



EARTHQUAKE ENGINEERING RESEARCH INSTITUTE NEWSLETTER

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News of the Institute

EERI Board Statement on Convictions in Italy

On October 22nd a judge in L'Aquila, Italy, found seven scientists, engineers, and public officials guilty of manslaughter and sentenced them to six-year prison terms, ordered them to pay \$10.1 million to victims, and banned them from public service for life. The seven defendants were members of a government-appointed Commission created to advise the Department of Civil Protection on hazard forecasting and risk prevention. They were charged with manslaughter due to negligence and causing bodily harm as a result of information given to the media after a meeting of the Commission held one week before the M 6.5 earthquake that struck L'Aquila on April 6, 2009. The defendants will appeal.

Five of the seven defendants are long-time and active members of the earth-

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2013 Annual Meeting Program Details Nearing Completion

The 2013 EERI Annual Meeting Organizing Committee, co-chaired by Cale Ash of Degenkolb Engineers and Scott Miles of Western Washington University, is finalizing an exciting program that will keep you informed of the latest developments in earthquake risk reduction. With the theme of "Building Resilient Communities through Policy and Mitigation," the meeting will be held February 12-15 at the Grand Hyatt in Seattle, Washington. Program highlights include earthquakes in Cascadia, school seismic safety, surprise

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An Annual Meeting field trip destination: The Structural Research Laboratory in the Department of Civil & Environmental Engineering at the University of Washington.

Increased Advocacy for EERI

In alignment with the mission statement, EERI is intensifying its advocacy for "comprehensive and realistic measures for reducing the harmful effects of earthquakes." The Public Policy Committee, chaired by Arrietta Chakos, is now the Public Policy AND Advocacy Committee. This summer EERI contracted with Lobbyit, a Washington D.C. firm specializing in governmental representation for associations, non-profits, municipalities and educational institutions. Lobbyit will be EERI's eyes and ears in the capital. In August and September they had numerous meetings regarding pending legislation on reauthorization of the National Earthquake Hazard Reduction Program (NEHRP), currently EERI's top legislative issue. Meetings were held with

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News of the Membership

EERI Members in New UCB CEE Academy

The Civil and Environmental Engineering (CEE) Department of the University of California, Berkeley, has established an Academy of Distinguished Alumni through the efforts of the CEE Advisory Council, in collaboration with the department chair, CEE faculty, and the Dean of the College of Engineering. The members of the inaugural class were selected by a subcommittee of CEE faculty and the Advisory Council members, based on nominations from all CEE faculty and the council. Many of the inaugural members belong to the National Academy of Engineering or hold other notable honors, and all have substantial records of service to the department. Current or past EERI members who belong to the inaugural class are Mihran Agbabian, David Friedman, Paul Gilbert, James Kleinfelder, James K. Mitchell, Karl Pister, Leslie Robertson, Edward L. Wilson, Loring Wyllie Jr., Peter Yanev, and Victor Zayas.

For more information, visit <http://www.ce.berkeley.edu/news/532>.

2013 Annual Meeting

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lessons from recent earthquakes, and panel discussions on resilience planning efforts from across the country, retrofit and rehabilitation of vulnerable buildings, and modeling loss and resilience. Concurrent sessions will address design guidance for tsunami-resistant structures, technology for post-earthquake assessment and monitoring, earthquake-induced ground failures, and how performance-based seismic design can improve both resilience and sustainability.

Registration will open in late November. Watch for more information coming your way soon!

News of the Institute

NY-NE Chapter Meeting

The November meeting of the New York-Northeast Regional Chapter of EERI will be held November 14, 2012, from 5:30 to 7:00 p.m. at AECOM's downtown New York office. Christos Vrettos, professor of soil mechanics and foundation engineering at the Technical University of Kaiserslautern in Germany, will speak on "Seismic Design including Soil-Structure Interaction Effects, Case Study: Metro Line Stations and Twin Tunnels in Soft Ground." Contact Jesse Richins at jrichins@mrce.com if you will be attending. For more information, visit <https://www.eeri.org/wp-content/uploads/November-2012-meeting-announcement.pdf>.

