

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 Response to M7.5 Afghanistan-Pakistan Earthquake on October 26, 2015



Naveed Ali / AP

On Monday, October 26, 2015, a M7.5 earthquake struck northeastern Afghanistan near the border of Pakistan in the Hindu Kush mountain range. The EERI community extends its sympathy to the victims as rescue and relief work continues.

As part of its [Learning from Earthquakes \(LFE\) Program](#), EERI is currently monitoring the situation from media reports, and reaching out to members, colleagues, and organizations that have conducted reconnaissance and research in the impacted region. So far, EERI has heard from several members in Pakistan who may be able to share information with the EERI membership in the coming weeks.

Current information on the earthquake has been posted to an LFE archive web page with links to the event page on the U.S. Geological Survey website, World Housing Encyclopedia reports, media reports, information from the 2005 Kashmir Earthquake, and more: <https://www.eeri.org/2015/10/afghanistan-earthquake/>

EERI is still looking for more relevant information, reports, links, and data files on the earthquake to post to the LFE web page. If you have access to any information or know colleagues that do, please contact EERI Program Manager [Heidi Tremayne](#).

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▶ Thomas O'Rourke to be Awarded Housner Medal

Thomas D. O'Rourke (M. EERI, 1980), the Thomas R. Briggs Professor in the Department of Civil and Environmental Engineering at Cornell University, will be presented with the George W. Housner Medal at the 2016 EERI Annual Meeting. The Housner Medal is awarded to recognize Institute members and others who have made extraordinary and lasting contributions to public earthquake safety through the development and application of earthquake hazard reduction practices and policies.



Thomas D. O'Rourke

O'Rourke's research has had a critical impact on lifeline earthquake engineering across the globe and has improved understanding of the response of geographically distributed systems, such as water supply and electric power networks, to earthquakes and other natural hazards. Involved in earthquake engineering for over 30 years, O'Rourke's work has been recognized through numerous awards, including the American Society of Civil Engineers (ASCE) Charles Martin Duke Lifeline Earthquake Engineering Award, the Stephen D. Bechtel Pipeline Engineering Award, the Japan Gas Association Best Paper Award, and the LeVal Lund Award for Practicing Lifeline Risk Reduction.

Dr. O'Rourke has had numerous service positions that have allowed him to greatly impact the field of earthquake risk reduction. In 1998, he was elected to the Earthquake Engineering Research Institute (EERI) Board of Directors and served as President from 2003–2004. He testified before the United States House of Representatives Science Committee in 1999 on engineering implications of the 1999 Turkey and Taiwan earthquakes, and in both 2003 and 2009 on the reauthorization of the National Earthquake Hazards Reduction Program (NEHRP). He is currently using his expertise to help with the recovery planning for Christchurch, New Zealand, an area significantly impacted by the effects of the Canterbury Earthquake Sequence on its underground pipeline network.

Over his career, he has authored or co-authored over 360 publications on geotechnical, underground, earthquake engineering, and the impact of extreme events on civil infrastructure. His most notable awards, among many, are his election to the US National Academy of Engineering in 1993, his election as an International Fellow of the British Royal Academy of Engineering in 2014, his selection as the 2008 Rankine Lecturer, and his selection as the 2016 Karl Terzaghi Lecturer. He is a Distinguished Member of ASCE and an Honorary Member of EERI.

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► [EERI Has One Post-Graduation Internship Position Open](#)

The Earthquake Engineering Research Institute (EERI) has one internship position available for recent college graduates interested in gaining valuable professional experience while supporting the Institute's mission to reduce the risks from earthquakes. This position can begin as early as January 2016. Applications should be submitted by **November 15, 2015**.

The approximately six-month internship offers engagement in a number of interesting EERI projects and the intern would focus primarily on the EERI's [Learning from Earthquakes](#), [Concrete Coalition](#), [World Housing Encyclopedia](#), and [Confined Masonry Network](#) projects.

