



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

▶ 2017 EERI Annual Meeting

Lucy Jones (M. EERI, 2001) has been announced as the 2017 EERI Distinguished Lecturer, and will present at the 69th Annual Meeting in Portland, Oregon, on Wednesday, March 7, 2017.

Dr. Jones is recognized nationally and internationally as an authority on natural hazards and disaster risk reduction and recently served as the Science Advisor for Seismic Safety to Mayor Eric Garcetti and the City of Los Angeles.

More details on the Distinguished Lecture and the Annual Meeting, which is themed "The Really Big One: Road to Resilience" are on the way. For now, **save the dates** on your calendar to join us in Portland on **March 7-10, 2017**.

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▶ EERI Annual Student Paper Competition: Call for Submissions

The Earthquake Engineering Research Institute is pleased to announce its Annual Student Paper Competition. The purpose of the competition is to promote scholarly involvement of students in earthquake engineering and the earthquake hazards research community.

The EERI Student Paper Competition is open to graduate and undergraduate applicants. Applicants must be enrolled at an accredited U.S. college or university and must be U.S. residents. Contest rules for graduate and undergraduate paper categories are available on the competition flyer (PDF) at https://www.eeri.org/wp-content/uploads/Student_Paper_Competition_Flyer.pdf

Guidelines for preparing the manuscript are accessible on the EERI website at http://www.eeri.org/about-eeri/honors-awards/eeri-competitions/#student_paper

All papers must be submitted by **December 15, 2016**, to the [Student Paper Online Submission Form](#).

The graduate and undergraduate paper winners will be invited to the 2017 EERI Annual Meeting in Portland, Oregon, March 7–10, 2017, and will receive a complimentary registration and a stipend to offset travel costs. The top paper winner in the graduate category may be invited to present at the Annual Meeting.

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► Employment Opportunity: EERI Program Associate

EERI seeks a dynamic, creative, experienced, and technology-aware Program Associate. This person will be a key staff member with internal and external responsibilities for multiple projects and programs. The Program Associate will also provide support or lead on a range of association activities such as webinars, annual meetings, conferences, and member and chapter relations.



The Program Associate must be self-motivated, flexible, an excellent communicator, and an outstanding team player. This position requires someone eager to learn and innovate, and ready to take responsibility. An interest in and knowledge of earthquake engineering and hazard risk reduction is highly desirable.

The Program Associate should be adept and comfortable working in a collaborative working environment. Some travel is required. The starting salary is \$65,000 to \$70,000, and is based on qualifications and experience.

EERI is a non-profit membership-supported technical association with an international audience. The Institute serves as the U.S. national society for earthquake professionals and undertakes a number of projects and programs for federal and international agencies and foundations, as well as internally funded projects that benefit the Institute and its 3,000 members. More information on EERI programs and projects can be found at [EERI Projects](#).

EERI provides a comprehensive employee benefits package, paid vacation, holidays, sick days, and a casual professional work environment in City Center Oakland on the BART line.

Primary Responsibilities include:

- Support for program development, budgeting, management and reporting
- Support and guidance for selected technical and administrative committees
- Shared oversight and mentoring of EERI interns
- Development and planning for EERI webinars, annual meetings and conferences
- Building and maintaining strong relationships with partner organizations, funding agencies and EERI members

Desired Relevant Experience:

- Proven ability to effectively manage multiple projects and assignments
- Two or more years experience in a related field or position
- Experience with meeting planning and organizing, both in-person and online
- Hands-on successful program management experience
- Mobilizing and coordinating professional-level volunteers
- Working with professionals from a range of disciplines and backgrounds
- Working with students and student groups at the university level
- Experience working with non-profit organizations
- Experience with a professional society as an engaged member
- Familiarity with the hazard risk reduction community

APPLICATION DEADLINE: **October 19, 2016**

Candidates should send a letter of interest and resume with supporting qualifications to Jay Berger, Executive Director, at jobs@eeri.org. All applications will be kept in confidence. No calls please.

[Program Associate Opportunity Flyer \(PDF\)](#)

Thank you for your interest in working with EERI.

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▶ 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 that the Institute has received.

\$500	\$200	\$150
Robert & Barbara Chittenden Laurence Kornfield and Catherine Bauman	Peter L. Lee	Rob Jackson – in honor of the late John J. Nicholl Jr.