Post-Disaster Assessment Training Workshop at Purdue

The Purdue University EERI Student Chapter is hosting a one-day workshop in West Lafayette, Indiana, on Saturday, November 17, 2012, covering the California Emergency Management Agency (CalEMA) Safety Assessment Program (SAP). It provides training for the rapid evaluation of damaged buildings, lifeline systems, and infrastructure. It identifies those structures that are safe for use and occupancy, while marking those that are unsafe or have restricted use according to ATC-20 and ATC-45 protocols. Upon completion, licensed professional civil engineers, architects, and building inspectors will be eligible to become CalEMA-certified SAP Evaluators. The cost will be \$100 for professionals, \$50 for students, and includes breakfast and lunch. Registration fees increase by \$25 after November 9. For more information and to register, visit www.engineering.purdue.edu/eeri.

Four New EERI Student Chapters

EERI is pleased to announce that the following four new EERI student chapters were recently established

California State Polytechnic University, Pomona: The faculty advisor is Professor Mikhail Gershfeld of the Department of Civil Engineering; the local contact is Majid Sarraf of TMAD Taylor and Gaines in Pasadena.

California State University, Long Beach: The faculty advisor is Assistant Professor Lisa Star of the Department of Civil Engineering and Construction Engineering Management; the local contact is Salih Tileyioglu of Ninyo & Moore in Irvine.

New Mexico State University: The faculty advisor is Assistant Professor Brad D. Weldon of the Department of Civil Engineering; the local contact is Nathan Mensay of Chavez-Grieves Consulting Engineers in Albuquerque.

University of Minnesota: The faculty advisor is Professor Catherine French of the Department of Civil Engineering; the chapter is still seeking a local professional contact.

Increased Advocacy

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staff members of the House Natural Resources and Science, Space and Technology Committees, the Senate Commerce, Science and Transportation Committee, and with staff aides for Senator Boxer (CA) and Representative Biggert (IL). NEHRP reauthorization now seems unlikely this legislative session; however, EERI is laying a foundation by supporting a comprehensive bill with reasonable funding levels that will carry over to the next Congress.

15WCEE in Lisbon

Over 3,000 delegates traveled to Lisbon to attend the 15th World Conference on Earthquake Engineering at the end of September. The five-day conference was hosted by the Portuguese Society of Earthquake Engineering and featured many EERI members as keynote and invited speakers. The EERI exhibit booth provided information about membership and publications and also featured the World Housing Encyclopedia and the Learning from Earthquakes programs.

EERI submitted a strong proposal to host the 16WCEE. Australia, Chile, Indonesia, Japan, Macedonia, and Turkey also submitted proposals. EERI President-Elect Ian Buckle and Past President Chris Poland delivered the presentation to the International Association for Earthquake Engineering (IAEE) delegates. The proposal featured innovative and exciting ideas for knowledge exchange and networking. After four rounds of voting, EERI's proposal

finished second to Chile's. The World Conference has not been held in South America since the 4WCEE in Chile in 1969. While EERI did not win the bid, many of the ideas that were developed will be incorporated into the technical program of the 10th National Conference on Earthquake Engineering to be held July 20-26, 2014, in Anchorage, Alaska.

The Conference proceedings were distributed on flash drives and will be available on the IAEE website in approximately six months.



The EERI booth at the 15WCEE

Bray's "Building Near Faults" Lecture in Southern California

EERI member Jonathan D. Bray, professor of geotechnical engineering at the University of California, Berkeley, will deliver the 2012 William B. Joyner Memorial Lecture on "Building Near Faults" at a joint meeting of the Geotechnical Group of the Los Angeles Section of ASCE and the AEG Southern California Section on Wednesday evening, November 14, 2012, in the city of Commerce. For more information and to register, visit <http://lageoinstitute.com/category/upcoming-events/>. Students are free; others, \$35 in advance; \$40 at the door. For more information about Bray's lecture, see page 5 of the May 2012 *Newsletter*.

Electronic Voting in EERI Election

Instructions on how to cast your ballot electronically in this year's election to determine who will serve on EERI's Board of Directors will be e-mailed to members in November and will also be provided in the December *Newsletter*. If you prefer to vote by paper ballot, please e-mail Juliane Lane at juliane@eeri.org no later than November 15, 2012, or call 510/451-0905.

To ensure that we have your correct e-mail on file, please check your information in the online roster in the "Members Only Resources" area of the website at www.eeri.org (click "Membership Center" in the right column). If your e-mail address is incorrect, please go to the "Roster Information Update" section to correct it.