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

Intern candidates should have:

- A bachelor's or master's degree in engineering, science, architecture or public policy.
- Familiarity 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
- Curiosity, strong interpersonal skills, a flexible attitude towards work

- Ability to take initiative and independently solve problems
- Basic GIS skills and some knowledge of GIS software (ArcMap, ArcGIS Online), or willingness to learn

The intern will need to work in the EERI office, which means living in the 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.

Interested applicants should upload their resume, a one-page cover letter highlighting their qualifications and interest in the EERI internship program, and 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 **November 15, 2015**. EERI would like a commitment of six months. New internship positions become available every four to six months.

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► EERI Post-Graduation Interns: Fall 2015

Two new post-graduation interns are now part of the EERI team. The Institute would like to introduce Cherry Chan, who joins intern **Karen Izumoto** (M. EERI, 2015) at the EERI office in Oakland, California.

Cherry Chan (M. EERI, 2015) graduated with a certificate in Geographic Information Systems from Fleming College in 2015 and a B.A. in Human Geography from the University of Toronto in 2013. She became fascinated with disaster risk management after learning about Tohoku earthquake mapping efforts and has been involved with disaster mapping completed by the Humanitarian OpenStreetMap Team. As an advocate for open data, Cherry is excited to work on EERI's online data map interface which will make geospatial data more accessible to users.



Karen Izumoto and Cherry Chan

The EERI post-graduate interns work on projects of the Institute including the **School Earthquake Safety Initiative**, the Concrete Coalition, the World Housing Encyclopedia, and Learning from Earthquakes. These projects offer the interns professional experience, exposure to the multidisciplinary aspects of earthquake engineering, and the opportunity to network with others in the profession. Their work benefits EERI's mission: to gather and disseminate information about earthquake risk reduction and to advocate for realistic measures to reduce the harmful effects of earthquakes.

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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 donations that the Institute received from mid September to mid October 2015.

\$1000	\$500	\$250	\$100
Josephson-Werdowatz & Associates Inc.	Robert Chittenden	Lucy Arendt	William J. Hall
\$50			

David Lallemand

Thank you for your support!

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[Back to top >](#)

LEARNING FROM EARTHQUAKES

► New information available about the M8.3 Illapel, Chile earthquake and tsunami

Since the M8.3 earthquake and tsunami on September 16, 2015, near Illapel and Coquimbo, Chile, various EERI members and colleagues have been uploading information to EERI's [Virtual Earthquake Clearinghouse website](#). A few recent posts are mentioned below to alert the membership to these great contributions:

1. A [Preliminary Reconnaissance Observation Report](#) has been created for EERI by the National Research Center for Integrated Natural Disasters Management, CIGIDEN, and the Department of Structural and Geotechnical Engineering of the Pontificia Universidad Catolica de Chile. Two teams traveled to the Coquimbo region to assess damage to infrastructure. The first reconnaissance team, focused on public hospitals and reinforced concrete buildings, included the following team members: Felipe Rivera, Rosita Jünemann, Gabriel Candia, Alan Poulos, Philomène Favier, Claudio Fernández, Matías Chacón, Gabriel Sanhueza, David Ugalde, José Ignacio Colombo, and Paula Aguirre. The second team, focused on road infrastructure, included the following team members: **Matías Hube** (M. EERI, 2005), Alondra Chamorro, Orlando Arroyo, Tamara Cabrera, **Antonio Martínez** (M. EERI, 2015), Juan Carlos Obando, Lilibeth Ramos, Sebastián Calderón, Mauricio Ferj, Felipe Baratta, and Joaquín Dagá. [Download the report](#) (PDF, 2 MB) [↗](#)



2. Juan Obando, David Ugalde, and Diego López-García from Pontificia Universidad Catolica de Chile prepared a comprehensive curated post describing the [impacts of the earthquake and tsunami on housing](#). The post briefly describes the performance of one-to-two story masonry structures, reinforced concrete structures (with a case study of the Puerto Bahia condominium in Coquimbo), adobe structures, and wood structures complete with representative images in the [summary pdf version](#) (PDF 3 MB) [↗](#)

3. A [ground motion assessment summary post](#) was prepared by curators Ericson Encina at University of Auckland and **Ana Gabriela Haro** (M. EERI, 2014) at North Carolina State University in Raleigh. This post summarizes the available ground motion information and includes maps of past earthquakes in the region, shake maps, fault cross-sections, and spectra plots.

