News of the Institute

Upcoming EERI Nonstructural Tech Seminar

EERI is planning a day-long technical seminar on Seismic Design and Performance of Nonstructural Elements, to be held in four cities as follows: October 27 in San Francisco, October 28 in Seattle, November 3 in Los Angeles, and November 4 in San Diego. The primary purpose of the seminar is to bring researchers, practitioners, officials, and students in the seismic design and construction community up to date on the performance of nonstructural elements in recent earthquakes, ongoing research into the topic, present code requirements, *FEMA E-74* on nonstructural design (see below), and the new requirements for equipment certification. Several members of the Project Management Committee for *FEMA E-74* will be seminar presenters.

The EERI member fee for the seminar is $225, young professional/student/retired members $125, and nonmembers $300. Online registration will be available in September.

**FEMA E-74 on Nonstructural Earthquake Damage**

The Applied Technology Council (ATC) and FEMA have announced the availability of *FEMA E-74, Reducing the Risks of Nonstructural Earthquake Damage: A Practical Guide, Fourth Edition*. This electronic document was prepared under the FEMA-funded ATC-69-1 project and updates the 1994 third edition. The fourth edition includes a significant amount of new information and provides ease of browsing and printing. It can be downloaded from [http://www.fema.gov/plan/prevent/earthquake/fema74/index.shtm](http://www.fema.gov/plan/prevent/earthquake/fema74/index.shtm).

*FEMA E-74* explains the sources of nonstructural earthquake damage in simple terms and provides methods for reducing potential risks. It is intended for use by a nonengineer audience that includes building owners, facility managers, and public officials.

---

**Earthquake Spectra Impact Factor Now #1**

*Earthquake Spectra* Editor Polat Gülkan is pleased to announce that the journal’s Impact Factor of 3.744 for 2010 means its rank is first among 115 journals in the civil engineering category, according to the Journal Citation Report (JCR®) for 2010 that was recently released by Thomson Reuters. This is an improvement over Spectra’s second-place ranking in 2009 (2.866). In the geological engineering listing, Spectra is again currently number one among 30 periodicals. Its five-year Impact Factor reads as 2.166. These quantitative measures are proper acknowledgment of the importance Spectra plays in the fulfillment of its founding mission: reducing earthquake risk by improving the practice of earthquake hazards mitigation, preparedness, and recovery.

The JCR provides quantitative tools for ranking, evaluating, categorizing, and comparing journals. The annual Impact Factor is a ratio between citations and recent citable items published. For example, the current Impact Factor refers to citations made in 2010 to all articles published in 2009 and 2008, divided by the number of “source items” published in those years. It is one of the most immediately recognized attributes of a scientific publication, because it reflects the esteem that articles and their authors command among their peers. Perhaps the most important use of impact is in the process of academic and professional peer evaluation. Gülkan’s and EERI’s thanks go to the authors, editorial board members, and reviewers, who have all done superbly well in helping Spectra reach this exceptional level of excellence.

---

**Earthquake Engineering Research Institute**

**NEWSLETTER**

Editor Mark Yashinsky
LFE Insert Editor Sarah Nathe
Associate Editor Gerald Brady
Editorial Assistant Eloise Gilland

Earthquake Engineering Research Institute
499 14th Street, Suite 320
Oakland, California 94612-1934
Phone: 510/451-0905
Fax: 510/451-5411
E-mail: eeri@eeri.org
Web site: http://www.eeri.org

ISSN 0270-8337
Reproduction with attribution is permitted.

---

**Earthquake Spectra** Editor Polat Gülkan is pleased to announce that the journal’s Impact Factor of 3.744 for 2010 means its rank is first among 115 journals in the civil engineering category, according to the Journal Citation Report (JCR®) for 2010 that was recently released by Thomson Reuters. This is an improvement over Spectra’s second-place ranking in 2009 (2.866). In the geological engineering listing, Spectra is again currently number one among 30 periodicals. Its five-year Impact Factor reads as 2.166. These quantitative measures are proper acknowledgment of the importance Spectra plays in the fulfillment of its founding mission: reducing earthquake risk by improving the practice of earthquake hazards mitigation, preparedness, and recovery.

The JCR provides quantitative tools for ranking, evaluating, categorizing, and comparing journals. The annual Impact Factor is a ratio between citations and recent citable items published. For example, the current Impact Factor refers to citations made in 2010 to all articles published in 2009 and 2008, divided by the number of “source items” published in those years. It is one of the most immediately recognized attributes of a scientific publication, because it reflects the esteem that articles and their authors command among their peers. Perhaps the most important use of impact is in the process of academic and professional peer evaluation. Gülkan’s and EERI’s thanks go to the authors, editorial board members, and reviewers, who have all done superbly well in helping Spectra reach this exceptional level of excellence.