New EERI Intern

EERI would like to welcome Hannah Gallagher, our newest intern.

Hannah graduated this past spring from Western Washington University in Bellingham, Washington, with a bachelor's degree in Environmental Planning and Policy in the Disaster Reduction and Emergency Planning track. She has extensive research and service experience related to disasters and vulnerable populations. Before coming to EERI, she was a research assistant looking at the role of differential infrastructure restoration in community resilience.

Hannah is working on a series of EERI projects including Phase II of the Concrete Coalition, creating EERI's 100 Best photo gallery, and contributing to the Learning from Earthquakes: Seismic Resilience Project. Hannah is assisting EERI in website development and maintenance and is creating multimedia products for the Global Earthquake Model, the California Clearinghouse, and the World Housing Encyclopedia.

Working on these projects offers Hannah relevant professional experience and exposure to the multidisciplinary aspects of earthquake engineering. Her work also benefits EERI's mission to gather and disseminate information about earthquake risk reduction and to advocate for realistic measures to reduce the harmful effects of earthquakes.



Hannah Gallagher

EERI Statement

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quake engineering community. Their careers have focused on seismological and engineering research, publication of their findings in journals and popular literature, teaching, improving codes, and public service. One of the defendants, Professor G. Michele Calvi, is a member of EERI.

Based on all the evidence available to date and speaking on behalf of the Institute, the Board of Directors believes the indictment and conviction are misguided and stands with our member Professor Calvi and our other colleagues on the commission during this difficult time. The Board expresses its respect for their long service in working to improve earthquake safety in Italy and internationally.

The Board also noted that the decision sets a detrimental precedent affecting those who serve on advisory panels and who speak publicly on earthquake risk. The Board notes that seismic mitigation has to be built around a well-informed public, proactive preparedness efforts, and

enforcement of existing building codes. A primary role for scientists and engineers is to help educate the public, and we urge our members to redouble their efforts in this area through careful interactions with the media and public officials.

The Board will review the judge's written decision once it is handed down and consider additional measures the Institute can take to support our colleagues and to mitigate the harmful impacts of the decision. The Board invites members to comment on this matter. Comments can be posted at www.eeri.org/2012/11/eeri-laquila-statement.

The information below was gathered from www.smartplanet.com/blog/bulletin/italian-seismologists-found-guilty-of-manslaughter-for-downplaying-risk/3553, an article in the October 12, 2012, issue of Science, "Aftershocks in the Courtroom," by Edwin Cartlidge (www.sciencemag.org/content/338/6104/184), and www.nature.com/news/2010/100622/full/465992a.html.

The prosecutor charged that the members of the National Commis-

sion for the Forecast and Prevention of Serious Risks provided "inaccurate, incomplete and contradictory" information and gave "falsely reassuring statements" before the quake.

One of the defendants had said in the press conference that "the scientific community tells us there is no danger because there is an ongoing discharge of energy. The situation looks favorable." Prosecutors used this comment as evidence of lapsed judgment, saying some people who would otherwise have fled their homes during subsequent tremors stayed inside—and were killed. In a recorded telephone conversation between the director of the Civil Protection Department and an emergency management official, the director said that he was convening the commission to reassure the public and quash predictions. This call raised the question of whether the scientists were used to bring calm to a jittery town that had endured a long series of tremors for three months. The tension had been exacerbated by a prediction of a strong earthquake that would strike a nearby town on March 29.

News of the Profession

ASCE Survey

The Young Professionals Committee of ASCE's Structural Engineering Institute is conducting a survey about the experiences of structural engineering professionals. The committee is interested in your career path, work-life balance, and job satisfaction. It seeks responses from U.S.-based current and past structural engineering professionals at all stages in their careers. Please visit <http://bechtel.colorado.edu/~liel/yp.htm> to take the survey. It will take about 15 minutes to complete. The first 300 respondents will receive a \$5 Starbucks card as a thank you. The survey results will be provided to participants, published in a report, and presented at a conference. For more information, contact Abbie Liel at abbie.liel@colorado.edu.