4. Curators Ericson Encina at University of Auckland and **Ana Gabriela Haro** (M. EERI, 2014) at North Carolina State University in Raleigh also prepared a post qualitatively describing [public perceptions of earthquake shaking](#) from the perspective of various individuals who felt the earthquake.

5. [Strong Motion Records Analysis](#) by Ruben Boroschek, University of Chile. This short report shows acceleration and integrated velocity and displacement series for a few key strong motion stations as well as Acceleration Response Spectra.

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[Back to top >](#)

► Leon Named Distinguished Member of ASCE

Roberto T. Leon (M. EERI, 1984) was recently named a Distinguished Member of the American Society of Civil Engineers (ASCE). Only 661 of ASCE's worldwide members have been elected to receive the honor—the society's highest accolade—since the society's founding in 1852.



Roberto T. Leon

Leon has served on EERI's Board of Directors, and currently is the David H. Burrows Professor of Construction Engineering in the Charles E. Via Jr. Department of Civil and Environmental Engineering at Virginia Tech University.

Leon was recognized for his contributions to structural engineering research, education and professional activities, focusing on composite construction and earthquake engineering. He was also honored for his leadership as former president of the Structural Engineering Institute and the Consortium of Universities for Research on Earthquake Engineering. He received the award at the ASCE Annual Convention in New York, N.Y., Oct. 11-14, 2015. Read more on the [ASCE website](#). ↗

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► Links to Recent News and Views

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

- 1 **Pakistan quake: new building codes largely unenforced** (IRIN News) Unenforced seismic provisions in national building code compounds the destruction from October 25, 2015, 7.5-magnitude quake. <http://www.irinnews.org/> ↗
- 2 **Christchurch earthquake lessons completed** (Scoop Independent News) New Zealand is now better at planning for and supporting the public in emergencies. <http://www.scoop.co.nz/> ↗
- 3 **Canterbury Earthquake Recovery Authority misses key recovery targets** (The Press) Cera excels when it comes to meeting softer targets but has failed to meet key recovery milestones, according to its annual scorecard. <http://www.stuff.co.nz/> ↗
- 4 **Photographer's images of Nepal earthquake highlights work of relief charity** (Western Morning News) Photojournalist raises public awareness of the scale of the humanitarian crisis and the work of ShelterBox. <http://www.westernmorningnews.co.uk> ↗
- 5 **Insurance Commission requires insurers to clarify Oklahoma earthquake coverage** (Examiner-Enterprise from The Oklahoman) Insurance Commissioner orders insurers to send each state policyholder a clarifying notice of coverage. <http://examiner-enterprise.com/> ↗
- 6 **Tsunami prediction system with greater accuracy planned** (The Japan News) Offshore surveillance network scheduled to begin full-scale operations next fiscal year. <http://the-japan-news.com/> ↗
- 7 **Big earthquake chances high for Los Angeles County fault, JPL scientist's study says** (San Gabriel Valley Tribune) Jet Propulsion Laboratory scientist says "probability is 99.9 percent" earthquake measuring 5.0 or greater will occur within the next two and a half years in LA County. <http://www.sgvtribune.com/> ↗

Why a 99.9% earthquake prediction is 100% controversial (Los Angeles Times) USGS scouts 99% prediction by Jet Propulsion Laboratory. How certain can scientists be of when the next big earthquake will come? <http://www.latimes.com/> ↗


8

9

First public test of earthquake alert system rolls out at L.A. school (Los Angeles Times) California's earthquake early warning system moves forward with test. <http://www.latimes.com/> 