---

**Earthquake Spectra** Editor Polat Gülkan is pleased to announce that the journal’s Impact Factor of 3.744 for 2010 means its rank is first among 115 journals in the civil engineering category, according to the Journal Citation Report (JCR®) for 2010 that was recently released by Thomson Reuters. This is an improvement over Spectra’s second-place ranking in 2009 (2.866). In the geological engineering listing, Spectra is again currently number one among 30 periodicals. Its five-year Impact Factor reads as 2.166. These quantitative measures are proper acknowledgment of the importance Spectra plays in the fulfillment of its founding mission: reducing earthquake risk by improving the practice of earthquake hazards mitigation, preparedness, and recovery.

The JCR provides quantitative tools for ranking, evaluating, categorizing, and comparing journals. The annual Impact Factor is a ratio between citations and recent citable items published. For example, the current Impact Factor refers to citations made in 2010 to all articles published in 2009 and 2008, divided by the number of “source items” published in those years. It is one of the most immediately recognized attributes of a scientific publication, because it reflects the esteem that articles and their authors command among their peers. Perhaps the most important use of impact is in the process of academic and professional peer evaluation. Gülkan’s and EERI’s thanks go to the authors, editorial board members, and reviewers, who have all done superbly well in helping Spectra reach this exceptional level of excellence.

---

**Earthquake Spectra** Editor Polat Gülkan is pleased to announce that the journal’s Impact Factor of 3.744 for 2010 means its rank is first among 115 journals in the civil engineering category, according to the Journal Citation Report (JCR®) for 2010 that was recently released by Thomson Reuters. This is an improvement over Spectra’s second-place ranking in 2009 (2.866). In the geological engineering listing, Spectra is again currently number one among 30 periodicals. Its five-year Impact Factor reads as 2.166. These quantitative measures are proper acknowledgment of the importance Spectra plays in the fulfillment of its founding mission: reducing earthquake risk by improving the practice of earthquake hazards mitigation, preparedness, and recovery.

The JCR provides quantitative tools for ranking, evaluating, categorizing, and comparing journals. The annual Impact Factor is a ratio between citations and recent citable items published. For example, the current Impact Factor refers to citations made in 2010 to all articles published in 2009 and 2008, divided by the number of “source items” published in those years. It is one of the most immediately recognized attributes of a scientific publication, because it reflects the esteem that articles and their authors command among their peers. Perhaps the most important use of impact is in the process of academic and professional peer evaluation. Gülkan’s and EERI’s thanks go to the authors, editorial board members, and reviewers, who have all done superbly well in helping Spectra reach this exceptional level of excellence.

---

**Earthquake Spectra** Editor Polat Gülkan is pleased to announce that the journal’s Impact Factor of 3.744 for 2010 means its rank is first among 115 journals in the civil engineering category, according to the Journal Citation Report (JCR®) for 2010 that was recently released by Thomson Reuters. This is an improvement over Spectra’s second-place ranking in 2009 (2.866). In the geological engineering listing, Spectra is again currently number one among 30 periodicals. Its five-year Impact Factor reads as 2.166. These quantitative measures are proper acknowledgment of the importance Spectra plays in the fulfillment of its founding mission: reducing earthquake risk by improving the practice of earthquake hazards mitigation, preparedness, and recovery.

The JCR provides quantitative tools for ranking, evaluating, categorizing, and comparing journals. The annual Impact Factor is a ratio between citations and recent citable items published. For example, the current Impact Factor refers to citations made in 2010 to all articles published in 2009 and 2008, divided by the number of “source items” published in those years. It is one of the most immediately recognized attributes of a scientific publication, because it reflects the esteem that articles and their authors command among their peers. Perhaps the most important use of impact is in the process of academic and professional peer evaluation. Gülkan’s and EERI’s thanks go to the authors, editorial board members, and reviewers, who have all done superbly well in helping Spectra reach this exceptional level of excellence.
News of the Institute

EERI, World Bank Sign MOU

EERI and the International Bank for Reconstruction and Development of the World Bank, acting through its Global Facility for Disaster Reduction and Recovery (GFDRR), have signed a memorandum of understanding that establishes a framework for a collaborative alliance. The purpose of the collaboration is to share knowledge and agendas of common interest in earthquake risk and vulnerability assessment, promote the integration of activities and policy formulation for disaster risk reduction in the context of sustainable development, and share existing networks of experts. EERI member Sahar Safaie, GFDRR disaster risk specialist, and Saroj Jha, GFDRR program manager and head of the Secretariat, were instrumental in establishing the MOU.

