

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>

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News of the Institute

Andrew Charleson New WHE Editor-in-Chief

EERI is pleased to announce that new EERI member Andrew Charleson, a structural engineer and an associate professor in the School of Architecture at Victoria University of Wellington, New Zealand, has agreed to become the next editor-in-chief of the World Housing Encyclopedia (WHE), effective July 15. Andrew brings to this position his extensive structural engineering experience in New Zealand and overseas. He is experienced in all aspects of structural design with an emphasis on earthquake engineering, and his research interests include improving the seismic resistance of adobe and stone masonry buildings and exploring how ideas and technologies related to earthquakes can inform and generate architectural design concepts. He is the director and editor of the Earthquake Hazard Centre (EHC), a nonprofit information network and dissemination center for earthquake-resistant construction in developing countries. The EHC is supported by Robinson Seismic Ltd. and the New Zealand Ministry of Civil Defence and Emergency Management.



Andrew Charleson

EERI is excited about the possibilities of synergy between Andrew's work through the EHC and the WHE. Andrew's latest book, *Seismic Design for Architects: Outwitting the Quake*, has just been published and is available at amazon.com. Andrew's leadership and vision will help guide the WHE during its next several years of activity.

Andrew joins EERI in gratefully acknowledging the important contributions of the current editor-in-chief, Professor C.V.R. Murty of the Indian Institute of Technology, Kanpur, India, who has recently taken a new and challenging assignment to help create a new IIT in Hyderabad.

For further information on the WHE and its current activities, visit www.world-housing.net, or contact Andrew at andrew.charleson@vuw.ac.nz or WHE managing editor Marjorie Greene at mgreene@eeri.org.

Ideas Needed for Innovative Projects

The EERI Special Projects and Initiatives (SPI) Committee is interested in your ideas. What are the most pressing problems impeding effective earthquake risk reduction? In your view, what project would make a significant contribution to reducing earthquake risk? What projects would benefit EERI members?

The SPI Committee's charge is to select innovative projects each year for support from EERI's Endowment Fund. The committee can support up to \$50,000 worth of projects each year and is currently soliciting ideas. This year it will consider funding one or two proposals between \$25-\$50K. The committee is most interested in projects that are unlikely to be funded by any one of the more traditional earthquake-related funding agencies. The committee will work with the person proposing the project to develop the most promising ideas into projects for approval by the EERI Board of Directors. If funded, the proposer will become the project director, unless the proposer recommends someone else.

(continued on page 4)

News of the Profession

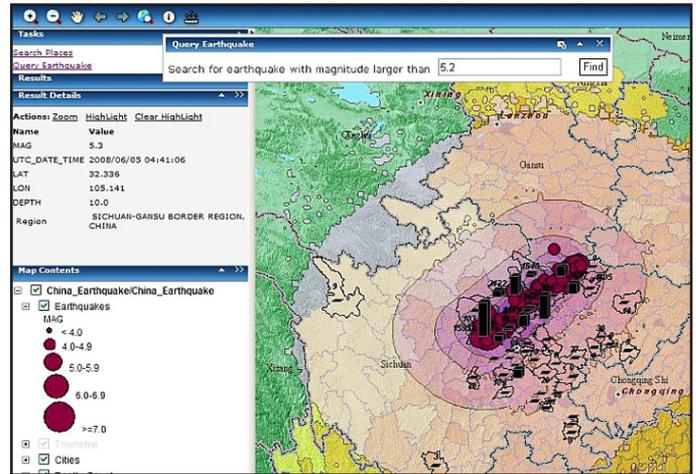
China EQ Geospatial Research Portal

The China Earthquake Geospatial Research Portal (CEGRP) has been established at <http://gist.fas.harvard.edu/CEGRP/> in response to the Sichuan earthquake of May 12, 2008, with support from the Fairbank Center for Chinese Studies and the Harvard Center for Geographic Analysis. The portal will facilitate the use of geographic information systems (GIS) to integrate and analyze information about the earthquake and its aftereffects as quickly as possible. CEGRP posts frequent updates that link to free satellite imagery, GIS layers, tabular datasets, disaster recovery policies, and related reports. In addition, registered users of the site can upload their own analyses or completed GIS datasets for others to access. By establishing a baseline of data about the impacts of the earthquake on the local population, CEGRP hopes to speed the assistance to the hardest hit localities, to sup-

port longer-term damage assessment and rehabilitation, and to provide a permanent archive for future research.