Calls for Papers

NZSEE, 7ICBMAS, 3ISLCCE

The **2013 New Zealand Society for Earthquake Engineering Conference** will be held April 26-28, 2013, in Wellington, New Zealand. Presenters of written papers are invited to submit an abstract of no more than 250 words by November 26th, 2012, online at <http://www.nzsee.org.nz/conferences/nzsee-2013-conference/>. Abstracts are also invited for presentations at a special session on recent practical projects, for which no written paper is required.

The **7th International Conference on Bridge Maintenance, Safety and Management (ICBMAS)** is being organized on behalf of the International Association for Bridge

Maintenance and Safety (IABMAS) under the auspices of Tongji University. It will be held July 7-11, 2014, in Shanghai, China. Authors are invited to submit 300-word abstracts by January 15th, 2013, online at <http://www.iabmas2014.org>. Participants interested in organizing mini-symposia or special sessions are requested to submit proposals by email to papers@iabmas2014.org.

The **Third International Symposium on Life-Cycle Civil Engineering 2014** will be held in Tokyo, Japan, November 16-19, 2014, organized on behalf of the International Association for Life-Cycle Civil Engineering (IALCCE) under the auspices of the Department of Civil Engineering, Waseda University. Authors are invited to submit 300 word abstracts by July 1, 2013, online at www.ialcce2014.org.

Opportunities

NIST Research Position

The Department of Commerce's National Institute of Standards and Technology (NIST) Engineering Laboratory (EL) seeks a new earthquake engineering research staff member in support of its role in the National Earthquake Hazards Reduction Program (NEHRP). Applicants should have experience in research and practice with a working knowledge of the performance issues of reinforced concrete structures subjected to ground motions obtained through experimental or analytical investigation.

This is an excellent opportunity for an individual with strong technical credentials in academia, industry, or government service, who is interested in public service leadership and a challenging career in performing cutting-edge NEHRP research.

Those interested should contact NEHRP Director Jack Hayes (jack.hayes@nist.gov, 301/975-5640) as soon as possible. For more information, visit <http://www.nehrp.gov/news/announcement8.htm>.

ATC Seeks Director of Projects

The Applied Technology Council (ATC) in Redwood City, California (San Francisco Bay Area), is seeking an experienced full-time structural engineering professional to manage and supervise ATC's technical projects.

Qualifications include demonstrated leadership skills and experience; post-graduate degree(s) in civil (structural) engineering or a professional license as a civil or structural engineer; experience in supervising and managing structural engineering and technical personnel and projects; research and development experience in fields related to extreme loads; demonstrated success in preparing technical proposals and winning competitive projects; ability to facilitate discussion and consensus among high-level technical specialists; and substantial experience in preparing, publishing, and presenting technical reports and papers.

Applications are due November 12, 2012 (closing date for position). For more information and to apply, visit https://www.atccouncil.org/files/Director_of_Projects_News_Release_10-10-12.pdf.

Paul C. Rizzo Associates Openings

EERI Subscribing Member Paul C. Rizzo Associates has openings for the following two positions in its Oakland, California, office: (1) structural engineer, required: three years of experience. (2) senior structural engineer, required: five years of experience and a P.E. license. A master's degree in structural engineering and experience with finite element method (ANSYS or SASSI) are required for each. Candidates should have a solid background in geotechnical engineering and experience in numerical methods and programming. Work will be in the nuclear power plant and transportation markets.

Paul C. Rizzo Associates, Inc. is an award-winning, highly focused firm specializing in all aspects of the civil engineering and earth sciences fields for the dam, nuclear power plant, and tunneling markets.

To apply, visit <http://www.rizzoassoc.com/cms/careers-people/employment-opportunities>.

Canterbury Quake Centre Seeks Director

The newly created Quake Centre in the Department of Civil and Natural Resources at the University of Canterbury, New Zealand, seeks candidates to become its first director. The centre seeks a business-focused individual with a record of leadership and relationship building and an engineering background to drive growth. The closing date for applications is 15 November 2012 (NZ time). For an informal discussion about the position, contact Roger Nokes, phone +64 3 364 2987, email roger.nokes@canterbury.ac.nz. For more information, visit https://ucvacancies.canterbury.ac.nz/psp/ps/EMPLOYEE/HRMS/c/HRS_HRAM.HRS_CE.GBL?Page=HRS_CE_JOB_DTL&Action=A&JobOpeningId=1733&SiteId=1&PostingSeq=1.