EERI and the GFDRR are now in the process of identifying specific tasks for EERI to undertake as part of the MOU, including support for EERI’s Learning from Earthquakes Program and several other tasks that build on EERI’s network of experts. Updates and progress reports on EERI-World Bank collaboration will be featured in future issues of the Newsletter. For more information on the GFDRR, visit http://www.gfdrr.org/gfdrr/.

Improved Tutorials on WHE Website

The World Housing Encyclopedia (WHE) tutorials webpage has a new face! EERI interns Chiara McKenney and Michael Germeraad have been working to improve the look and streamline the information available on the tutorial section of the WHE site. Check out the new site (http://www.world-housing.net/tutorials/) for housing reports, design guidelines, and construction tutorials on adobe, confined masonry, stone masonry, and reinforced concrete frames. You’ll also find links to relevant publications, web sites, and video clips.

The tutorials site introduces basic concepts associated with the performance of building types during earthquakes. Each tutorial addresses a single construction type and is a collection of field and research experiences from across the world including planning, design, and construction. Also offered are recommendations for improved earthquake-resistant construction practices for new buildings and for strengthening existing buildings at risk. WHE encourages organizations and government agencies to use these materials in earthquake risk reduction projects.

Volunteers interested in developing new tutorials in collaboration with EERI may contact WHE Editor-in-Chief Andrew Charleson, (andrew.charleson@vuw.ac.nz) or Managing Editor Marjorie Greene, (mgreene@eeri.org).

EERI-IITG Geotech Intern

In addition to the three interns working in the EERI office (see page 8 of the July Newsletter), a fourth is participating in the Institute’s new International Summer Internship Program. This is a collaboration between EERI’s International Activities Committee (IAC) and the Indian Institute of Technology at Gandhinagar (IITG). Sudhir Jain, IAC chair and director of IITG, organized the program. Alex Carolino, a graduate of the University of California at Berkeley, worked June and July at IITG on a research project investigating case studies of liquefaction-induced land spreading, with a special focus on the effects of the Bhuj 2001 earthquake in the Kutch district in the state of Gujarat. EERI oversaw the internship application process, while IITG provided room and board, and Alex paid for his own transportation.

Amit Prashant, M.EERI, the main supervisor for this project, guided Alex in comparing different geotechnical engineering analyses in liquefaction potential evaluation and lateral displacement estimation, with additional guidance provided by Ajantha Sachan, M.EERI. Near the end of the internship in August, Alex will take part in a field trip to the Kutch region to see the earthquake sites and the development of the area in the 10 years since the earthquake.

The final product of the internship will be a review paper summarizing engineering analyses, case studies, and Bhuj earthquake reports dealing with damage from lateral spreading. The goal is to raise awareness among developers. The effort is part of a larger continuing project in the coming years that will identify locations of concern in the Kutch region.

EERI Newsletter, August 2011 Volume 45, Number 8
Subscribing Member News

Call for E-Affiliate Applicants: GeoHazards

GeoHazards International (GHI), a new EERI Subscribing Member, is a California nonprofit working to reduce earthquake risk in the world’s most vulnerable communities. EERI is pleased to announce that GHI intends to sponsor annually up to 120 new EERI e-Affiliate members in developing countries, starting in 2012. GHI is excited to help make EERI’s journal articles, newsletters, and network more widely available to earthquake professionals in countries around the world where access to the latest research and professional developments is limited.

GHI is accepting applications through the end of October. To see a summary of the benefits of EERI’s e-Affiliate program, a list of eligible countries, and the online application form (requiring less than five minutes to complete) for GHI’s sponsorship, visit www.geohaz.org/eeri.

In selecting the applicants to be sponsored, GHI will strive for geographic and professional diversity. Current EERI members are not eligible for this sponsorship. If you know earthquake professionals living in developing countries who could benefit from being EERI e-Affiliates, please tell them about this exciting opportunity!

