News of the Institute

2011 Annual Meeting Highlights

More than 550 attendees (including ~250 undergraduate students) enjoyed the 63rd EERI Annual Meeting February 9-12 in balmy San Diego, finding opportunities to learn, to exchange knowledge and ideas, to engage their colleagues, and to become more active in EERI. They benefited from an insightful and timely program with the theme “Earthquakes without Borders.” Plenary sessions explored the effects of the 2010 Baja California earthquake (140 miles east of San Diego) and the multidimensional issues that will face California and Mexico simultaneously when an earthquake strikes the region in the future, including the implications of the tsunami hazard.

The program also delved into the lessons learned from the other damaging earthquakes of 2010 — those in Haiti, Chile, and New Zealand, which demonstrated the importance of EERI’s multidisciplinary work and advocacy to improve earthquake safety, as well as the fact that there is much still to be learned. Another session addressed the issue of how engineers can work together to integrate research and practice.

continued on page 2

Annual Meeting photos by Marshall Lew unless otherwise noted

Pre-banquet poster session, February 11.

Mete Sozen Receives Housner Medal

At EERI’s Annual Meeting last month, EERI member Mete Sozen, professor of structural engineering at Purdue University, was awarded EERI’s highest honor, the George W. Housner Medal, in recognition of his seminal research in earthquake-resistant design of reinforced concrete structures, development of seismic provisions of building codes, and leadership on behalf of seismic safety that changed the landscape in earthquake engineering worldwide. His pioneering work on the shear strength of prestressed and reinforced concrete beams is reflected in the American Concrete Institute Building Code as well as the European Concrete Code. In recent years, he has applied his expertise to explain blast responses in concrete buildings.

He received his undergraduate degree in civil engineering at Istanbul’s Bogazici University, which subsequently granted him an honorary doctorate. He earned his graduate degrees at the University of Illinois, Urbana, where he joined the faculty in 1957. In 1993, he joined the Purdue faculty. It is not surprising that Mete was chosen as EERI’s Distinguished Lecturer in 2002, given his dedication to teaching and his popularity with students.
Stephanie Chang, professor of disaster management and urban sustainability at the University of British Columbia, delivered the inaugural 2011 Distinguished Lecture, “Dynamics of Urban Earthquake Risk,” for the first time on February 11 during the Annual Meeting.

Her presentation explores whether cities are becoming safer due to advances in earthquake engineering or are facing increasing risk as a result of societal factors, such as population expansion and urban development. Chang examines the multiplicity of factors influencing the likelihood of earthquake losses and how these factors have been changing over time, individually and interactively.

She undertakes this examination at the urban scale with a case study of metropolitan Vancouver, Canada, by looking at the city’s historic development. To estimate casualties, she developed a loss estimation model, which she applied in a retrospective analysis. Results indicate not only whether the metropolitan area has become safer (in terms of expected earthquake casualties), but also the explanatory factors behind this trend and disparities within the urban area. The results provide some preliminary insight into future trends in earthquake risk.

To gain insight into whether the Vancouver results can be generalized to other urban areas, Chang considers other cities whose development patterns and histories differ notably from Vancouver’s. She briefly discusses several cities, including Memphis, Los Angeles, Tokyo, and Port-au-Prince. The discussion focuses on the extent, direction, and implications of changes in selected major risk factors in each area.

Stephanie Chang

Chang’s concludes her presentation by noting the importance of understanding urban risk dynamics for designing effective policies to reduce risk and suggests key areas for further research.

For background information about Chang, see page 1 of the November 2010 Newsletter. Groups who wish to invite her to present her Distinguished Lecture should contact the EERI office.
Annual Meeting Highlights

continued from page 2

tute’s highest honor, the George Housner Medal, on Mete Sozen, professor at Purdue University (see page 1). The Shah Family Innovation Prize was presented by Joan Shah to Emily So of the U.S. Geological Survey. Honorary Memberships went to Helmut Krawinkler, professor at Stanford University, and W. D. Liam Finn, professor at the University of British Columbia (see below). The recipient of the EERI Alfred E. Alquist Special Recognition Award was Haresh Shah, professor emeritus at Stanford University and founder of Risk Management Solutions.


