction and to advocate for realistic measures to reduce the harmful effects of earthquakes. In the face of natural disasters, multidisciplinary collaborations are critical to our earthquake risk reduction mission — and so is your continued membership and support.

On January 10, all EERI members (except student and honorary members) were sent via email a renewal notice for 2017. Following the renewal link in your email will direct you to a personal renewal page showing contact information with options for selecting chapter membership and making a voluntary contribution to the EERI Endowment Fund. If you can't locate the email, don't fret. You can simply [click here to login and renew your membership](#).

For questions about membership, please contact Juliane Lane at Juliane@eeri.org.

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▶ Register for the EERI 69th Annual Meeting



EERI 69th Annual Meeting

"The Really Big One: The Road to Resilience"

March 7-10, 2017

Portland Marriott Downtown Waterfront

New workshops added:

[Post Earthquake Reconnaissance Workshop \(PERW\)](#)

[Reducing the Risks of Nonstructural Earthquake Damage \(FEMA E-74\)](#)

REGISTER NOW

Sign up now to receive the best discounts - rates increase February 8th.

Meet, network with, and learn from hundreds of fellow professionals in practice and research. Attend lectures, special sessions, breakouts, the EERI seismic design competition and team auction. Need more reasons to attend? Portland's unexpected attractions range from gardens and museums to breweries, artisan markets, hand roasted coffee, doughnuts to die for, the longest running farmers market in the nation and the largest independent bookstore in the world.

Check out the complete list of [Things to do in Portland](#) on our [2017 Annual Conference website](#).

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ANNOUNCEMENTS

▶ EERI NYNE Chapter to hold 1-Day Symposium on New Zealand Earthquakes February 2, 2017

The EERI-NYNE Chapter is sponsoring a 1-day symposium and panel discussion:

2010-2011 and 2016 New Zealand Earthquakes: Assessment, Lessons, Planning, Reconstruction, and Code Modifications - Relevance to New York City and U.S. Critical Infrastructure.

The event will be held on Thursday, February 2, 2017 from 3:30 - 7:30 PM at The General Society of Mechanics & Tradesmen, 20 W. 44th Street, New York, NY.

Attendance is free but pre-registration is required due to space limitations. Please email nyne@eeri.org to register.

PDH units are offered at no cost to EERI members and \$25 to non-members.

The program will feature talks by four of the foremost seismic experts involved in the 2010/11 Canterbury New Zealand and 2016 Kaikoura, New Zealand earthquakes: **Thomas D. O'Rourke** (M.EERI,1980), **Jonathon D. Bray** (M.EERI,1990), **Brendon A. Bradley** (M.EERI,2012) and **Ellen M. Rathje** (M.EERI,1996).

A panel discussion will follow featuring **Andrew Whittaker**, **David Wald** (M.EERI,1988), **Ramon Gilsanz** (M.EERI,2011), **Sissy Nikolaou** (M.EERI,2004), President of the EERI NYNE Chapter, **Mary Comerio** (M.EERI,1988) EERI President.

[More information on the symposium can be found on the promotional PDF here.](#)

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PUBLICATIONS

▶ Earthquake Spectra: Preprint Manuscripts


One preprint manuscript has been posted to the Earthquake Spectra website prior to formal publication. The paper to be published is:

**EARTHQUAKE
SPECTRA**

- Modeling the Residential Building Inventory in South America for Seismic Risk Assessment by **Catalina Yepes-Estrada** (M.EERI,2016), **Vitor Silva** (M.EERI,2014), Jairo Valcárcel, Ana Beatriz Acevedo, Nicola Tarque, **Matías A. Hube** (M.EERI,2005), Gustavo Coronel, Hernán Santa María

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

If you have questions about Spectra, contact Managing Editor Liz Stalnaker at liz@eeri.org

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WELCOME NEW MEMBERS

▶ Welcome New Members

EERI welcomes 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.