Announcements

Call to Help Global GMPE Project

The Global Earthquake Model (GEM) Foundation has awarded the Pacific Earthquake Engineering Research Center (PEER) a project aimed at selecting a suite of ground motion prediction equations (GMPEs) that can be used for seismic hazard evaluation at global and regional levels. PEER researchers are collecting comprehensive data and publications from around the world. To make sure that all relevant information is collected, PEER seeks help from all members of the earthquake community to identify regional resources. In particular, the following two items are needed: (1) any regional ground motion databases with a minimum moment magnitude $M_w$ of 4.5 (except PEER, SHARE, K-Net, and KIK-NET); and (2) any published reports and papers showing compatibility or performance of existing GMPEs versus regional data. Please direct your information, references, or publications to peer_center@berkeley.edu before August 30, 2011, so that they can be included in the research project. Additional information on the project can be found at http://peer.berkeley.edu/globalgmpe/.

PEER Annual Meeting

The 2011 PEER Annual Meeting will be held at the Hotel Shattuck Plaza in Berkeley, California, Friday and Saturday, September 30–October 1. In a full-day plenary session on Friday, presentations will feature recent findings from PEER’s mega-projects, including NGA West 2, the Transportation Systems Research Program, the Lifelines Research Program, simulation and performance-based (PB) earthquake engineering tools, the Concrete Grand Challenge, and the Tall Buildings Initiative. Also highlighted will be opportunities for extending PEER’s PB design and resiliency concepts in response to issues raised by recent earthquakes in Chile, New Zealand, and Japan. On Saturday, breakout sessions will discuss current progress of PEER’s mega-projects and opportunities for new research initiatives. Registration is free to all, with a deadline of August 30. To register and for more information, visit http://peer.berkeley.edu/events/annual_meeting/2011AM/.

FEMA E-74

continued from page 1

managers, maintenance personnel, store or office managers, corporate or agency department heads, and homeowners.

Providing more than 70 examples of nonstructural components, the Guide explains their behavior, provides survey and assessment procedures for existing buildings, and discusses nonstructural risk reduction for existing and new buildings. The document also contains appendices that include a sample specification, a responsibility matrix, an inventory form, nonstructural earthquake hazards checklists, nonstructural risk ratings, a list of resources, a glossary, and references.

Publications

Videos on Application of PBSD to Tall Bldgs.

On two evenings in April 2011, more than 100 engineers gathered in San Francisco to attend a seminar hosted by PEER, SEAONC, and the City of San Francisco on Guidelines for Performance-Based Seismic Design of Tall Buildings, developed by PEER’s Tall Building Initiative Project. Thirteen videos of presentations by each speaker are now available for free viewing on PEER’s YouTube Channel, http://www.youtube.com/user/PEERvideos.

The first night of the seminar gave an overview of the topic. The second night provided an example application of the Guidelines on a couple of building case studies that were completed as part of the project.

To view the event agenda with links to each video or to download PDF files of the presentation slides, visit http://peer.berkeley.edu/events/2011/03/peer-seaonc-seminar-pbee-tall-building-guidelines/. To download a free copy of the Guidelines, visit http://peer.berkeley.edu/tbi/publications-reports/.
OpenSees Days

The Open System for Earthquake Engineering Simulation (OpenSees) is a software framework for simulating the seismic response of structural and geotechnical systems. The OpenSees Development Team will hold OpenSees Days August 22-23, 2011, at UC Berkeley’s Richmond Field Station. Students, researchers, and practitioners are welcome to attend. While registration is free and lunch is provided, space is limited to the first 100 applicants. Registration closes on August 19, 2011. To register, visit http://openseesdays2011.eventbrite.com.

On August 22, the OpenSees User Workshop, intended for beginning and intermediate users, will focus on how to use OpenSees, with more hands-on activities than included in previous years. Users will be introduced to the Tcl scripting language and basic modeling and analysis techniques. August 23 will cover advanced tools and topics, including presentations on parallel and cloud computing, reliability and sensitivity analysis, optimization, and the development of basic graphical user interfaces.

Participants will choose the winner of this year’s OpenSees Challenge, to be awarded to the developer of the best-judged OpenSees powered tool running on NEEShub (http://www.nees.org). For more information and to view the challenge rules, visit: http://opensees.berkeley.edu/challenge/2011.php.

OpenSees has advanced capabilities for modeling and analyzing the nonlinear response of systems using a wide range of material models, elements, and solution algorithms. OpenSees has been developed as the computational platform for research in performance-based earthquake engineering at the Pacific Earthquake Engineering Research Center, and has been the simulation component for the NEES since 2004.

NEES News

NEEShub Project Warehouse: Updates

The Project Warehouse on the NEEShub is the centralized data repository for sharing and publishing earthquake engineering research data from experimental and numerical studies. The data in the Project Warehouse are associated with research projects funded by a variety of agencies and include experiments performed at NEES and non-NEES equipment sites. Three highlighted projects, some of which take advantage of data viewing within the NEEShub using the tool inDEED, are summarized below.