Examples of preliminary datasets that can be downloaded at no charge include GIS layers showing the epicenters of the earthquake and aftershocks, the impact zones of the most severe seismic activity, the county boundaries that fall within the impact zones, and estimated loss of life calculated by county. All these GIS data layers can be browsed online using a MapServer (http://cga2.cga.harvard.edu:8399/China_Earthquake/) developed and hosted by the Center for Geographic Analysis.

Soon-to-be-released datasets include Chinese survey basemaps of the earthquake zone and township



Screenshot of CGA Earthquake Data MapServer.

boundaries (containing important demographic attributes from the 2000 census) for six of the hardest-hit counties in Sichuan.

The Harvard Center for Geographic Analysis invites researchers in fields such as urban planning, public health, environmental science and disaster relief, to contact the center for assistance in developing projects on the China earthquake that involve geospatial analysis.

News of the Institute

Heritage Prize

Through the generous sponsorship of Wiss Janney Elstner Associates, EERI's Heritage and Existing Structures Committee (HESCO) is again offering a prize to highlight the contributions of individuals and organizations for their creativity, innovation, and leadership in the seismic protection of historical monuments, heritage sites, and cultural artifacts. A \$1,000 prize will be presented to recognize outstanding contributions in the development or implementation of innovative solutions or policies to preserve heritage structures or related artifacts.

The prize was established to recognize the exceptional contributor and to stimulate further creativity and

leadership in the field of earthquake risk management for the protection of irreplaceable resources. The award will be presented at the EERI Annual Meeting, February 11-14, 2009, in Salt Lake City. Nomination packages (including self-nominations) must be received by December 1. Applications including a 1- to 2-page letter of recommendation and a 1- to 2-page resumé should be sent to Erol Kalkan at **Erol.Kalkan@conservation.ca.gov**.

EERI Member Discount for Heritage Sites Publication

A special issue of the journal *Engineering Structures* on the "Seismic Reliability, Analysis, and Protection

of Historic Buildings and Heritage Sites," guest edited by EERI members Debra F. Laefer and Erol Kalkan, is now available online at https://enduser.elsevier.com/aseismic_heritage_protection.

When downloading the entire issue, EERI members can receive a 25% discount off the regular price of \$89.95 by inputting their EERI ID number. This stand-alone volume contains a broad blend of research articles from experimental and analytical studies covering the assessment of seismic vulnerabilities, various means of analysis and experimental techniques, and new retrofitting solutions. This issue has been coordinated with the assistance and dedication of the members of EERI's Heritage and Existing Structures Committee.

Subscribing Member News

Forell/Elsesser Transitions

After ten years, David Friedman has stepped away from his roles as president and CEO of Forell/Elsesser Engineers, an EERI Subscribing Member. He will continue as chair of the board of directors and senior principal, active with design projects and many professional and nonprofit activities. Simin Naaseh has succeeded Friedman as CEO, a transition that was carefully planned over a five-year period to ensure the continuity of the firm's strong leadership. Naaseh is a fellow and former president of the Structural Engineers Association of Northern California. She was recently appointed to the Hospital Building Safety Board of California's Office of Statewide Health Planning and Development. Paul Rodler was appointed Forell/Elsesser's COO after having been on the firm's executive committee for several years. For more information, visit www.forell.com.



Paul Rodler, Simin Naaseh, and David Friedman of Forell/Elsesser Engineers.

Computers & Structures Awarded ISO-9001

EERI Subscribing Member Computers & Structures, Inc. (CSI) has been awarded ISO-9001 certification. Created by the International Organization for Standardization (www.iso.org), the ISO 9000 series of documents sets international requirements for quality management systems. Now adopted by over 80 countries, the ISO-9001 mark has become the trusted symbol of quality for businesses in every sector. Based in Berkeley, California, CSI designs, develops, and distributes software tools used on buildings, bridges, dams, power plants, industrial structures, stadiums, and performing arts facilities throughout the world. Implementation of the ISO-9001 system will enhance customer satisfaction, ensure consistency, and improve internal processes. CSI president Ashraf Habibullah noted that the certification validates the confidence that thousands of engineers worldwide have had in CSI software products. "We are proud to have achieved this formal recognition."