Arzhang Alimoradi gave a presentation about the first, second, and third place awards in EERI’s 4th Annual Graphics Competition, which all went to Martin Koller and Esteban Rosales of Résonance Ingénieurs-Conseils SA, Switzerland, for their development of three leaflets with information on moderate seismicity for engineers, architects and building owners in Switzerland.

Stephanie Chang, professor at the University of British Columbia, delivered the inaugural 2011 EERI Distinguished Lecture on “Dynamics of Urban Earthquake Risk” (see page 2). She introduced her talk with the story of how, as an undergraduate at Princeton during the 1980s, she wrote to the California Seismic Safety Commission asking for information to assist in her research project. To her astonishment, she

continued on the next page

New Honorary Members: Finn and Krawinkler

The EERI Board of Directors selected W. D. Liam Finn and Helmut Krawinkler as Honorary Members of the Institute. Honorary membership is awarded to recognize members who have made sustained and outstanding contributions either in the field of earthquake engineering or to EERI and the pursuit of its objectives.

W. D. Liam Finn, professor emeritus at the University of British Columbia (UBC), was recognized for his significant contributions to many disciplines of earthquake engineering for nearly five decades, including soil liquefaction, nonlinear effective stress analysis, performance-based earthquake engineering, and leadership in seismic safety worldwide. An EERI member since 1976, he is one of the top geotechnical earthquake engineers internationally. Liam has made significant contributions to the use of seismic risk assessment tools, the development of soil-foundation-structure interaction procedures, and the employment of innovative soil liquefaction mitigation measures including the “pile pinning” concept. Since 2005, he has been one of key participants in a $CND 1.5 billion seismic mitigation program for school buildings in British Columbia, the first of its kind in the country, sponsored by the BC Ministry of Education. He is also a co-author of Guidelines for the Performance-Based Seismic Retrofit of Schools, a document that uses a novel approach to assessing seismic risk of buildings.

Helmut Krawinkler, John A. Blume Professor Emeritus of Engineering at Stanford University, was recognized for his extraordinary contributions to the development of performance-based earthquake engineering, development of seismic provisions of building codes, leadership on behalf of seismic safety, and dedicated service and leadership at EERI. His research and professional work have defined a new engineering paradigm that has led to today’s field of performance-based earthquake engineering.

Through his participation on numerous FEMA/ATC projects, Helmut has translated research results into concepts and guidelines that have profoundly influenced the direction of earthquake hazard mitigation. Examples of such projects are the development of design rules for panel zones in steel frames (AISC Seismic Provisions 341-05); the nonlinear static procedure for frame analysis in FEMA-273; a methodology for seismic assessment of buildings (ATC-58); quantification of performance of new seismic load resisting systems (ATC-63, FEMA-P695); and guidelines for the seismic design of tall buildings (ATC-72).
**Annual Meeting Highlights**

*continued from page 3*

received much more than she asked for, plus a personal letter from Tom Tobin, the CSSC executive director at that time, encouraging her research endeavors.

**Casino Night:** After the Friday evening banquet, many attendees let loose at “Casino Night,” which offered real-time events with probabilities. It was a fundraiser for the student engineering groups at UC San Diego and San Diego State University.


**Seismic Design Competition:** Support from FEMA, Degenkolb Engineers, Computers and Structures, Digitexx, Kinematics, the Pacific Earthquake Engineering Research (PEER) Center, and Tobolski/Watkins Engineering enabled approximately 250 students from 28 universities (including three from outside the U.S.) to participate in one of the most interesting and entertaining events of the meeting — the 8th Annual Undergraduate Seismic Design Competition, organized by the Student Leadership Council and hosted by EERI.

On Thursday, the teams presented the creative and innovative designs of high-rise office buildings that they designed, analyzed (with SAP software), and fabricated. On Friday, the teams competed in front of audiences of cheering students and professionals by having their models subjected to three sets of ground motions on a shake table. Sixteen structures survived all three. On Saturday afternoon, the awards ceremony revealed that Oregon State University took first place, followed by Cal Poly San Luis Obispo in second, and the University of Illinois Urbana Champaign in third.