Seismically Induced Delayed Landslides in Homogeneous Cohesive Slopes and Embankments (https://nees.org/warehouse/project/664), PI: Joseph Wartman (University of Washington). Three centrifuge tests were conducted at the geotechnical centrifuge at RPI to investigate slow-moving, post-seismic slope failures in clay slopes (i.e., landslides taking place after earthquake shaking ends). The tests focused on the role of pore pressure generation and its time-rate of dissipation on the long-term deformation response of slopes. Centrifuge experimental data was used to calibrate a power-law viscosity numerical model that captures initiation of movement and subsequent ground deformation response. Several different input motions were applied to each model, and pore pressure, acceleration, and deformation data are available for numerous locations within each model slope.

Ultra-Low Cycle Fatigue and Fracture in Steel Structures (https://nees.org/warehouse/project/96), PIs: Amit Kanvinde (University of California at Davis), Greg Deierlein (Stanford University). Thirty-eight large-scale tests on various steel components were conducted at NEES@Berkeley. Four phases of testing were conducted, including (1) nineteen tests on the buckling and fracturing of steel braces under cyclic loading, (2) six tests on cantilever-base plate connections exhibiting weld fracture, (3) six tests characterizing shear transfer mechanisms in column base connections and (4) seven tests characterizing moment transfer mechanisms in column base connections. Load, displacement, strains, and temperature data for these phases of testing are available, along with high resolution still images and video recordings of the tests and critical regions of failure.

Development of Performance-Based Tsunami Engineering (https://nees.org/warehouse/project/64), PIs: H. Ronald Riggs (University of Hawaii [UH]), Solomon Yim (Oregon State University), Ian Robertson (UH), Kwok Fai Cheung (UH), Yin Lu (Julie) Young (Princeton University). Tsunami run-up and resulting structural loading tests were conducted at NEES@OSU. The tests involved solitary waves propagating on a beach slope and breaking on a reef crest, with a subsequent bore propagating over the horizontal reef. The bore impacted structural specimens, such as single and multiple columns, vertical walls, and wall-slab combinations. Wave heights and velocities as well as pressures and forces on the structural specimens were measured. Small scale tests were carried out in the Tsunami Wave Basin, and larger scale tests were carried out in the Large Wave Flume.
EERI ANNUAL STUDENT PAPER COMPETITION

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

The general rules of the contest are as follows:

**Undergraduate Category**

1. The paper must be directly related to earthquake engineering or earthquake hazard reduction.
2. The paper is not to exceed 12 pages in length inclusive of all tables and figures.
3. The paper must be authored by the student alone. In addition, a faculty member or other advisor is required to oversee the preparation of the manuscript. The advisor can provide feedback before submission of the paper but may not co-author the paper. The advisor’s name should be included in the “Acknowledgments” section of the paper.

**Graduate Category**

1. The paper must be an original contribution in a discipline directly related to earthquake engineering or earthquake hazard reduction.
2. The paper is not to exceed 12 pages in length inclusive of all tables and figures.
3. The paper must represent the original work of the student and be authored by the student alone. A faculty member or other advisor may not co-author the paper.

Applicants must be enrolled at an accredited U.S. college or university and must be U.S. residents.

Guidelines for preparing the manuscript can be obtained from the EERI web site (http://www.eeri.org/site/paper-comp#details) or from EERI, 499 14th Street, Suite 320, Oakland, CA 94612, phone 510/451-0905, fax 510/451-5411. All papers must be e-mailed by November 1, 2011, to Juliane Lane at the EERI office, juliane@eeri.org.

Up to four student authors will be invited to EERI’s Annual Meeting, April 10-14, 2012, in Memphis, Tennessee, and will receive travel support for this purpose. Their papers will also be considered for publication in Earthquake Spectra. The top paper in the graduate category may be presented at the Annual Meeting.

**DEADLINE: November 1, 2011**
Resiliency Workshop

The U.S. Department of Homeland Security (DHS), Science and Technology (S&T) Directorate, is sponsoring a workshop titled “Resiliency of the National Building Inventory: Creating a Roadmap for the Future,” to be held September 13-14, 2011, at the University of Southern California in Los Angeles. The workshop’s two goals are (1) to identify the state of the national building inventory and performance issues associated with aging buildings, and (2) to outline retrofit techniques for the future of the building inventory. Also discussed will be the need for high performance and continuity of operations in the building life cycle. The workshop focus will be on large commercial, residential, institutional, and industrial buildings. Presenters will include EERI members who are leaders in the resiliency field.