Thank you for your support!

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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 Humans can make rockfalls from earthquakes more dangerous** (The Conversation) New research on rockfall and landslide fatality risk. theconversation.com
- 2 Satellite-based radar confirms man-made Texas earthquakes** (Fire Engineering) Five earthquakes, one reaching magnitude 4.8, were caused by injections of wastewater. fireengineering.com
- 3 Earthquake-proofing the tallest skyscraper in California** (CNN) Long and narrow design makes new Wilshire Grand a challenge in earthquake country. cnn.com
- 4 Italy's art historians, firefighters and special police scramble to rescue quake-stricken Amatrice's heritage** (PRI) Paintings, statues, candlesticks and church bells recovered. pri.org
- 5 Earthquake 'Magnitude' Misses the Mark** (The Wall Street Journal) Measuring 'intensity' is the true test of seismic power. wsj.com

- 6 **GAO: 40 percent of federal buildings are in earthquake areas** (U.S. GAO) Government Accountability Office says more needs to be done to protect federal buildings and the employees they house. gao.gov 
- 7 **Portland needs earthquake retrofits before old buildings "become deathtraps"** (The Oregonian) Opinion piece supporting mandatory unreinforced-masonry retrofits. oregonlive.com 
- 8 **Photos of the Quake Damaged Christchurch the Public Never Get to See** (Vice) Urban explorer photographers that have sneaked into the "red zone." vice.com 
- 9 **Why cruise liners could be a crucial part of the response to national disasters** (The Conversation) 2014 earthquakes in Greece lead to innovative response that could provide a template. theconversation.com 
- 10 **On The Day Brad and Angelina Split, A Massive Earthquake Erupted — Literally** (Elite Daily) CNN officially confirmed earthquake and celebrity breakup were not connected. elitedaily.com 

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STUDENT SPOTLIGHT

▶ [New Student Chapter of EERI](#)

EERI is pleased to introduce the new EERI student chapter established in the Dominican Republic at Pontificia Universidad Católica Madre y Maestra—Campus Santo Tomás de Aquino. The chapter's faculty advisor is **Jaruselsky Pérez-Cuevas** (M. EERI, 2016) Head of the Civil Engineering Department. The local professional contacts are **Leonardo Pockels** (M. EERI, 2016) and **Ashley Morales-Cartagena** (M. EERI, 2016). **Sissy Nikolaou** (M. EERI, 2004) and **Guillermo Diaz-Fañás** (M. EERI, 2015) will serve as professional advisors from the EERI NY-NE Regional Chapter. Recently elected officers include **Javier Crespo Almanzar** (President, M. EERI, 2016), Casandra Nuñez (Vice President), Julio Pimentel (Treasurer), and Marivid Rijo (Secretary).

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▶ [EERI Post-Graduation Internship Positions Available](#)

The Earthquake Engineering Research Institute (EERI) has one or two internship positions available for recent college graduates who are interested in gaining valuable professional experience while supporting the Institute's mission to reduce earthquake risk. These positions can begin as early as November 2016. Applications should be submitted by **October 19, 2016**.

The approximately six-month internships offer engagement in a number of interesting EERI projects and Institute activities, including [Learning from Earthquakes](#), the [School Earthquake Safety Initiative](#), the EERI Annual Meeting, and technical seminars and webinars.

Tasks are varied, although day-to-day work focuses on supporting EERI projects and staff through research, project and event coordination, and website development and maintenance.

Internship candidates should have:



- A bachelor's or master's degree in engineering, science, architecture, or public policy.
- Familiarity and interest with issues in earthquake risk reduction
- Proficiency in Excel and Word
- Basic HTML skills and some knowledge of website development and maintenance (WordPress and Joomla), or willingness to learn
- Skills with graphic design programs such as Adobe InDesign or Illustrator
- Ability to take initiative and independently solve problems
- Curiosity, strong interpersonal skills, and a flexible attitude towards work
- Basic GIS skills and knowledge of GIS software (ArcMap, ArcGIS Online) or a willingness to learn

The interns will need to work in the EERI office, which means living in the San Francisco Bay Area. (No moving or housing support provided). EERI interns are provided a monthly stipend of \$2,200.