The Charles Richter Spirit of Competition Award went to UC Davis; the Egor Popov Structural Innovation Award was won by Romania’s Technical University Cluj-Napoca, and San Jose State University received the Fazlur Khan Award for Architectural Design. For photos and information on team scores, visit [http://slc.eeri.org/seismic.htm](http://slc.eeri.org/seismic.htm).

**Post-meeting workshop and field trips:** After technical sessions were over, participants had still more options. Many attended the Workshop on the Seismic Safety of Schools, while others chose between two field trip opportunities: either the experimental facilities at UCSD’s Englekirk Center or the heritage buildings in the historical landmark district of Balboa Park.

**Thanks:** EERI greatly appreciates support from Kinematics and Micro-G Lacoste for sponsoring coffee breaks. Heartfelt thanks go to the fantastic organizing committee members — Jorge Meneses (chair), Alvaro Celestino, Anna Lang, Diane Murbach, Manwendra (Manny) Sinha, Andreas Stavridis, Matthew Tobolski, Lelli Van Den Einde, Geoff Warcholik, and Derrick Watkins — for their hard work in putting together an outstanding, thought-provoking program. FEMA funding enabled 14 graduate students from all over the United States and three young professionals to attend the meeting.

The April Newsletter will have more information on the 2009 Outstanding Earthquake Spectra Paper Award, the recipients of the Shah Prize and the Alquist Special Recognition Award, the Joyner Lecture, and the winners of the Student Paper Competition and the 4th Annual Graphics Competition.
EERI is pleased to announce the availability of a Graduate Fellowship for the 2011-2012 academic year to support one full-time student 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 fellowship provides a nine-month stipend of $12,000 with an additional $8,000 for tuition, fees, and research expenses.

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.

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. They should evaluate the applicant’s recent academic performance and the candidate’s potential to contribute to the field.

TO APPLY

Candidates may download an application by visiting http://www.eeri.org/site/awards/fellowships/graduate/

Deadline for submission of all application materials is MAY 16, 2011. Announcement of the award will be made on JUNE 20, 2011.
News of the Institute

Secretary/Treasurer’s Report: FY 2010

Membership: The 2010 Membership Report reflects an improvement in the overall number of members compared to the previous year. Although there are slightly fewer regular members, growth in the numbers of e-student and young professional members is a positive sign for the future of EERI.

Value to Members: Mindful of the difficult economy, the Board held the line for 2011 by not increasing dues. In 2010, EERI members received nearly triple their dues in value, as steadfast staff and volunteer efforts meant each member received $703 in direct and indirect benefits. The world-class journal Spectra is indexed widely and has a high impact factor.

Budgets for 2010 and 2011: EERI ended 2010 with a surplus of $127,000. Attendance at the 9th U.S. National/10th Canadian Conference on Earthquake Engineering was less than expected, and diligence was required to break even. 2011 is conservatively projected to end with a deficit of $204,000, as less revenue is expected from NSF for the Learning from Earthquakes (LFE) Program. Although the projection looks ominous, the Board is committed to finding other funding models for LFE and anticipates a better outcome by the end of the year.

Thanks go to all members for their continuing support of EERI, not only financially but also through the giving of time, skills, and talent. Your efforts are a testament to the value of EERI membership and what EERI’s mission means to you. I am serving the last year of my six-year term as secretary-treasurer, and can say that while the job has not always been easy, it has been a labor of love.

Marshall Lew, EERI Secretary/Treasurer

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2010 Summary of Revenues and Expenses

<table>
<thead>
<tr>
<th>Association Revenues ($1,000s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Meetings</td>
</tr>
<tr>
<td>Publications</td>
</tr>
<tr>
<td>Membership and Spectra Dues</td>
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<tr>
<td>G &amp; A</td>
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<tr>
<td>Other Programs</td>
</tr>
<tr>
<td>Grants</td>
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<td>TOTAL REVENUES</td>
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<table>
<thead>
<tr>
<th>Association Expenses ($1,000s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Meetings</td>
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<td>G &amp; A</td>
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<tr>
<td>Other Programs</td>
</tr>
<tr>
<td>Grants</td>
</tr>
<tr>
<td>TOTAL EXPENSES</td>
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</tbody>
</table>