EQECAT Product Manager Position

EQECAT, a subsidiary of EERI Subscribing Member ABS Consulting, seeks a product manager of earthquake models in either its Oakland, California, or Hackensack, New Jersey, locations. The ideal candidate will have a bachelor's degree in structural engineering, geophysics or a similar field, an advanced degree in a relevant discipline, experience in earthquake risk or catastrophe models, and exceptional communication skills. EQECAT is a leader in catastrophe risk modeling and consulting, serving the global insurance and financial markets. The product manager establishes priorities and design requirements from strategic and user perspectives. The role requires integrated consultation across all of EQECAT's functions. For more information, visit <http://www.eqecat.com/about/careers/>.

NEES News

NEEShub: Simulation Tool Update

The NEEShub (<http://nees.org>) provides access to various computational simulation tools for the earthquake engineering community. These tools may be run in the NEEShub without download, facilitating their use and in many cases improving their performance. Some of the tools are also available for download. Below is a list of the newly available tools. Along with others, they can be accessed at <http://nees.org/resources/tools/>.

ENGINEERING SEISMOLOGY and GROUND MOTION



RSPMatch09 (contributed by Linda Al-Atik and Norman Abrahamson) is a downloadable tool that performs time-domain spectral matching of an earthquake acceleration-time history.

Spector 2008 (contributed by L.E. Garcia) computes linear elastic response spectra for earthquake ground motion records.

STRUCTURAL ANALYSIS



SAP2000-Student Version (contributed by CSI – Computers & Structures, Inc.) is a popular analysis and design tool familiar to both engineering students and practitioners around the

world. NEEScomm is excited about this first step in a partnership with CSI.

PocketStatics (contributed by Mahmoud Hachem) is an interactive structural analysis program in which the structure is sketched on the screen and the program automatically displays results in realtime.

RT-Frame2D (contributed by Nestor Castaneda-Aguilar, Xiuyu Gao, Shirley Dyke) is a newly developed computational tool for performing real-time hybrid simulation of seismically excited nonlinear steel frame structures.

West Point Bridge Designer (contributed by Steve Ressler and Eugene Ressler) is educationally-focused, allowing users to model, test, and optimize a steel highway bridge, based on realistic specifications, constraints, and performance criteria.

DATA ANALYSIS



Data Transformer (contributed by Michael Boldischar) is a downloadable tool used to transform experimental data files in various ways (e.g., formats, units, decimation).

N3DV (contributed by Peter Rojas, Thomas Slankard, Gunther Weber, and Dan Wilson) is a tool for visualizing experimental earthquake data. It provides a 3D view with 3D objects representing the structures and instruments within an experiment.

Data Analyzer (contributed by Thuy Le) is a web-based application developed to help visualize, interpret, and analyze experimental data with simple sketches and fittings.

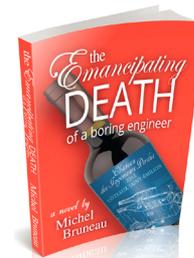
Announcement

Nuclear Plants Symposium

The 8th Nuclear Plants Current Issues Symposium: Challenges & Opportunities will be held Wednesday-Friday, January 23-25, 2013, in Orlando, Florida. The symposium is multidisciplinary and consists entirely of invited experts' presentations in plenary sessions. Limited attendance of 100-125 will be conducive to a free exchange of information and views. The symposium will address the efforts, emerging plans, and potential implementation strategies in response to the challenges to nuclear power plants worldwide — to assure enhanced plant safety and reliability against external environment hazards and internal operational events, including those beyond the design basis. For more information, visit <http://go.ncsu.edu/NPCIS>.

Publication

Death of a Boring Engineer



The Emancipating Death of a Boring Engineer is a new novel by EERI member Michel Bruneau. The book is an unconventional journey in search-

ing for significant numbers, good wines, the meaning of life and love, and whether it is ever too late. With its palette of quirky characters, imaginative developments, and unusual perspective on life and death, the novel is an inspirational journey that captivates, entertains, and provides food for thought. Bruneau is also the author of *Shaken Allegiances*. For more information, visit www.michelbruneau.com.

CALENDAR

The issues containing the first and subsequent appearances are indicated at the entry's end. Items listed for the first time are shown in bold.

