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

▶ EERI Advocates for Continued Funding for Earthquake-related Federal Programs

EERI's Public Policy and Advocacy Committee, led by Laura Samant (M. EERI 2003), has been closely following activities in Washington D.C., and monitoring impacts on NEHRP agencies and seismic policy. Recent federal budget proposals have indicated significant cuts to programs associated with earthquake risk reduction. In response, EERI sent letters to 31 Senators and 14 Congressional Representatives on both the House and Senate Appropriations Committees urging them to re-consider these budget reductions and outlining the benefits of these programs. EERI members and partner organizations are encouraged to send similar letters using EERI's template language.

▶ NEHRP Turns 40, and Advocacy for Reauthorization Continues

This year, the National Earthquake Hazards Reduction Program (NEHRP) turns 40. The EERI Public Policy and Advocacy Committee is working to support reauthorization, and encourages interested members to join the Committee. This effort was prompted and fueled from the two annual meeting sessions focused on NEHRP in March. To learn more, read the recent article by Bill Leith (M. EERI 2005), published in Seismological Research Letters: July 2017; 88 (4), that outlines key the accomplishments, past and current challenges, and the future of NEHRP. EERI Members interested in joining the Public Policy and Advocacy Committee should contact Beki McElvain at bmcelvain@eeri.org

▶ EERI is looking for a Program Manager! Apply by July 16th

EERI is seeking a dynamic, creative, experienced, and technology-aware Program Manager. This person will be a staff member with internal and external leadership responsibilities. The Program Manager will manage multiple externally and internally funded projects and programs,
develop and implement professional development activities, recruit and facilitate involvement of early-career members, and support various EERI committees and chapters.

The Program Manager 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. Strong planning and organizational skills are essential because activities and assignments will vary in scope, timeline, and desired outcomes. Knowledge and experience in earthquake engineering or in a field associated with earthquake risk reduction is necessary.

The Program Manager should be adept and comfortable working in a collaborative working environment amongst a small staff and many professional volunteers. Travel is required for EERI’s Annual Meeting and occasionally for other U.S. conferences or meetings. Travel may also be required immediately following earthquakes in North America, and for some international conferences or events.

It is anticipated that the salary range will be from $75,000 to $85,000 based on the candidate’s qualifications and experience. 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. Please view the full job description.

Candidates should send a letter of interest and resume with supporting qualifications to Heidi Tremayne, Executive Director, at jobs@eeri.org. All applications will be kept in confidence. No calls please. The application deadline is July 16, 2017 or until the position is filled.

The Application Deadline is July 9 for the 2017-2018 EERI/FEMA Graduate Fellowships in Earthquake Hazard Reduction

EERI is pleased to announce the availability of two Graduate Fellowships for the 2017-2018 academic year to support full-time students in a discipline contributing to the science and practice of earthquake hazard mitigation.

The one-year fellowship, underwritten with funds provided by the Federal Emergency Management Agency, is designed to foster the participation of capable individuals in working toward goals and activities of the National Earthquake Hazards Reduction Program.

Award

The EERI/FEMA NEHRP fellowship provides a stipend of $12,000 that can be used for tuition, fees, research expenses, and the required attendance and participation at the 11th National Conference on Earthquake Engineering and 70th EERI Annual Meeting, June 25-29, 2018, in Los Angeles, California.

Criteria

Applicants must be enrolled in a graduate degree program at an accredited U.S. college or university and must hold U.S. citizenship or permanent resident status. All applications must include an academic transcript and a statement of educational and career goals. Strong consideration will be given to candidates with active involvement in EERI.

All application materials must be submitted electronically to EERI, including a letter of nomination from a faculty sponsor at the student’s institution and two additional reference letters. Letters should evaluate the applicant’s recent academic performance, document the applicant’s research accomplishments, and assess the candidate’s potential to contribute to the field.

Application

Candidates may apply online at https://www.eeri.org/about-eeri/honors-awards/graduate-fellowship/

Deadline: All application materials are due July 9, 2017. Announcement of the award will be made no later than September 1, 2017.
NEW REGIONAL CHAPTER - JULY 1, 2017

New! Sacramento Regional Chapter

EERI welcomes its newest regional chapter, Sacramento. The Sacramento Chapter leadership includes President Zia Zar (M. EERI, 2001), Vice President Julie Fogarty (M. EERI, 2011), and Secretary/Treasurer Alex Wright (M. EERI, 2012). The next chapter meeting will be held on August 24, 2017. Please visit the Sacramento Regional Chapter website for more information and to become a chapter member.