TOTAL REVENUES OVER EXPENSES $127

Summary of Endowment Fund Balance from Inception to 12/31/10

| Net Revenues ($1,000s) | $3,661 |
| Net Expenses ($1,000s) | $2,077 |
| TOTAL REVENUES OVER EXPENSES ($1,000s) | $1,584 |

2010 Direct Benefits of Membership

<table>
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<tr>
<th>2010 Expenses ($1,000s)</th>
<th>Per Member</th>
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<tr>
<td>General Administration</td>
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<tr>
<td>Membership Services</td>
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<tr>
<td>Newsletter</td>
<td>42</td>
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<tr>
<td>Spectra Journal</td>
<td>189</td>
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<tr>
<td>All Other Programs</td>
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2010 Indirect Benefits of Membership

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<td>FEMA</td>
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TOTAL DIRECT & INDIRECT BENEFITS $1,199 $703
### 2010 Membership Report

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<td>Student Members</td>
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<tr>
<td>E-Student Members</td>
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<tr>
<td>Retired Members</td>
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<td>E-Affiliate Members</td>
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<td>SSA</td>
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<td>Young Professional</td>
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<td><strong>Institutional Members</strong></td>
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<td>Platinum Subscribing Members</td>
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<tr>
<td>Gold Subscribing Members</td>
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<tr>
<td>Silver Subscribing Members</td>
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<tr>
<td>Bronze Subscribing Members</td>
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<tr>
<td>Institutional Members</td>
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<td><strong>SUBTOTAL</strong></td>
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<td>77</td>
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<tr>
<td><strong>TOTAL MEMBERSHIP</strong></td>
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<td>2,348</td>
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### 2011 Budget for Revenues and Expenses

#### Revenues ($1,000s)

- Meetings: $354
- Publications: 79
- Membership and *Spectra*: $703
- Endowment Programs: 191
- Grants: 374
- Other Programs: 49
- G & A: 2

**TOTAL REVENUES**: $1,752

#### Expenses ($1,000s)

- Meetings: $354
- Publications: 158
- Membership and *Spectra*: 408
- Endowment Programs: 191
- Grants: 374
- Other Programs: 79
- G & A: 392

**TOTAL EXPENSES**: $1,956

**NET REVENUES UNDER EXPENSES**: ($204)

### NEESWood Webinar

NEEScomm recorded the January 14 NEES/EERI webinar on the NEESWood Project, “Performance-Based Seismic Design of Mid-Rise Light-Frame Wood Buildings,” so those unable to attend may review it at their discretion. The event summarized key findings of the ground-breaking NEESWood project and featured presenters John W. van de Lindt, NEESWood Principal Investigator, and Steve Pryor, international director of building systems with Simpson Strong-Tie. To view the webinar, visit [http://nees.org/resources/2494/supportingdocs](http://nees.org/resources/2494/supportingdocs).

The NEES/EERI Webinar Series is geared for both practitioners and researchers, featuring the outcomes of NEES research projects and highlighting the significance of the results for improved design and construction. Future programs are forthcoming.

### New Subscribing Member: AISC

EERI is pleased to announce a new addition to the Institute’s ranks of Subscribing Members: the American Institute of Steel Construction (AISC), headquartered in Chicago. AISC is a not-for-profit technical institute and trade association established in 1921 to serve the structural steel design community and construction industry in the United States. AISC’s mission is to make structural steel the material of choice by being the leader in structural steel-related technical and market-building activities, including specification and code development, research, education, technical assistance, quality certification, standardization, and market development. AISC has a long tradition of providing timely and reliable information to the steel construction industry. AISC has long been active in earthquake-resistant construction, offering publications, seminars, and webinars on the topic. For more information, visit [http://www.aisc.org/](http://www.aisc.org/).
News of the Institute

Summary of the Minutes of the Board of Directors Meeting of December 7, 2010

Call to order: President Farzad Naeim called the meeting to order at 8:37 a.m. Also present were Directors William Anderson, Marshall Lew, Joseph Maffei, Jack Moehle, Ellen Rathje, and Thomas Tobin, Executive Director Jay Berger, Special Projects Manager Marjorie Greene, and Publications Manager Eloise Gilland. Directors Reginald DesRoches and Masayoshi Nakashima were unable to attend. Stephen Mahin and Heidi Faison of the Pacific Earthquake Engineering Research Center joined the Board for lunch to discuss ways for PEER and EERI to collaborate.