REGULAR

JunHee Kim, Yonsei University

Taiki Saito, Toyohashi University of Technology


YOUNG PROFESSIONAL

Panagiota (Yota) Kokkali, WSP/Parsons Brinckerhoff, *Geotechnical*

STUDENT

Ahmed Al-Kashri, UCLA, *Civil*

Bryan Wen Xi Ong, UCLA, *Civil*

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STUDENT SPOTLIGHT

▶ PSU Forms New Student Chapter of EERI

EERI is pleased to welcome the new student chapter established at Portland State University.

The chapter's faculty advisor is **Arash Khosravifar** (M.EERI,2016), Assistant Professor of Civil and Environmental Engineering.

The EERI contact member is **Yumei Wang** (M.EERI,1989), Geohazards Engineer with the Oregon Department of Geology and Minerals Industries.

Founding student members are **Kathleen Mitchell** (M.EERI,2016), **Erin Chew** (M.EERI,2016), **Ke Lillah Slingluff** (M.EERI,2016), **Quasay Aqooly** (M.EERI,2016), **Tamae Spruell** (M.EERI,2016), **Tsun-Ming Jonathon Sze** (M.EERI,2016) and **Joseph Hill** (M.EERI,2016).

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DONATIONS

▶ EERI Endowment Donors

EERI would like to thank 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 recent donations to the Institute.

\$1,200	\$700	\$100 - \$250	Other Amounts
Thomas O'Rourke	G. Rodolfo Saragoni	Donald Anderson Mehri Ansari Baki Ozturk Robert Scher Marko Schotanus Anthony Shakal	Carmine Galasso Patricio Placencia Luis Romero Arturo Schultz

Thank you for your support!

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LEARNING FROM EARTHQUAKES

▶ New Report on the New Zealand Earthquake and Tsunami Released

The Earthquake Engineering Research Institute (EERI) has issued a new report: **EERI Preliminary Notes on Tsunami Damage and Response: Tsunami Generated by M7.8 Kaikoura, New Zealand, Earthquake on November 14, 2016.**

This report is a product of EERI's Learning From Earthquakes (LFE) program, prepared by **Rick Wilson** (M. EERI, 2010), Senior Engineering Geologist with the California Geological Survey, and **Laurie Johnson** (M. EERI, 1990), Laurie Johnson Consulting/Research.



The report summarizes the damage and response outcomes of the tsunami generated by the M7.8 Kaikoura, New Zealand, earthquake on November 14, 2016. Although an LFE field team was not deployed to investigate tsunami impacts, the report relies on the professional experience of the authors, and provides information compiled from numerous references, input from colleagues, and primary data collected during and after the event. Laurie Johnson was a member of the Geotechnical Extreme Event Reconnaissance team supported by the National Science Foundation to investigate geotechnical effects of the earthquake.

A PDF of the report is available as a free download. [Read and download report](#)

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► EERI Partners with IEEA to Report on December 7, 2016, Mw 6.5 Earthquake in Indonesia

A joint effort between the Earthquake Engineering Research Institute (EERI), the Indonesian Earthquake Engineering Association (IEEA or AARGI), and Build Change is underway to develop a report pertaining to the Mw 6.5 earthquake that struck Pidie Jaya Regency of Aceh Province, Indonesia, on December 7, 2016, at 5:03 AM. The project is being facilitated by **Hartanto Wibowo** (M. EERI, 2007) and **Edwin Lim** (M. EERI, 2011).

The earthquake's epicenter was located at 5.283°N 96.168°E, 98.5 km southeast of Banda Aceh, the capital of Aceh Province, with a hypocenter 13 km below the surface. Pidie Jaya Regency has a population of 140,000 in an area of approximately 1,100 km. The main shock was felt for 10-15 seconds. The Indonesian Agency for Meteorological, Climatological, and Geophysics reported more than 100 aftershocks.