Cosponsors are Wiss, Janey, Elstner and Associates (an EERI Subscribing Member) and Karagözian & Case. There is no fee to register. The EERI home page (www.eeri.org) has a link to the workshop invitation. To RSVP, e-mail aging_buildings@urscorp.com with your contact information by August 15.

Extreme EQ Loadings Test at E-Defense

EERI members are invited to attend the August 17-19, 2011, testing at the E-Defense shake table facility at the Hyogo Earthquake Engineering Research Center, Japan, of a full-scale five-story building including contents and nonstructural components. The building will be supported on triple pendulum bearings provided by EERI Subscribing Member Earthquake Protection Systems (EPS). The performance criteria being tested represent an important new direction in seismic design. The isolated structure will be subjected to the most extreme recorded earthquake loadings, with the intention to demonstrate that isolation systems can be designed to protect contents, nonstructural components, and structures from damage during the most severe earthquake shaking. The test program is a collaborative effort of the U.S. NEES (Network for Earthquake Engineering Simulation) and Japan’s NIED (National Institute for Earth Science and Disaster Prevention). For more information, visit http://unr.edu/engineering/cee/faculty/klryan/NEESTIPS/E-Defense.htm.

DFI Early Bird Reg.

Registration is open for the 36th Annual Conference of the Deep Foundations Institute (DFI), to be held October 18-21, 2011, in Boston, Massachusetts. Registration fees will increase by $100 after September 1, 2011. Until then, they are $795 for members and $895 for nonmembers. For information on the program and to register, visit http://www.dfi.org/conferencedetail.asp?id=172.

Meeting PDFs Available Online

Quake Summit 2011: More than 325 attendees gathered June 9-11 in Buffalo, New York, at Quake Summit 2011, with the theme “Earthquake & Multi-Hazards Resilience: Progress and Challenges.” A recap of the event and PDFs of over 100 presentations are available from www.quakesummit.org. The Summit combined the annual meetings of NEES and MCEER. Thursday evening’s opening plenary session, organized by EERI, featured seven speakers sharing their perspectives on the 2011 February earthquake in Christchurch, New Zealand, and the March 11 Tohoku, Japan earthquake and tsunami.

GEM Outreach Meeting: The Global Earthquake Model (GEM) Outreach Meeting took place in Beijing, China, June 6-9, 2011. The PowerPoint presentations in PDF format of most of the speakers can be downloaded from http://www.globalquakemodel.org/outreach/om2011. Also accessible are summaries of brainstorming participant-driven sessions. Presentations covered the topics of hazard and risk assessment in China and the wider Asia region; earthquake forecast studies in China; the Global Component projects; earthquake risk assessment within the scope of GEM; GEM’s progress, interim results, and products; the Tohoku, Japan, earthquake; and the role of the private sector in risk mitigation.

Seismic Risk Mitigation Leadership Forum: More than 300 attendees gathered in San Francisco, California, for the Seismic Risk Mitigation Leadership Forum for the purpose of addressing policy and public safety issues relevant to making California and other states more earthquake resistant. Thirteen PDFs of forum presentations can be downloaded at no charge from http://www.mitigationleadership.com/presentations.cfm?f=SRM.

Disaster Recovery Symposium: Papers from the March 2011 online symposium “Community Recovery from Disaster” can be accessed from https://www.riskinstitute.org/peri/content/view/1118/5/. More than 400 people registered for this symposium, hosted by the Public Entity Risk Institute and moderated by EERI member Laurie Johnson. Topics included the physical dimensions of recovery, the role of community capitals in disaster recovery, economic challenges after a disaster, a comprehensive view of recovery of the whole community, and the disaster assistance framework. Participants had access to a preview of the book, Planning for Post-Disaster Recovery: A Review of the United States Disaster Assistance Framework, by Gavin Smith of the University of North Carolina Hazards Center, which is now available for $49.95 from the online PERI Bookstore.

Papers from the March 2011 online symposium “Community Recovery from Disaster” can be accessed from https://www.riskinstitute.org/peri/content/view/1118/5/. Also accessible are summaries of brainstorming participant-driven sessions. Presentations covered the topics of hazard and risk assessment in China and the wider Asia region; earthquake forecast studies in China; the Global Component projects; earthquake risk assessment within the scope of GEM; GEM’s progress, interim results, and products; the Tohoku, Japan, earthquake; and the role of the private sector in risk mitigation.