Publications Sales Report: Gilland reported that the November 30, 2010, Publication Sales Report reflects the same trends as shown in the September report, showing total sales of $22,035, compared to $45,469 for the same period in 2009, with most of the decline due to fewer sales of the 2008 monograph, Soil Liquefaction During Earthquakes.

Membership Report: The current Membership Report compiled by Juliane Lane shows 65 more members overall compared to last year at this time, with numbers of regular members down by 32. The bright spots are increases in E-Student members (97) and Young Professionals (56). With stagnant membership numbers, EERI needs a positive feedback loop in which more members generate more activity, more energy, better meetings, better conferences, and more members. At the present time, the only membership categories growing are e-students and young professionals. Maffei led a discussion of ideas for increasing membership and said the next step is to go from ideas to action items with assigned responsibilities.

EERI/GEER Collaboration Agreement: The Board approved the GEER-EERI Collaboration Agreement.

Secretary/Treasurer’s Report Overview of revenue and expense reports: In reviewing the report of revenues and expenses as of October 31, Lew commented that EERI is in good shape for 2010, with revenue projected to be greater than expenses at the end of the year. Next year is more problematic because of extra issues of Spectra that are unfunded. Berger said EERI will seek grants and other contributions to fund those issues.

Investment report and overview: Lew reported that EERI’s investments, including the Friedman Family and Shah Innovation Prize funds, are rebounding nicely. The combined balance sheet showed positive revenue for Association Programs of $244,970 as of October 31, 2010. Adding this to the opening fund balance for Association Programs (January 1, 2010) of $257,206 results in a total fund balance of $502,176. Association Program liabilities as of October 31, 2010, were $206,438, resulting in total assets of $708,614.

Executive Director’s Objectives for 2011: A recent Executive Committee meeting included a review of the executive director’s performance for 2010 and a discussion of the Institute’s and the director’s strategic and operational objectives for 2011. Strategic objectives covered the areas of membership, chapters, committees, advocacy, strategic planning, development, publications, and partnerships. Operational/programmatic objectives covered information technology, staff relations, finance, conferences, seminars, and meetings.

NSF Research Needs Workshops: The Board was provided with the overviews, main findings, and recommendations of the two NSF-funded workshop reports on the research needs and opportunities emerging from the Chile and Haiti earthquakes of 2010. Both reports were issued in November.

China-US Symposium: Greene discussed the China-U.S. Symposium held in Beijing and Mianyang in October. She and Tobin represented EERI. Greene recommended that the Board support further investigation into possibilities for U.S.-China collaboration.

2012 National Earthquake Conference (NEC) and EERI Annual Meeting: Berger indicated that the NEC-EERI Annual Meeting has been scheduled for the third week of April 2012 in Memphis. It will be an integrated program rather than having parallel tracks. Maffei observed that in negotiations so far, organizers have been accommodating in granting EERI’s requests.

NEES-EERI Webinar Series: The topic of the first webinar in the new NEES-EERI engineering webinar series will be “Performance-Based Seismic Design of Mid-Rise Light-Frame Wood Buildings.” It will take place January 14, 2011, 11:30 a.m. to 1:00 p.m. The title of the series is “Reducing Earthquake Losses: From Research to Practice.”

EERI-FEMA Technical Seminar Series: The numbers of attendees at the FEMA 547 seminars on “Techniques for the Seismic Rehabilitation of Existing Buildings” were less than what had been hoped for — ~250 instead of 400. They were presented in four cities at a reasonable price, and review comments were favorable. Berger and Jim Malley, chair of the Technical Seminar Committee, are investigating topics for a fall 2011 series. Topics under consideration are (1) nonstructural seismic design, (2) Concrete Coalition, (3) soft-story buildings, (4) adaptive re-use of buildings, and (5) sustainable seismic design. The Board indicated strong support for the topic of nonstructural seismic design.