EERI Post-Graduation internships are a great way to gain valuable professional experience, to be involved in meaningful projects related to seismic safety and risk reduction, and to make connections with EERI's multi-disciplinary professional community. The EERI office is conveniently located in downtown Oakland, close to BART and the freeway.

You can learn more about the EERI Internship program at <https://www.eeri.org/about-eeri/post-graduate-internship-program/>

Interested applicants should upload a resume, a one-page cover letter highlighting their qualifications and interest in the EERI internship program, and the names of two references to the secure website here: <https://www.eeri.org/cohost/registration/internship-application>. Preference is given to EERI members. Applications should be submitted by **October 19, 2016**. New internship positions become available every four to six months.

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► Request a Friedman Family Visiting Professional Lecture

EERI is pleased to announce the opening of the **Friedman Family Visiting Professionals Program** for the 2016-2017 academic year. With the generous support of an endowment from the Friedman Family and supplemental support from FEMA, the program provides travel funding for expert professionals to visit a university to deliver a lecture that showcases their experiences in a professional career associated with earthquake engineering and earthquake risk reduction.

Student Chapters can choose from a list of 19 expert EERI professionals that span disciplines including seismology, geotechnical engineering, structural engineering, insurance, emergency management, and public policy. For a list of all professionals, visit: <https://www.eeri.org/projects/friedman-family-visiting-professionals-program/>



EERI Student Chapters are encouraged to complete the application form to request a visit from a Friedman Family Visiting Professional at <https://www.surveymonkey.com/r/friedman16-17> [↗](#)

Rank your top three professionals and briefly describe the reason for your choices in 300 words or less. Review of Student Chapter requests will begin on **October 21, 2016**, and occur on a rolling basis until all travel funds are awarded. All chapters are encouraged to apply before this date for the best chance of being selected for the program. Depending on funding availability, approximately six-ten trips will be funded for visits between January and June 2017.

For more information about the Friedman Family Visiting Professionals program, visit: <https://www.eeri.org/projects/friedman-family-visiting-professionals-program/>

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ANNOUNCEMENTS

▶ California Seeks Nominations for Seismic Safety Commission

The Office of California Governor Edmund G. Brown, Jr. is seeking a geotechnical engineer to fill an open seat on the state's [Alfred E. Alquist Seismic Safety Commission](#). [↗](#)



The Commission investigates earthquakes, researches earthquake-related issues and reports, and recommends to the Governor and Legislature policies and programs needed to reduce earthquake risk.

Among the duties of the Commission are: managing California's Earthquake Hazards Reduction Program; reviewing seismic activities funded by the State; providing a consistent policy direction for earthquake-related programs for agencies at all government levels; proposing and reviewing earthquake-related legislation; conducting public hearings on seismic safety issues; recommending earthquake safety programs to governmental agencies and the private sector; investigating and evaluating earthquake damage and reconstruction efforts following damaging earthquakes.

Interested candidates can access the appointment application form at https://www.gov.ca.gov/m_appointments.php [↗](#)

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▶ Lehigh University Seeks Two Post-Doc Research Associates

Professor **Dan M. Frangopol** (M. EERI, 1987) at Lehigh University in Bethlehem, Pennsylvania, is looking for two Post-Doctoral Research Associates on projects related to life-cycle reliability, maintenance, health monitoring, management and optimization of civil and marine infrastructure systems. Candidates must have a Ph.D. and background and research accomplishments in structural engineering in one or more of the following areas:



Structural Reliability and Probabilistic Methods, Monitoring-Maintenance-Management-Cost of Civil and Marine Infrastructure (particularly bridges and ships), Structural Optimization, and Life-Cycle Engineering.

Lehigh University has internationally respected programs and outstanding structural research facilities including the Computational Laboratory for Life-Cycle Civil Engineering. Starting date is December 2016, but this is negotiable. More information and how to apply at <http://www.lehigh.edu/~dmf206/files/postdoc.pdf> [↗](#)

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▶ NC State Invites CCEE Faculty Position Applicants

The Department of Civil, Construction, and Environmental Engineering (CCEE) at North Carolina State University (NCSU) expects to fill up to five tenure-track faculty positions over the next two years. The department seeks to augment its expertise by inviting applicants who can contribute to one or more aspects of sustainable and resilient infrastructure. Applications in all areas of civil engineering will be considered. At least one of the positions is expected to be in Structural Engineering. Successful candidates should be able to participate in multidisciplinary initiatives to support the missions of the department and the college. Applicants at all ranks are encouraged to apply, and exceptional candidates may be considered for an endowed chair position. An earned doctorate degree in civil engineering or a closely related field is required. Post-doctoral experience, professional experience, and a professional engineering license are desirable, but not required.