FM Global Research Openings

The research division of FM Global, an EERI Subscribing Member, seeks research scientists who are resourceful knowledge-developers and problem-solvers with strong technical and communication skills. A Ph.D. degree is required. Successful candidates will support the firm's engineering, risk management, and loss prevention needs in a dynamic, diverse, rewarding, and challenging work environment. They will plan and conduct both basic and applied research related to one or more of the following fields: structural engineering, earthquake engineering, wind engineering, or the hazards of floods, explosions, and terrorism. For more information, visit www.fmglobal.com/careers. Resumes can be e-mailed to research.jobs@fmglobal.com. Reference "Research Scientists – Natural Hazards" in the subject line.

ADPC Selects Kinematics

The Asian Disaster Preparedness Center (ADPC) in Thailand has selected EERI Subscribing Member Kinematics to provide the state-of-the-art real-time Aspen Environmental Monitoring Solution (EMS) to serve as the Indian Ocean and Southeast Asia Multi-Hazard Early Warning System. Aspen provides a comprehensive set of seismic data and processed information for earthquake mitigation and nuclear treaty monitoring and delivers a comprehensive set of monitoring data, processed information, and command and control capabilities to broadband wireless measurement nodes from single or multiple data centers. Aspen's open-system architecture allows users to expand and adapt their system as requirements change and new technologies emerge (http://www.kinematics.com/product_Content.asp?newsid=118). The Kinematics solution will be delivered during the third quarter of 2008.

ADPC (<http://www.adpc.net>) facilitates regional cooperation and serves as a regional tsunami watch provider within the framework and standards of the UNESCO Intergovernmental Oceanographic Commission for an Indian Ocean Tsunami Warning System Program, including establishment of a regional network of real-time broadband seismic stations, real-time multi-purpose sea level stations, a regional data center, a data exchange system, and programs related to the prevention and mitigation of regional tsunamis. ADPC also provides professional and technical training and carries out active programs of research in all aspects of the end-to-end early warning system. The ADPC Data Center will provide readily accessible high-quality data to academic communities and other scientific organizations for both basic and applied research. Real-time data will be exchanged with regional networks and with other global networks.

News of the Membership

Lori Dengler Scholar of the Year at HSU

EERI member Lori Dengler, professor and chair of Humboldt State University's Department of Geology, director of the Humboldt Earthquake Education Center, and an international authority on tsunami and earthquake hazards and mitigation, has been named HSU's 2008 Scholar of the Year.

HSU sits above the Cascadia subduction zone, which the faculty uses as a natural laboratory for student field research and exercises. Troy Nicolini of the National Weather Service indicated that Lori's efforts in compiling a geologic and historic record of northern California tsunamis resulted in a "scholarly bible for all the tsunami hazard mitigation efforts in the region...Her tsunami inundation maps, in particular, have become the default reference..."

Lori has been a member of several international post-tsunami survey teams. She is the featured tsunami expert on NOVA's "Wave That Shook the World" web site and a leader of Redwood Coast initiatives to improve earthquake and tsunami preparedness. Lori was the first recipient of NOAA's Richard Hagemeyer Tsunami Mitigation Award for her leadership and role in the Redwood Coast Tsunami Work Group.

A member of the team that developed the U.S. National Tsunami Hazard Mitigation Program in 1995, Lori served as California's scientific representative on the program's steering committee for seven years. She authored the program's Strategic Implementation Plan for Mitigation Projects in 1998.

The author or co-author of more than 50 journal articles and technical papers, Lori has also written a number of publications for the general public, including three editions of the North Coast earthquake and



Lori Dengler

tsunami preparedness magazine, *Living on Shaky Ground*, with the fourth edition coming later this year.

Lori earned her bachelor's, master's, and doctorate degrees at the University of California, Berkeley, and joined HSU in 1979. She will deliver the 2008 Scholar of the Year lecture on September 29.

Innovative Projects

(continued from page 1)

If you would like to submit an idea, please prepare a one-page "pre-proposal" using the following format: (1) title, (2) name of person submitting idea and contact information, (3) name of recommended project director and contact information if different from person submitting idea, (4) objective, (5) product(s), and (6) audience. Following these, the content should cover the approach, schedule, budget, suggested person to chair the project committee, suggested oversight committee members (each SPI project has an oversight committee to provide direction and, in some cases, to produce the products), and possible funding sources to leverage Endowment funds.

Send the one-page pre-proposal to the EERI office or e-mail it to

mgreene@eeri.org by **October 1**.

If you have questions, feel free to contact SPI Committee members (Ian Buckle, chair; Elizabeth Hausler, Charles Huyck, Marshall Lew, Charles Scawthorn, Kimberly Shoaf, Sharon Wood, and Susan Tubbesing) or the EERI staff.