10

'Seems they like to chew on the plastic.' (KTUU) Seismic station taken out by wildlife in Alaska. <http://www.ktuu.com/> 


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[Back to top >](#)


ANNOUNCEMENTS


▶ QuakeCoRE Releases First Collaboration Plan

QuakeCoRE is New Zealand's newest Centre of Research Excellence with a mission of placing the country at the worldwide forefront of earthquake disaster resilience. This will be accomplished by utilizing New Zealand as a natural earthquake laboratory, producing new knowledge on the seismic response of the built environment, developing models to understand vulnerabilities within this environment, and designing innovative technologies and decision-support tools enabling rapid recovery of New Zealand communities.

The *2016 Collaboration Plan*, released on <http://quakecore.nz/>  last week, will serve as the primary funding mechanism for QuakeCoRE, laying out mechanisms for domestic and international collaboration and inviting proposals related to all QuakeCoRE activities including research under flagship projects, technology platform development, and education or outreach initiatives. International collaborators are encouraged to partner with New Zealand project investigators in submitting a proposal to link QuakeCoRE with international research activities.

The QuakeCoRE *Collaboration Plan* also helps support international participation in the QuakeCoRE Annual Meeting, planned for late August 2016, where the QuakeCoRE community will come together to share ideas and plan collaborations for the following year. Requests for travel funding from international researchers must be cost-shared by international institutions.

As QuakeCoRE officially gets underway January 1, 2016, several opportunities exist to actively participate in QuakeCoRE's mission; including post-doctoral fellowships and PhD scholarships as described at <http://quakecore.nz/scholarships/>  The next round of PhD scholarships will close on March 21, 2016.

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[Back to top >](#)

CHAPTER SPOTLIGHT

▶ Student Spotlight: Purdue University



On October 17, 2015, the **EERI Student Chapter at Purdue**

University hosted an all-day workshop on modeling and seismic analysis using the integrated structural analysis and design software, SAP2000. Forty-seven undergraduates, graduate students, and professionals attended the event in a classroom at Neil Armstrong Hall of Engineering on Purdue University's West Lafayette, Indiana campus.

Rob Tovani, Director of Verification, Validation, and Training at **Computers & Structures Inc.** (EERI Diamond Subscribing Member), led the workshop and instructed participants on using general modeling features in the morning session: defining materials, defining sections, defining model geometry (including area objects), and defining loads and boundary conditions. The afternoon session focused on seismic analysis in SAP2000, including equivalent lateral force procedures, modal analysis, response spectrum analysis, and time history analysis. The workshop concluded with discussion on performance-based design.

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[Back to top >](#)

PUBLICATIONS

▶ Earthquake Spectra: Preprint Manuscripts

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

**EARTHQUAKE
SPECTRA**

- "Development of Generalized Fragility Functions for Seismic Induced Content Disruption" by **Jean C. Guzman Pujols** (M. EERI, 2010) and **Keri L. Ryan** (M. EERI, 1999)
- "Direct Displacement Based Design of a Novel Hybrid Structure: Steel Moment-Resisting Frames with Cross Laminated Timber Infill Walls" by Matiyas A. Bezabeh, **Solomon Tesfamariam** (M. EERI, 2008), Siegfried F. Stiemer, **Marjan Popovski** (M. EERI, 2001), and Erol Karacabeyli.
- "Seismic Hazard in the Intermountain West" by Kathleen M. Haller, **Morgan P. Moschetti** (M. EERI, 2015), Charles S. Mueller, Sanaz Rezaeian, **Mark D. Petersen** (M. EERI, 2002), and Yuehua Zeng.