EERI Activities in Haiti: Greene reported that the subcommittee on creating an EERI chapter in Haiti has been working with the College
National de Ingeniers et Architectes (CNIA), headed by Gerard Jean-Baptiste, a professor of civil engineering at Quisqueya University. Assistance to the CNIA on EERI’s part would likely take the form of sending books and other publications, as well as bringing in guest lecturers and meeting with CNIA members to discuss issues in seismic risk reduction.

**World Bank discussion:** Berger reported that he and Greene are engaged in discussions with staff of the Global Facility for Disaster Reduction and Recovery at the World Bank on project opportunities for EERI. They plan to make a presentation on EERI and ideas for collaboration at a brown-bag lunch program at the World Bank in January.

**SPI Committee Grant Recommendations:** The Board reviewed summaries of the two top proposals recommended for funding by the Special Projects & Initiatives (SPI) Committee, selected from a total of 13 proposals received. Tobin recused himself from the Board’s deliberations on the two proposals, as he is an advisor for the group that submitted one of them, GeoHazards International (GHI). The first proposal, titled “Seismic Upgrade Triggers” submitted by David Bonowitz, Dave McCormick, and Peter Somers, will attempt to develop consensus within the earthquake community on the question of when a building renovation should trigger a seismic upgrade. The requested sum is $30,000.

The second proposal, submitted by GHI, would establish an International Framed Infill Network (IFIN) for the purpose of improving the safety of concrete-framed buildings with infill walls. They would hold an initial coordination meeting of members of the Framed Infill Network, the Confined Masonry Network (CMN), and other organizations during the 2011 EERI Annual Meeting. The Board approved an SPI grant to fund the first proposal on Seismic Upgrade Triggers. The Board approved an SPI grant of $6,000 to fund the initial coordination meeting to explore creation of an International Framed Infill Network, after which the proposal could be refined.

**Committee Functions, Vacancies and Appointments:** The Board agreed to change the name of the Endowment Committee to the Endowment Development Committee, and to create a new Resource Development Committee to identify funding opportunities. Naeim said the EERI president should chair the Endowment Development Committee.

The Honors Committee is in the category of committees requiring appointments. Jon Bray, Svetlana Brzev, and Sarah Nathe are scheduled to rotate off the committee. Nathe agreed to remain on the committee for another year to break the cycle of needing three replacements at one time, and also agreed to be the next chair. Committee members on the Shah Family Innovation Prize Committee are appointed for five-year terms, and each is the chair in their fifth year. Pane Stojanovksi will be the chair next year. The Board approved a motion for Ellen Rathje to replace Nick Sitar, who is rotating off the committee.

**2012 Nominating Committee Appointments:** At Naeim’s request, Moehle agreed to chair of the 2012 Nominating Committee. At Moehle’s request, Anderson agreed to serve on the committee. Moehle will develop a list of names of potential committee members for review by the next Executive Committee meeting.

**NEHRP Professional Fellowship:** Tobin will ask the Housner Bequest Committee to consider integrating the NEHRP Professional Fellowship into their discussion of the Housner fellow concept, in order to leverage FEMA funds with the Housner endowment.

**Special Issues of Spectra:** Naeim said there will be five issues of Spectra in 2011 and five in 2012, as the Haiti special issue will be published in 2011, and the Chile issue in 2012. Funds must be raised. Rathje expressed a preference for printing and mailing the issues to all members, as that would be in the long-term interests of EERI. Naeim said fundraising efforts would attempt to raise enough for printing and mailing.

**Non-US Regional Chapters:** Berger received a request from someone in Canada about establishing a regional chapter. The Board had no objection to the idea of a non-US regional chapter.

**Strategic Planning in 2011:** Tobin said that because the previous EERI Strategic Plan expired in 2010, the Board should review, discuss, and update it. Tobin assigned the Board homework, to read the 2006-2010 EERI Strategic Plan posted at http://www.eeri.org/site/about-us/documents/5-year-plan before the February Board meeting.