Disaster Recovery Symposium: Papers from the March 2011 online symposium “Community Recovery from Disaster” can be accessed from https://www.riskinstitute.org/peri/content/view/1118/5/. More than 400 people registered for this symposium, hosted by the Public Entity Risk Institute and moderated by EERI member Laurie Johnson. Topics included the physical dimensions of recovery, the role of community capitals in disaster recovery, economic challenges after a disaster, a comprehensive view of recovery of the whole community, and the disaster assistance framework. Participants had access to a preview of the book, Planning for Post-Disaster Recovery: A Review of the United States Disaster Assistance Framework, by Gavin Smith of the University of North Carolina Hazards Center, which is now available for $49.95 from the online PERI Bookstore.

PDFs from the March 2011 online symposium “Community Recovery from Disaster” can be accessed from https://www.riskinstitute.org/peri/content/view/1118/5/. More than 400 people registered for this symposium, hosted by the Public Entity Risk Institute and moderated by EERI member Laurie Johnson. Topics included the physical dimensions of recovery, the role of community capitals in disaster recovery, economic challenges after a disaster, a comprehensive view of recovery of the whole community, and the disaster assistance framework. Participants had access to a preview of the book, Planning for Post-Disaster Recovery: A Review of the United States Disaster Assistance Framework, by Gavin Smith of the University of North Carolina Hazards Center, which is now available for $49.95 from the online PERI Bookstore.

2011 February earthquake in Christchurch, New Zealand, and the March 11 Tohoku, Japan earthquake and tsunami.

GEM Outreach Meeting: The Global Earthquake Model (GEM) Outreach Meeting took place in Beijing, China, June 6-9, 2011. The PowerPoint presentations in PDF format of most of the speakers can be downloaded from http://www.globalquakemodel.org/outreach/om2011. Also accessible are summaries of brainstorming participant-driven sessions. Presentations covered the topics of hazard and risk assessment in China and the wider Asia region; earthquake forecast studies in China; the Global Component projects; earthquake risk assessment within the scope of GEM; GEM’s progress, interim results, and products; the Tohoku, Japan, earthquake; and the role of the private sector in risk mitigation.

Seismic Risk Mitigation Leadership Forum: More than 300 attendees gathered in San Francisco, California, for the Seismic Risk Mitigation Leadership Forum for the purpose of addressing policy and public safety issues relevant to making California and other states more earthquake resistant. Thirteen PDFs of forum presentations can be downloaded at no charge from http://www.mitigationleadership.com/presentations.cfm?f=SRM.

Disaster Recovery Symposium: Papers from the March 2011 online symposium “Community Recovery from Disaster” can be accessed from https://www.riskinstitute.org/peri/content/view/1118/5/. More than 400 people registered for this symposium, hosted by the Public Entity Risk Institute and moderated by EERI member Laurie Johnson. Topics included the physical dimensions of recovery, the role of community capitals in disaster recovery, economic challenges after a disaster, a comprehensive view of recovery of the whole community, and the disaster assistance framework. Participants had access to a preview of the book, Planning for Post-Disaster Recovery: A Review of the United States Disaster Assistance Framework, by Gavin Smith of the University of North Carolina Hazards Center, which is now available for $49.95 from the online PERI Bookstore.
CALENDAR

The issue containing the first appearance is indicated at the entry's end. Items listed for the first time are shown in bold.

2011
AUGUST
22-23, OPENSEES Days, UC Berkeley. See page 4. (8/11)
23-26, 4th Int'l IASPEI/IAEE Symp. on Effects of Surface Geology on Seismic Motion (ESG4), UC Santa Barbara. es4g4eri.ucsb.edu/ (2/11)
30-Sept. 1, 3rd Int'l Workshop on Perf., Protect'n, & Strengthening of Structures under Extreme Loading (Protect 2011), Lugano, Switzerland. www.protect2011.supsi.ch (8/10)
SEPTEMBER
7-9, 8th Int'l Conf. on EQ-Resistant Engineering Structures (ERES 2011), Chianciano Terme, Italy. http://www.wessex.ac.uk/eres2011news5.htm (5/11)
13-14, Workshop on Resiliency of the National Building Inventory, Los Angeles. See page 6. (8/11)
18-21, 1st Int'l Conf. on EQs & Structures (ICEAS-2011), Seoul, S. Korea. asem11.ctl3.com/ (12/10, 1/11)
21-24, SEAOC Convention, Las Vegas, NV. convention.seaoc.org/. See this page. (2/11, 8/11)
OCTOBER
2-6, 7th World Cong. Joints, Bear-