- "Assessing Integrated Earthquake Risk in OpenQuake with an Application to Mainland Portugal" by Christopher G. Burton and **Vitor Silva** (M. EERI, 2014).
- "The 2014 Update to the National Seismic Hazard Model in California" by Peter M. Powers and **Edward H. Field** (M. EERI, 1992).
- "Seismic Source Characterization for The 2014 Update of the U.S. National Seismic Hazard Model" by **Morgan P. Moschetti** (M. EERI, 2015), Peter M. Powers, **Mark D. Petersen** (M. EERI, 2002), **Oliver S. Boyd** (M. EERI 2005), **Rui Chen** (M. EERI, 2011), **Edward H. Field** (M. EERI, 1992), **Arthur D. Frankel** (M. EERI, 1994), Kathleen M. Haller, Stephen C. Harmsen, Charles S. Mueller, Russell L. Wheeler, and Yuehua Zeng.
- "Ground Motion Models Used in the 2014 U.S. National Seismic Hazard Maps" by Sanaz Rezaeian, **Mark D. Petersen** (M. EERI, 2002), and **Morgan P. Moschetti** (M. EERI, 2015).
- "Site Effects and Building Damage Characterization in Concepción after the Mw 8.8 Maule Earthquake" by **Gonzalo A. Montalva** (M. EERI, 2009), Francisco J. Chávez-García, Andrés Tassara, and Darío M. Jara Weisser.

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

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► **New Confined Masonry Publication: Construction Guide for Low-Rise Confined Masonry Buildings**

Construction Guide for Low-Rise Confined Masonry Buildings, a new publication from the Confined Masonry Network, addresses the needs of small-scale contractors, technicians, government staff, architects as well as non-governmental organizations involved in post-disaster reconstruction. This free guide has been written with users with various professional backgrounds in mind, including a workforce with little formal training. As a consequence this guide not only shows the practical detailing of confined masonry construction, but also offers a wealth of basic information on good construction practices in general. The guide can be downloaded from [the EERI Knowledge Center](#).



The guide is written by **Tom Schacher** (M. EERI, 2006) and **Tim Hart** (M. EERI, 2009) and was produced with funding provided by the Swiss Reinsurance Company (Zurich), the Swiss Agency for Development and Cooperation (SDC), the International Committee of the Red Cross (Geneva), and the Swiss Solidarity fund-raising organization (Geneva). Additional financial support came from Risk Management Solutions at the initiation of the project.

As confined masonry is a construction system that has been developed by practitioners in various countries in parallel, there is a lack of uniform rules on how it should be implemented correctly. In 2008, the Confined Masonry Network decided to tackle this issue by compiling a set of common rules from the various existing codes and guidelines on confined masonry and use them to develop a uniform set of guidelines. A first result has been the *Seismic Design Guide for Low-Rise Confined Masonry Buildings*, published by the network in 2011, which provides prescriptive design provisions for engineers who want to use this construction system. A third publication entitled *Engineered Guidelines for Confined Masonry* is under development and will be made available in 2016. For more information about confined masonry and the Confined Masonry Network, please visit: <http://www.confinedmasonry.org/>

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[Back to top >](#)


► 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.