Remember — you have the opportunity to make the Endowment Fund work by submitting your ideas for projects to the SPI Committee!

News of the Institute

Interdisciplinary Research Paper Online

A new EERI white paper *Earthquake Risk Reduction: Addressing the Unmet Challenges — The Need for an Interdisciplinary Research Approach* is now available as a free download at <http://www.eeri.org/> by clicking

on the title under "What's New" in the Publications section. The paper addresses the importance of identifying new research opportunities and the role that interdisciplinary research plays to improve our understanding of complex systems vulnerabilities and potential solutions.

The paper's 13 recommendations are targeted at funding agencies, policy makers at all levels of government, universities and academic researchers, and professional societies in the risk reduction field. The challenge for the earthquake risk reduction community is to provide opportunities that will give continuity to the collaborative research that has produced integrated knowledge in the last few decades.





- PLEASE POST -

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.

Guidelines for preparing the manuscript can be obtained from the EERI web site (www.eeri.org) 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 3, 2008, to Juliane Lane at the EERI office at juliane@eeri.org.

Up to four student authors will be invited to EERI's Annual Meeting, February 11-14, 2009, in Salt Lake City, Utah, 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 3, 2008 ****

Calls for Abstracts

TCLEE Conference

Abstract submission is open for TCLEE 2009 — an international conference on “Lifeline Earthquake Engineering in a Multihazard Environment” sponsored by ASCE’s Technical Council on Lifeline Earthquake Engineering. The 7th in a quadrennial series, it will take place June 28-July 1, 2009, in Oakland, California. It will feature technical papers pertinent to current practices, recent innovations, and future directions associated with performance requirements, design, analysis, and planning of lifelines subjected to natural and man-made hazards. The conference will include sessions that focus on (1) differences and similarities of technologies used to engineer earthquake-resistant lifelines vs. other natural and man-made hazards, and (2) how engineering and technologies for each hazard might benefit from exposure to technologies developed for other hazards. For more information and to submit an abstract, visit www.asce.org/tclee2009.

Eastern SSA Meeting

The deadline for abstract submission is September 4 for the 80th Annual Meeting of the Eastern Section of the Seismological Society of America, to be held October 5-7, 2008, in Kingston, Ontario. Topic areas are seismology, earthquake engineering, emergency response and preparedness, earthquake hazard mitigation, and earthquake education. Papers relevant to eastern North America are especially encouraged. Three special sessions will be organized on nuclear industry seismic hazards, induced and mining seismicity, and post-earthquake studies on the April 2008 southern Illinois earthquake. Limited funds are available for student travel. For more information, visit <http://geol.queensu.ca/ESSA2008>.

Announcements

CSMIP08 Seminar on Strong-Motion Data

The California Geological Survey’s Strong Motion Instrumentation Program (CSMIP) in the state’s Department of Conservation will present a one-day seminar on “Utilization of Strong-Motion Data.” The goals of the seminar are to (1) increase the utilization of strong-motion data in improving post-earthquake response, seismic code provisions and design practices; and (2) transfer recent research findings on strong-motion data to practicing seismic design professionals and earth scientists.

This year the seminar will include soil-structure foundation modeling techniques; the Sichuan, China, earthquake; and near-fault instrumentation. The seminar will be held on Thursday, September 18, 2008, at the University of Southern California Davidson Conference Center in Los Angeles. For more information about speakers and topics, visit <http://www.consrv.ca.gov/cgs/smp/Pages/seminar.aspx>.

Abdel-Ghaffar Symposium

A complimentary day-long Special International Symposium on “Advances in Structural Dynamics and Earthquake Engineering” will be held Friday, September 19, 2008, in honor of the late USC Professor Ahmed M. Abdel-Ghaffar (see page 2 of the June *EERI Newsletter*). The symposium will be hosted by the Viterbi School of Engineering at Ronald Tutor Hall at the University of Southern California in Los Angeles. Reservations are required. Contact Jennifer Cantwell (jenc@usc.edu) or visit http://www.usc.edu/dept/civil_eng/dept/news/abdel-ghaffar-symposium/ to confirm attendance and for more information.