ings, & Seis. Sys./Conc. Structs, Las Vegas, NV. www.ijbrc.org/ (8/10)
NOVEMBER
DECEMBER
2012
JANUARY
9-11, Behavior of Steel Structures in Seismic Areas (STESSA 2012), Santiago, Chile. www.ingcivil.uchile.cl/stessa2012 (11/10)
FEBRUARY
MARCH
3-4, International Symposium One Year after the 2011 Eastern Japan Earthquake, KENCHU-kaikan Hall, Tokyo. Info: kawashima. k.a@m.titech.ac.jp (8/11)
APRIL
MAY
JULY
8-12, 6th Int'l Conf. on Bridge Maintenance, Safety and Management (IABMAS 2012), Lake Como, Italy. www.iabmas2012.org (12/10, 1/11)
SEPTEMBER
24-28, 15th World Conf. on EQ Eng. (15WCEE), Lisbon, Portugal. www.15wcee.org. See page 8. (8/10, 8/11)
OCTOBER
3-6, Symp. on Life-Cycle Civil Eng. (IALCCE), Vienna, Austria. www.ialc2ce2012.org (12/10, 1/11)

News of the Membership

Honor for Wilson

As part of the SEAOC 2011 Annual Convention in Las Vegas, EERI Diamond Subscribing Member Computers & Structures Inc. (CSI) is hosting a dinner reception, free to conference attendees, at the Bellagio Hotel on September 23 in honor of EERI member Edward L. Wilson’s 80th birthday. To register, visit http://convension.seaoc.org/

Wilson has been at the forefront of modern computerized structural analysis. Virtually every piece of modern structural analysis software contains some technology that can be traced back to his original groundbreaking research and development.

Call for Papers

NED Journal Issue

The NED University Journal of Research of Karachi, Pakistan, will publish a thematic issue on earthquakes in October 2012, with the goal of providing a variety of perspectives on the technological development and mitigation aspects of earthquakes. Due by October 30, 2011, manuscripts (no word limit) should report on original research or present an original framework related to previous research.

For more information, visit http://www.neduet.edu.pk/NED-Journal/Thematic_earthquakes.html.
News of the Institute

NEES-EERI Chile Earthquake Webinar Available Online

The second NEES-EERI webinar in the series “Reducing Earthquake Losses: From Research to Practice” was held on Friday July 15, 2011. Professors John Wallace from UCLA and Leonardo Massone from the University of Chile, Santiago, presented information about damage to concrete buildings in Chile and the implications for U.S. building practice and the ACI code. The webinar can be viewed online at http://nees.org/resources/multimedia. (If you sort by date on the drop-down menu, it will be near the top of the list in the “Resources” column.) The response to the live webinar was enthusiastic, with 355 registrations (180 design professionals, 45 faculty, 121 students, and a variety of others such as government agencies, post docs, research scientists, seismologists, and representatives of the insurance industry). Thirty-five attendees requested PDH credits.

While most registrants were from the U.S., more than 60 community members from around the world joined in. Countries represented included Argentina, Canada, Chile, China, Colombia, Costa Rica, Ecuador, England, Greece, India, Israel, Japan, Malaysia, Mexico, New Zealand, Peru, the Philippines, Portugal, Puerto Rico, the Russian Federation, Scotland, Serbia, Spain, Switzerland, Thailand, Turkey, the United Arab Emirates, and Venezuela.

Call for Papers

15WCEE

A call for abstracts has been issued for the 15th World Conference on Earthquake Engineering (15WCEE), to be held September 24-28, 2012, in Lisbon, Portugal. It will be hosted by the Portuguese Society for Earthquake Engineering, under the auspices of the International Association for Earthquake Engineering. The conference will cover the broad spectrum of topics in the multidisciplinary earthquake fields.

The abstract submission deadline is October 15, 2011. The paper submission deadline will be April 15, 2012. Every approved paper must be associated with a registered participant (payment process completed). Approved papers can be cancelled by the authors up to July 16, 2012. For more information, visit http://www.15wcee.org/.

Publications

TCLEE Report on Japan Earthquake


Directory of FEMA Earthquake Partners

The recently updated version of the Directory of FEMA Earthquake Partners can be viewed or downloaded from http://www.fema.gov/library/viewRecord.do?id=4573. The Directory provides current contact information for more than 300 organizations and individuals involved in earthquake mitigation at the federal and state levels and in the nongovernmental sector. The Directory will be updated on a regular basis. If you believe your organization should be included, or if you have an update, email farsenault@briconsultinggroup.com.

To view or download other NEHRP publications and products or to sign up for updates on publications, news, and events, visit http://www.fema.gov/plan/prevent/earthquake/publications.shtm.