ANNOUNCEMENTS

California Earthquake Clearinghouse and EERI Stakeholder Training Workshops

The California Earthquake Clearinghouse and EERI are holding three Stakeholder Training Workshops this summer on July 19, 2017 (Los Angeles), July 20, 2017 (San Diego) and July 31, 2017 (Sacramento). The full-day workshops will cover the following topics:

- An Introduction to the California Clearinghouse
- Disaster Service Worker Training
- Making Scientific Observations Actionable
- Reconnaissance Data Collection Tool Demonstrations
- Interactive Field Exercises
- Information Sharing

For more information and to register please click here.
A workshop titled **Data to Policy: URM Retrofit Strategies that Engage Communities** will be held July 13, 2017, from 9:00 am to 4:00 pm, at the Oregon Office of Emergency Management Anderson Readiness Center in Salem, Oregon. Speakers include Althea Rizzo, Oregon OEM; Patrick Otellini, Swinerton Builders, (former) SF Earthquake Safety Director; Clair Clark, (former) SLO City; Jonna Papaefthimiou, PBEM; Barry Welliver, Utah Seismic Safety Commission; Cale Ash, Degenkolb/CREW; Kent Yu, SE, PhD, (former) OSSPAC, and Jake Brown, Portland BDS.

Space is limited. For more information or to RSVP please contact: Althea Rizzo, OEM (althea.rizzo@mil.state.or.us) or Beki McElvain, EERI (bmcelvain@eeri.org). To RSVP, click here.

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**Call For Participation: Crowdsourcing Post-Disaster Damage Assessment**

The Stanford Urban Resilience Initiative and Blume Earthquake Engineering Center are researching ways to improve crowdsourced remote damage assessment, and need your help! They are looking at novel methods for assessing building damage from post-disaster satellite imagery, and need volunteers to test the crowdsourcing tools. Your participation will help improve recovery following earthquakes and other natural disasters.

To participate and learn more about the Crowdsourcing Post-Disaster Damage Assessment project, visit the project homepage.

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**IN MEMORIAM**

**Rubin M. Zallen**

Rubin M. Zallen (M. EERI, 1986) of Framingham, MA, entered into rest on May 30, 2017. He was 87. Beloved husband of 60 years to Leatrice (Adelson) Zallen, he was also a devoted father and grandfather. Rubin was a structural engineer with a passion for his craft. He graduated from Syracuse University with a Bachelor's of Science and graduated from MIT with a Masters in Engineering. Read more.

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**PUBLICATIONS**
Earthquake Spectra: Preprint Manuscripts

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

- From Source to Building Fragility: Post-event Assessment of the 2013 M7.1 Bohol Philippines Earthquake by Muriel Naguit (M. EERI, 2016), Phil Cummins, Mark Edwards, Hadi Ghasemi, Bartolome Bautista, Hyeok Ryu and Marcus Haynes
- Experimental System Identification of a 63kV Substation Post Insulator and Developing its Fragility Curves by Dynamic Finite Element Analyses by Saman Mohammadpour and Mahmood Hosseini
- Optimum Earthquake Design Coefficients Based on Probabilistic Seismic Hazard Analyses. Theory and Applications by Mario Ordaz, Mario A. Salgado-Gálvez, Luis E. Pérez-Rocha, Omar D. Cardona (M. EERI, 1986) and Ulises Mena-Hernández
- Guidance on the Utilization of Earthquake-Induced Ground Motion Simulations in Engineering Practice by Brendon A. Bradley (M. EERI, 2012), Didier Pettinga, Jack W. Baker (M. EERI, 2004) and Jeff Fraser
- Procedures from international guidelines for assessing seismic risk to flood control levees by Paolo Zimmaro (M. EERI, 2015), Dong Youp Kwak (M. EERI, 2014), Jonathan P. Stewart (M. EERI, 1994), Scott J. Brandenberg (M. EERI, 2001), Ariya Balakrishnan, Ruben Jongejan, Ernesto Ausilio, Giovanni Dente, Junju Xie and Atsushi Mikami
- call to refocus research goals for the development of seismic optimization methods by Orlando Arroyo (M. EERI, 2017) and Abbie B. Liel (M. EERI, 2009)
- Is Harmonic Averaging of Shear Wave Velocity or the Simplified Rayleigh Method Appropriate to Estimate the Period of a Soil Profile? By Alfredo Urzúa, Ricardo Dobry (M. EERI, 1974) and John T. Christian
- A Practical Method for Optimum Seismic Design of Friction Wall Dampers by Neda Nabid (M. EERI, 2015), Iman Hajirasaouliha and Mihail Petkovski

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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Links to Recent News and Views

Five recent stories, reports, or opinions from around the web.