Anchorage Request for Proposal

The Municipality of Anchorage’s Purchasing Department has issued a Request for Proposal for a Downtown Anchorage Seismic Risk Assessment and Land Use Regulations to Mitigate Seismic Risk. The RFP seeks an organization or firm able to (1) conduct a seismic risk assessment for the downtown area (involving some computer modeling focused on ground failure impacts but no fieldwork required — extensive seismic fieldwork and studies already exist); and (2) develop land use regulations to help mitigate the risks associated with a major earthquake in the downtown area. Interested persons should contact the municipality’s Purchasing Office at wwwpur@muni.org or call 907/343-4590 to obtain a complete RFP package. August 19 is the deadline for submitting proposals.

Publication

EM in Higher Ed

The Public Entity Risk Institute (PERI) recently released a new book, *Emergency Management in Higher Education: Current Practices and Conversations*. It features 20 papers presented during the 2007 Annual Emergency Management (EM) in Higher Education Conference, sponsored by FEMA, with a special focus on disaster reduction, mitigation, prevention, and preparedness.

The conference supported the development of EM programs at colleges and universities. The book will be a useful tool for college and university administrators in their efforts to enhance EM programs, and a resource for professors and students in their study of the EM field. To view the table of contents or to purchase the book for \$40 (with an additional discount available to students), visit www.riskinstitute.org/bookstore.

CALENDAR

Items that have appeared previously are severely abbreviated. The issue containing the first appearance, or the most informative, is indicated at the entry's end. Items listed for the first time are shown in bold.

2008

AUGUST

11-16. 6th Int'l Conf. on Case Histories in Geotechnical Engineering (6ICCHGE), Washington, D.C. Info: <http://www.6icchge2008.org> (4/06, 9/06, 2/07, 6/07, 10/07, 4/08)

12-14. New Madrid Seismic Zone Conf.: Preparing for a Significant EQ, Rolla, MO. Info: [conference.mst.edu/newmadridconf/index.html](http://www.conference.mst.edu/newmadridconf/index.html) (5/08)

25-29. Int'l Disaster and Risk Conf. (IDRC), Davos, Switzerland. Info: www.idrc.info (1/08)

SEPTEMBER

16-17. 5th European Workshop on the Seismic Behavior of Irregular and Complex Structures (5EWICS), Catania, Italy. Info: <http://www.5ewics.dica.unict.it/> (12/07)

17-19. Int'l Ass'n for Bridge & Structural Eng. (IABSE) Conf., Chicago. Info: <http://www.wcdm.org/> (10/07)

18. Symposium on Seismic Sources (Hazards) in the Central U.S.: Is New Madrid All There Is? New Orleans, LA. Date tentative. Info: [newmadrid.eeri.org/](http://www.newmadrid.eeri.org/) (5/08)

18. CSMIP08 Seminar on Utilization of Strong-Motion Data. University of Southern California. See page 6. (08/08)

19. Advances in Structural Dynamics and EQ Eng., Symposium in Honor of Ahmed Abdel-Ghaffar, University of Southern California. See page 6. (08/08)

22-24. 9th Workshop on 3-D Modeling of Seis. Wave Generation, Propagation, & Inversion, Trieste, Italy. agenda.ictp.it/smr.php?1965 (12/07)

23-27. SEAOC Convention, Kohala Coast, Big Island, Hawaii. <http://www.seaoc.org/events.html> (2/08)

OCTOBER

5-7. Eastern SSA Meeting, Kingston, Ontario. See page 6. (08/08)

12-17. 14th World Conf. on EQ Eng., Beijing, China. Info: www.14wcee.org (12/05, 6/07, 7/07, 9/07, 4/08)

22-24. 3rd Conf. on EQ Hazards in the Eastern SF Bay, Cal. State Univ. East Bay. Info: www.consrv.ca.gov/cgs/news/eastbayconference.htm. (1/08, 6/08)

14-17. Deep Foundations Institute Annual Conf., New York City. www.deepfoundations08.org (12/07)

NOVEMBER

12-14 International EQ Conf., Los Angeles, CA. Info: <http://www.iec.lacity.org/index.html>. (7/08)

21-23. Australian EQ Eng. Conf. (AEES 2008), Ballarat, Victoria, Australia. Info: <http://www.aees.org.au/> (6/08)

DECEMBER

15-19. The American Geophysical Union 2008 Fall Meeting, San Francisco, CA. Info: <http://www.agu.org/meetings/fm08/>. (6/08)

2009

FEBRUARY

10-13. Map World Forum, Hyderabad, India. Info: <http://www.mapworldforum.org/2009/index.htm>. (7/08)