**Adjourn:** As this was Moehle’s last Board meeting, Naeim thanked him for his distinguished service, and also expressed appreciation for Nakashima’s service. This was Naeim’s last Board meeting as president. He said it has been the most distinct honor of his life. Moehle said that it has been an honor and a pleasure to serve on the Board, and that EERI is doing good work and could do more. Naeim adjourned the meeting at 4:38 p.m.

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**Have You Renewed?**

Has your membership lapsed? This issue may be the last Newsletter you receive if you have NOT renewed your EERI membership for 2011! All address changes and renewals must be received in the EERI office by March 31 to ensure that they will be included in the EERI Membership Roster 2011.

You may renew with a VISA or MasterCard on EERI’s web site (www.eeri.org), by fax (510/451-5411), or e-mail (eeri@eeri.org).
Job Opportunity

UK Post Doc GEM Researcher

University of Bath (UB) in the United Kingdom seeks a Research Officer to work for two years on the Global Vulnerability Estimation Methods Project funded by the Global Earthquake Model (GEM) Foundation. Required: a Ph.D. in civil or earthquake engineering and research experience working in the field of analytical seismic vulnerability of building structures. For more information, visit http://www.bath.ac.uk/jobs/Vacancy.aspx?ref=BB377.

Announcements

PERI Online Symposium on Recovery

The Public Entity Risk Institute (PERI) will present a free online symposium, Community Recovery from Disaster, March 21-25, 2011, to provide information about the latest research and lessons learned about the economic, social, physical, institutional, and interdisciplinary dimensions of disaster recovery. Each day, registered participants will be able to log in and read the papers and post comments and questions. To register, visit https://www.riskinstitute.org/peri/content/view/1079/5/. The symposium will be moderated by EERI member Laurie Johnson, principal of Laurie Johnson Consulting and a senior science advisor to Lexington and Chartis insurance companies. She was a lead author of the recovery plan for the City of New Orleans following Hurricane Katrina.

FEMA Webinar on School Safety

The Department of Homeland Security and the Federal Emergency Management Agency are hosting a one-hour webinar for stakeholders interested in learning how to take actions to ensure school safety and continued operations. It is scheduled for Thursday, March 17, 2011, at 3:00 pm EST. The webinar information is based on Incremental Seismic Rehabilitation of School Buildings (K-12): Providing Protection to People and Buildings, FEMA 395 (http://www.fema.gov/library/viewRecord.do?id=1980). Registration is free by visiting http://www.atcouncil.org/events.html. Access information will be shared upon successful registration. You will learn how to analyze your earthquake risks, how to develop an action plan to manage risks, how to initiate a plan for school buildings not constructed to meet current building codes, how to secure nonstructural elements, how to apply incremental seismic rehabilitation and why it is an affordable alternative.

Extreme Events Prediction School

The Abdus Salam International Centre for Theoretical Physics (ICTP), in collaboration with the Department of Geosciences of the University of Trieste, will host an Advanced School on Understanding Prediction of Earthquakes and other Extreme Events in Complex Systems in Trieste, Italy, September 26-October 8, 2011. For an application to participate, visit http://agenda.ictp.it/smr.php?2265 (deadline May 28). Scientists and students from all countries that are members of the UN, UNESCO, or IAEA can attend the school, which will be conducted in English. Although the main purpose of the ICTP is to help researchers from developing countries, a limited number of students and post-doctoral scientists from developed countries are also welcome to attend. A degree in physics, mathematics, geophysics (theoretical or computational), computer science, or a similar discipline is required.

Calls for Abstracts

Turkish Earthquake Engineering and Seismology Conference will be held October 11-14, 2011, at the Middle East Technical University Congress Center in Ankara, hosted by the Turkish Association for Earthquake Engineering. Abstracts not exceeding 300 words are invited; they should be submitted to tdmd@tdmd.org.tr by April 15, 2011. For more information, visit www.tdmd.org.tr.

The Council on Tall Buildings and Urban Habitat World Conference (CTBUH 2011), with the theme “Why Tall? Green, Safety & Humanity,” will be held in Seoul, South Korea, October 10-12, hosted by the Korean Chapter of CTBUH. Abstracts written in English are invited and must be received by April 15. For more information, visit http://www.ctbuh2011.org/ctbuh/ctbuh.asp.