Review of applications will begin on **October 15, 2016**, and applications will be accepted until the positions are filled. Interested applicants should apply online at <http://jobs.ncsu.edu/postings/75131> (position #00000549). Attach individual pdf files of the following: a cover letter, resume, a combined statement of research and teaching interests, transcripts of graduate work, copies of no more than three representative publications, and contact information for at least three references.

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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:

**EARTHQUAKE
SPECTRA**

- "A Generalized Conditional Mean Spectrum and its application for intensity-based assessments of seismic demands" by **N. Simon Kwong** (M. EERI, 2010) and **Anil K. Chopra** (M. EERI, 1973)
- "Tests on Thin Reinforced Concrete Walls Subjected to In-plane and Out-of-plane Cyclic Loading" by João Almeida, **Ovidiu Prodan** (M. EERI, 2011), Angelica Rosso, and **Katrin Beyer** (M. EERI, 2010)
- "Intensity measure correlations observed in the NGA-West2 database, and dependence of correlations on rupture and site parameters" by **Jack W. Baker** (M. EERI, 2004) and **Brendon A. Bradley** (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-AFFILIATE MEMBERS

Ashley Morales-Cartagena, Pontificia Universidad Catolica Madre y Maestra (CSTA), *Geotechnical*
Jaruselsky Perez-Cuevas, Pontificia Universidad Catolica Madre y Maestra (PUCMM), *Civil*
Leonardo Pockels, Pontificia Universidad Catolica Madre y Maestra (PUCMM), *Civil*

REGULAR MEMBERS

Gian Andrea Rassati, University of Cincinnati, *Structural*
Hirohito Takahashi, Meijo University, *Civil*
Ai-Lun Wu

YOUNG PROFESSIONAL MEMBERS

Marco Broccardo, ETH Zurich, *Risk Analysis*

STUDENT MEMBERS

Mehrdad Aghagholizadeh, University of Central Florida
Aman Anand, Purdue University, *Civil*
Ezra Bin Arif Edwin, Virginia Tech
Nicole Aschoff, University of Nebraska – Lincoln (Omaha)
Tejas Baid, University of California San Diego, *Civil*
Aishwarya Bansode, SUNY Buffalo, *Civil*
Somayajulu Dhulipala, Virginia Tech
Sarah Dudney, Lehigh University, *Civil*
Katherine Brody, Lehigh University, *Civil*
Javier Crespo, Pontificia Universidad Catolica Madre y Maestra (PUCMM), *Civil*
Ali Farhadi, University of Memphis, *Seismologist*
Alex Grant, University of Washington, *Geotechnical*
Marin Grubisic, University of Osijek, *Civil*
Michael Greenfield, University of Washington, *Geotechnical*
Sam Hau, Lehigh University
Eun Hwang, Purdue University, *Civil*
Gordon Jarrold, Purdue University, *Civil*
Stavros Kasinos, Loughborough University, *Civil*
Janet Kim, University of California Irvine, *Civil*
Abhijit Kulkarni, Iowa State University
Robin Kumar, SUNY Buffalo
Kevin McNamara, McMaster University, *Civil*
Vahid Mohsenzadeh, McMaster University
Jonathan Monical, Purdue University
Milad Oliaee, IUSS Pavia, *Civil*
Mate Opoldusz, Purdue University, *Civil*
Nancy Ortigoza, CSU Sacramento, *Civil*
Jordan Perlmutter, Virginia Tech
Matt Sander, Virginia Tech
Anil Suwal, University of Texas

Charlotte Tyrannosaurus, University of New Mexico, *Civil*
Santiago Vinueza, Virginia Tech
Tianye Yang, University of Washington
Luis Zambrano-Cruzatty, Virginia Tech, *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
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

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