STUDENT MEMBERS

Mohd Fadhli Abd Rashid, Universiti Teknologi Malaysia, *Civil*
Melek Alput, Ankara, Turkey, *Civil*
Mayanin Amezcua De Leon, California State University Los Angeles, *Civil*
Muhamad Asyraaf Md. Arshad, Universiti Teknologi Malaysia, *Civil*
Halit Aydin, Karadeniz Teknik Universitesi, *Civil*
Miklos Bartha, Technical University of Cluj - Napoca, *Civil*
Matiyas Bezabeh, University of British Columbia, *Structural*
Nicola Branchini, University College London, *Structural*
Gabiella Buono, University of Puerto Rico, *Civil*
Andrei Caraza, Technical University of Cluj - Napoca, *Architect*
Jason Chen, University of British Columbia, *Civil*
Huseyin Cilsalar, SUNY Buffalo, *Structural*
Joseph Colletti, SUNY Buffalo, *Geotechnical*
Michael Colorado, Cal Poly Pomona, *Civil*
William Cope, California State University Sacramento, *Civil*
Joshua Core, Lehigh University, *Structural*
Daniel Cornea, Technical University of Cluj - Napoca, *Civil*
Eytan Fiszman, University of British Columbia, *Structural*
Grega Palang R. Gampilok, Universiti Teknologi Malaysia, *Civil*
Michael Gritzmacher, Lehigh University, *Structural*
Szidonia Haba, Technical University of Cluj - Napoca, *Civil*
Chen Huang, University College London, *Structural*
Ioana Iordache, Technical University of Cluj - Napoca, *Civil*
Abbas Jafari, Karadeniz Teknik Universitesi, *Civil*
Aida B. Jasni, Universiti Teknologi Malaysia, *Civil*
Raman Judge, McMaster University, *Civil*
Nur Shakila H. Khairi, Universiti Teknologi Malaysia, *Civil*
Marvin Ko, Purdue University, *Structural*
Amy Kordosky, Lehigh University, *Structural*
Konstantinos Kosmidis, University of California San Diego, *Structural*
Donghun Lee, SUNY Buffalo, *Civil*
Haoyu Li, University of British Columbia, *Civil*
Peter (Hanchen) Li, University of British Columbia, *Civil*
Baitao Liang, University of British Columbia, *Civil*
Faiz Syafiq Liasmat, Universiti Teknologi Malaysia, *Civil*
Ivan (Yichen) Ma, University of British Columbia, *Geotechnical*
James Mallard, University of California San Diego, *Structural*

Horia Marian, Technical University of Cluj - Napoca, *Civil*
Zorica Mileusnic, McMaster University, *Civil*
Mohd Amirul Asyraf A. Mohd Rosli, Universiti Teknologi Malaysia, *Civil*
Marius Monda, Technical University of Cluj - Napoca, *Civil*
Yuta Nakamura, University of Texas - Austin, *Geotechnical*
Arash Nassirpour, University College London, *Structural*
Patrick O'Brien, Virginia Tech, *Structural*
Ge Ou, Purdue University, *Civil*
Yagmur Ozyurt, Karadeniz Teknik Universitesi, *Civil*
Ariadne Palma-Parra, North Carolina State University, *Civil*
Venkata Panthangi, SUNY Buffalo, *Geotechnical*
Ankit Patel, California State University Los Angeles, *Structural*
Orion Paul, Northeastern University, *Structural*
Daniel Pohoryles, University College London, *Structural*
Alina Pop, Technical University of Cluj - Napoca, *Architect*
Catalin Popa, Technical University of Cluj - Napoca, *Civil*
Alexander Sciascetti, McMaster University, *Structural*
Mohammad J. Shadan, Karadeniz Teknik Universitesi, *Civil*
Keshab Sharma, University of Alberta, *Geotechnical*
Qurratu A. Sirat, Universiti Teknologi Malaysia, *Civil*
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Bogdan Stroia, Technical University of Cluj - Napoca, *Civil*
Sean Thompson, Cornell University, *Information Science*
Gergely Vass, Technical University of Cluj - Napoca, *Civil*
Peny Kate Villanueva, California State University Long Beach, *Civil*
Xiao Fan Wang, University of Toronto, *Civil*
Eric Watters, University of British Columbia, *Structural*
Siddaiah Yarra, University of Nevada-Reno, *Structural*
Conrad Zorn, University of Auckland, *Lifelines*

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[Back to top >](#)

25 WAYS TO GET INVOLVED

► [Get Involved with EERI](#)

Looking to be more involved with EERI? We've come up with a list of opportunities for members. Each edition of *The Pulse* will highlight a way to do more.

Download the 25 Ways flyer [↗](#) (PDF)

#17: Share information on the use of confined masonry in your country.

The Confined Masonry Network has issued a new publication, *Construction Guide for Low-Rise Confined Masonry Buildings*. Read more above in the Publications section of this email, and obtain the guide through the EERI Knowledge Center.

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[Back to top >](#)

25WAYS

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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