11-14. EERI Annual Meeting, Salt Lake City. Info: www.eeri.org (3/08, 6/08)

APRIL

8-10. Annual Meeting of the Seismological Society of America, Monterey, CA. Info: <http://www.seismosoc.org/meetings/meetings.html> (7/08)

JUNE

15-17. Int'l Conf. on Performance-Based Design in EQ Geotech Eng., Tokyo, Japan. Info: <http://www.comp.tmu.ac.jp/IS-Tokyo/>. (6/08)

22-24. EQ & Tsunami Conf., Istanbul, Turkey. Info: <http://www.imo.org.tr/eqt2009/> (5/08)

28-July 1. TCLEE Conference: Lifeline Earthquake Engineering in a Multihazard Environment, Oakland, CA. See page 6. (7/08, 8/08)

SEPTEMBER

13-17. 10th Int'l Conf. on Structural Safety & Reliability (ICOSSAR2009), Osaka, Japan. Info: www.sc.kutc.kansai-u.ac.jp/icossar2009 (2/08)

2010

MAY

23-29. 5th Int'l Conf. on Recent Advances in Geotech. EQ Eng. & Soil Dynamics & Symposium in Honor of I. M. Idriss, San Diego, CA. Info: prakash@mst.edu (4/08)

JULY

25-29. 9th U.S. Nat'l & 10th Canadian Conf. on EQ Eng.: Reaching Beyond Borders, Westin Harbour Castle Hotel, Toronto, Canada. Info: 2010eqconf.org (2/08, 7/08)

Publication

Risk Analysis VI

WIT Press recently published Volume 39 in its series WIT Transactions on Information and Communication Technologies entitled *Risk Analysis VI: Simulation and Hazard Mitigation*, consisting of the proceedings of Risk Analysis 2008 — the 6th International Conference on Computer Simulation in Risk Analysis and Hazard Mitigation. The proceedings are concerned with the advances in computational methods that enable more effective risk management through more precise modeling of systems and simulation of the effects of hazards.

For the table of contents, visit <http://www.witpressusa.com/acatalog/9781845641047.html>. Abstracts (free) and full text (\$30 per paper) of individual papers are available through the electronic edition of the Transactions at <http://library.witpress.com/>. The price of the book is US\$380.00/£190.00/€285.00.

NEES News

NEES TIPS Online Survey

EERI member Lucy Arendt at the University of Wisconsin needs your help! She is one of several researchers involved in a collaborative project known as NEES TIPS, or Tools for Isolation and Protective Systems. The project is part of NSF's George Brown Jr. Network for Earthquake Engineering Simulation program. Its goal is to create and promote tools that will facilitate the adoption of seismic isolation and protective systems.

The U.S. has fewer than 100 seismically isolated buildings compared to more than 3,000 in Japan. In order to understand why this technology has not been widely adopted in the United States, Lucy has developed an online survey, with the goals of determining (1) the extent to which different stakeholders (e.g., engineers, architects, building owners, academics) have different opinions about the challenges associated with seismic isolation, and (2) the means to address those challenges.

Lucy invites EERI members to complete the online survey at <http://tinyurl.com/NEES-TIPS>, which

should take no more than 15 minutes. The survey is not intended solely for those who have experience with seismic isolation technology or for those who have positive opinions about it. In fact, the survey's results will be most useful if they accurately reflect the full range of knowledge and opinions.

All responses are confidential. If you have any questions or would prefer a paper copy, contact ArendtL@uwgb.edu. The survey should be completed by mid-August. Aggregate findings will be made available starting in the fourth quarter. For more information about the NEES TIPS project, visit <http://www.neng.usu.edu/cee/faculty/kryan/NEESTIPS/>.

NEES Program Solicitation

The program solicitation for the George E. Brown, Jr. Network for Earthquake Engineering Simulation (NEES) Operations for FY 2010–2014 is now on the National Science Foundation web site: http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf08574.

Due dates for letters of intent, preliminary proposals, and invited full proposals are September 3, 2008, October 1, 2008, and February 13, 2009, respectively. The anticipated funding amount is a total of \$105 million for up to five years. The

awardee will provide governance, a network-wide management headquarters, and subawards to the equipment sites and cyberinfrastructure, education, and outreach. An NSF town hall meeting on solicitation will take place on August 8 for potential proposers to acquire information relevant to the development of a proposal.



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RESEARCH INSTITUTE**
499 14th Street, Suite 320
Oakland, CA 94612-1934
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