1. **Slow Earthquakes in Ocean Subduction Zones Shed Light on Tsunami Risk** (Phys.org) Understanding "slow-slip" earthquakes on the seafloor—seismic events that occur over a period of days or weeks—is giving researchers new insights into undersea earthquakes and the subsequent creation of tsunamis. [Read more]

2. **USGS Publishes a New Blueprint That Can Help Make Subduction Zone Areas More Resilient** (USGS press release) The USGS has developed a blueprint for advancing science and resilience from subduction zone hazards entitled “Reducing Risk Where Tectonic Plates Collide – A Plan to Advance Subduction Zone Science.” [Read more]

3. **Wilshire Grand Week: From the Street to the Spire. Safety and Design Figured Into the Top and Bottom of the 73-Story Tower** (Los Angeles Downtown News) At the base of the tallest structure west of the Mississippi are seismic elements that would allow the building to withstand a magnitude 7.5 earthquake from one of the 29 active fault lines within 50 miles. [Read more]

4. **Signs of Past California 'Mega-Quakes' Show Danger of the Big One on San Andreas Fault** (Phys.Org) The San Gorgonio Pass, for geologists, is something of a canary in the coal mine for what they expect will be a major earthquake coming from the San Andreas Fault. [Read more]

5. **Scientists Confirm Yellowstone Supervolcano Was Hit By 450 Earthquakes In One Week** (Forbes) The first of the swarm of 450 earthquakes began on June 12th and continued in the following days, including up to a 4.5M earthquake, prompting scientists to closely monitor the area. [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_s9151t00ab26dnf2epn25d7rg%40group.calendar.google.com/public/basic.ics
4. Click Add Calendar. The calendar will appear on the left side under “Other calendars.”

**Thursday, June 13, 2019 - June 14**

**NHERI SimCenter Workshop**

SimCenter Training in Natural Hazards Engineering
University of California, Berkeley
Richmond Field Station
More Info - Registration
Monday, June 17, 2019 - June 20

**7ICEGE**

VII International Conference on Earthquake Geotechnical Engineering
June 17-20, 2019
Rome, Italy

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Monday, June 17, 2019 - June 20

**12CCEE**

12th Canadian Conference on Earthquake Engineering
Improving Seismic Infrastructure Performance and Community Resilience
June 17-20, 2019
Quebec City

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Sunday, June 23, 2019 - June 26

**ICONHIC2019**

2nd International Conference on Natural Hazards and Infrastructure
23-26 June 2019
Chania, Greece

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Sunday, July 14, 2019 - July 17

**44th Annual Natural Hazards Research and Applications Workshop**

“Convergence: Coming Together to Improve Hazards and Disaster Research, Practice, and Policy”

University of Colorado, Boulder
Broomfield, Colorado
July 14-17, 2019
More Information & Registration

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Wednesday, July 17, 2019 - July 18

**Natural Hazards Center Researchers Meeting at UCB**

Wednesday, July 17 through Thursday, July 18, 2019
Omni Interlocken Hotel
Broomfield, Colorado
More Information

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Thursday, July 18, 2019 - July 20

**URM SEISMIC RESILIENCE SYMPOSIUM - Portland, OR**

URM SEISMIC RESILIENCE SYMPOSIUM
July 18-20, 2019
Portland State University, Lincoln Hall
Portland, Oregon
More Information

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Monday, July 22, 2019 - July 26

**NHERI SimCenter Programming Bootcamp at UC Berkeley**
SimCenter Programming Bootcamp at UC Berkeley
July 22-26, 2019
More information

Wednesday, August 21, 2019
**EERI San Diego Regional Chapter 1-Day Short Course**
1-Day Short Course on USGS Web-based Interactive Tools with Drs. Nicolas Luco and Peter Powers San Diego State University (SDSU) San Diego, CA Registration opens soon

Thursday, August 22, 2019 - August 23
**EERI San Diego Regional Chapter 2nd Ken Ishihara Colloquium Series**
The 2nd Ken Ishihara Colloquium Series on Earthquake Geotechnical Engineering "Seismic Lateral Displacements" San Diego State University (SDSU) San Diego, California

Tuesday, October 01, 2019
**IABEE Third International Bridge Seismic Workshop**
"Seismic Hazard Mitigation Measures and Strategies of Transportation Infrastructures" Seattle, WA October 1-4, 2019
More Information & Registration

Tuesday, October 08, 2019 - October 11
**5 ICEES**
5th International Conference on Earthquake Engineering and Seismology October 8-11, 2019 Ankara, Turkey www.5icees.com

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
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.

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.