A release from Indonesian National Board for Disaster Management (or Badan Nasional Penanggulangan Bencana/BNPB) estimates the total economic loss from this earthquake at 2.94 trillion Rupiah (approximately \$221 million U.S.). The provincial government declared a state of emergency for 14 days following the quake, which caused 104 deaths, injured hundreds more, and displaced about 50 percent of the district's population. Damage to 11,832 residential homes (2,202 badly damaged), 102 schools (22 badly damaged, 23 moderate), and more than 300 commercial and public buildings, religious establishments, and healthcare facilities has been reported and is yet to be verified. Infrastructure damage to roads, bridges, transformers and electrical poles resulted in disruption to services throughout the area.






















Photo: Jami' Quba Pangwa Mosque Collapsed in the Earthquake
Photo credit: Si Gam, Creative Commons Attribution-ShareAlike.

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NEWS OF THE PROFESSION

▶ [Links to Recent News and Views](#)

Ten Recent Stories, Reports, or Opinions from Around the Web

-  **one** **Natural Hazards of 2016** (USGS Press Release) The U.S. Geological Survey works with partners to monitor, assess and conduct research on a wide range of natural hazards so that policymakers and the public have the understanding they need to enhance preparedness, response and resilience. [Read More](#) 
-  **two** **Portland State University Tests New Green Wood's Seismic Strength** (Pamplin Media Group) **Peter Dusicka** (M. EERI, 2000), associate professor at PSU's Department of Civil and Environmental Engineering, is the lead investigator on a 3-year \$400,000 National Science Foundation grant to study two aspects of mass timber construction: its sustainability and how well it resists earthquakes. [Read More](#) 
-  **three** **Nepal Removes Leader of Earthquake Post-quake Rebuilding Effort** (New York Times) Nepal, still in shambles after two devastating earthquakes, removed its top reconstruction official on Wednesday (01/11/17) and reinstalled his predecessor. [Read More](#) 
-  **four** **Haunting Drone Footage Shows Towns Destroyed by Italy's Earthquakes Blanketed in Snow as Polar Front Sweeps Over the Country** (The Telegraph) Haunting drone footage has been released of Amatrice, the hilltop town worst hit by Italy's earthquake last summer, blanketed in snow. [Read More](#) 
-  **five** **Scientists Worry Italy's Next Earthquake Might Topple Michelangelo's David** (IFLSience) Michelangelo's statue of David has been standing proud for 500 years. However, scientists and art historians are becoming concerned the 5.2-meter (17') statue in Florence is at risk of collapsing during Italy's next earthquake, the Times reports. [Read More](#) 
-  **six** **Istanbul's Biggest Threat Doesn't Come From Terrorists** (Washington Post) The Turkish government has previously announced several campaigns to address the seismic risk Istanbul faces. [Read More](#) 
-  **seven** **Subsea Double-Decker Eurasia Tunnel Opens** (Civil Engineer) The Eurasia tunnel in Turkey which connects Asia and Europe has opened. Engineering challenges included a world-first where 13.7m wide seismic rings were mounted for increasing earthquake resistance a depth of 106m. The 14.6km tunnel has taken more than 14 million man hours to construct with 700 engineers working on the project. [Read More](#) 
-  **eight** **Seahawks Score Touchdown and Fans Shake Earthquake Monitors** (Live Science) The Pacific Northwest Seismic Network installed monitors to measure the rumble created by Seahawks fans at CenturyLink Field during Saturday's game against the Detroit Lions. [Read More](#) 
-  **nine** **Here Are a Few Things You May Not Have Known About Earthquake Insurance in California** (Pasadena Star News) Many have not opted to get earthquake coverage because they think rates are higher than they really are. But Glenn Pomeroy, CEO of the California Earthquake Authority (CEA), is looking to change that. [Read More](#) 
-  **ten** **As Earthquake Threat to Seawall Looms, Can San Francisco Find Billions to Fix It?** (Hoodline) San Francisco's aging seawall has serious seismic vulnerability in the event of a big earthquake. The Port is one of a gaggle of city agencies working to plan and fund a

seismic retrofit of the seawall. [Read More](#) 

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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
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.



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