Conferences

The 9th Pacific Conference on Earthquake Engineering and the Annual Technical Conference of the New Zealand Society for Earthquake Engineering (NZSEE) will be held April 14-16, 2011, in Auckland, New Zealand, with the theme “Building an Earthquake-Resilient Society.” The conference will be preceded by the Southwest Pacific Earthquake Resilience Workshop (April 11-13). For more information and to register, visit http://pcee.nzsee.org.nz.

SuperPile 2011 will be held May 12-13 in Charleston, South Carolina, hosted by the Deep Foundations Institute. As 2011 is the 125th anniversary of the 1886 Charleston earthquake, presentations include design for seismic considerations, seismic issues relating to deep foundations, and geotechnical aspects of the 1886 event. PDH certificates will be offered. For more information, visit http://www.dfi.org/conferencedetail.asp?id=177.
**Publications**

*Preliminary 2010 New Zealand Earthquake Report* on the M 7.2 September 4, 2010, event is available from the ASCE-Technical Council on Lifelines Earthquake Engineering at no charge from the ASCE web site. Primary authors are EERI members John Eidinger, Alex Tang and Tom O’Rourke, supported by dozens of New Zealand lifeline utilities and engineering professionals. To download the 50-page report, visit [http://www.asce.org/Content.aspx?id=2147488653](http://www.asce.org/Content.aspx?id=2147488653), and scroll down to click on the title.

**JSE Special Issue:** A special issue of the ASCE *Journal of Structural Engineering* on the “Earthquake Ground Motion Selection and Modification for Nonlinear Dynamic Analysis of Structures,” guest edited by EERI members Erol Kalkan and Nicolas Luco, is now available online at [http://scitation.aip.org/sto](http://scitation.aip.org/sto). The issue’s 17 technical papers evaluate current procedures and present new techniques for ground-motion selection and modification, and point to new investigation avenues for future studies.

**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

**MARCH**

17. FEMA Webinar on School Safety. See page 10. (3/11)

21-25. PERI Online Symposium on Recovery. See page 10. (3/11)


30-April 1. DHS Science Conf. on Transportation, Washington, D.C. [www.orau.gov/dhssummit](http://www.orau.gov/dhssummit) (12/10, 1/11)

**APRIL**


14-16. 9PCEE, Auckland, NZ. See page 10. (3/11)


**MAY**


16-18. 6th Int’l Conf. on Seismology & EQ Eng. (SEE6), Tehran, Iran. [www.see6.ir](http://www.see6.ir) (8/10)


**JUNE**

9-11. NEES & MCEER Joint Annual Meeting, Buffalo, NY. Info: thalia.anagnos@sjsu.edu or goralski@buffalo.edu (2/11)


**JULY**


**AUGUST**

23-26. 4th Int’l IASPEI/IAEE Symposium on the Effects of Surface Geology on Seismic Motion (ESG4), UC Santa Barbara. [esg4.eri.ucsb.edu](http://esg4.eri.ucsb.edu) (2/11)

**SEPTEMBER**

24-28. 15th World Conf. on EQ Eng. (15WCEE), Lisbon, Portugal. [www.15wcee.org](http://www.15wcee.org) (8/10)

**OCTOBER**

Learning from Earthquakes

Christchurch EQ Reconnaissance Plans

As EERI’s Learning from Earthquakes (LFE) program is in transition to a new model, EERI has submitted a RAPID proposal to the National Science Foundation to support travel to Christchurch, New Zealand, for a small number of researchers to address several key research areas in the aftermath of the damaging earthquake of February 22, 2011. Mary Comerio of UC Berkeley and Ken Elwood of the University of British Columbia will be co-team leaders. Several partnering organizations, including PEER and MCEER and several private firms, are supporting travel for team members who will coordinate with the EERI team. As search and rescue is still underway, and the entire central business district is cordoned off, the team will not travel there until after March 9, although an advance team will go sooner to start making arrangements for the larger team.

If you are planning travel to Christchurch and would like to coordinate with the EERI team, please e-mail Special Projects Manager Marjorie Greene at mgreene@eeri.org outlining your plans.

Updates will be posted on the clearinghouse website at http://www.eqclearinghouse.org/2011-02-22-christchurch/.