2012

NOVEMBER

7. SEAONC Design Manual Seminar Part 1, San Francisco, CA. See this page. (11/12)

14. Joyner Lecture, City of Commerce, CA. See page 3. (11/12)

14. SEAONC Design Manual Seminar Part 2, San Francisco, CA. See this page. (11/12)

16. COSMOS Annual Meeting & Technical Session, Emeryville, CA. www.cosmos-eq.org (9/12)

DECEMBER

4. EERI So. Calif. Fall Lecture Series: Natural Disasters, Pasadena, CA. www.eeri.org (10/12)

2013

JANUARY

23-25. 8th Nuclear Plants Symposium, Orlando, FL. See page 6. (11/12)

FEBRUARY

12-15. EERI Annual Meeting, Seattle, WA. <http://2013am.eeri.org>. See page 1. (6/12, 10/12, 11/12)

15. Khan Lecture Series: The Evolution of the Skyscraper, Lehigh University, Bethlehem, PA. <http://www.lehigh.edu/~infrk/> (9/12)

20-21. Residential Building Conference, Bethlehem, PA. www.engr.psu.edu/PHRC/2013Conference/RBDCC/default.htm (8/12)

MARCH

22. Khan Lecture Series: AASHTO Bridge Design, Lehigh University, Bethlehem, PA. <http://www.lehigh.edu/~infrk/> (9/12)

APRIL

3-5. Architectural Eng. Institute Conference, University Park, PA. http://www.engr.psu.edu/ae/AEI-2013/Call_for_Papers.asp (3/12)

17-19. Annual Meeting, Seismologi-

cal Society of America, Salt Lake City, UT. www.seismosoc.org/meetings/ (7/12, 10/12)

19. Khan Lecture Series: Reliability-Based Design Criteria, Lehigh University, Bethlehem, PA. <http://www.lehigh.edu/~infrk/> (9/12)

22-24. Int'l Federation for Structural Concrete (fib) Symposium, Tel Aviv, Israel. <http://www.fib2013tel-aviv.co.il/> (5/12, 6/12)

26-28. 2013 NZSEE, Wellington, New Zealand. See page 4. (11/12)

29-May 4. 7th Int'l Conference on Case Histories in Geotechnical Engineering, Wheeling, IL (Chicago area). <http://7icchge.mst.edu> (12/11, 2/12)

MAY

19-23. 4th Session of the Global Platform for Disaster Risk Reduction, Geneva Switzerland. <http://www.preventionweb.net/english/professional/trainings-events/events/v.php?id=23896> (1/12, 7/12)

20-22. 7th National Seismic Conference on Bridges & Highways, Oakland, CA. <http://www.7nsc.info/default.asp> (9/12)

JUNE

16-20. 11th Int'l Conference on Structural Safety & Reliability (ICOSSAR2013), New York City. <http://icossar2013.org/> (8/12)

AUGUST

18-23. 22nd Int'l Conference on Structural Mechanics in Reactor Technology (SMiRT-22), San Francisco, CA. www.smirt22.org. (2/12, 4/12, 10/12)

28-30. Vienna Congress on Recent Advances in Earthquake Engineering and Structural Dynamics (VEESD2013), Vienna, Austria. <http://veesd2013.conf.tuwien.ac.at> (8/12)

NOVEMBER

8-9. 5th International Conference on Advances in Experimental Structural Engineering (5AESE), Taipei, Taiwan. <http://aese5.ncrec.narl.org.tw> (11/12)

2014

APRIL

30-May 2. Annual Meeting, Seismological Society of America, Anchorage, Alaska. <http://www.seismosoc.org/meetings/> (7/12)

JULY

11-14. 7th Int'l Conf on Bridge Maintenance, Safety, and Management (7ICBMAS), Shanghai, China. See page 4. (11/12)

20-26. 10th National Conference on Earthquake Engineering, EERI Annual Meeting, & NEES Quake Summit 2014, Anchorage, Alaska. www.eeri.org (9/12)

NOVEMBER

16-19. 3rd International Symposium on Life-Cycle Civil Engineering (IALCCE), Tokyo, Japan. See page 4. (11/12)

Announcement

SEAONC Design Manual Seminar

The two-part Fall Seminar of the Structural Engineers Association of Northern California (SEAONC) will be based on the new publication *2009 International Existing Building Code SEAOC Structural/Seismic Design Manual*. The seminar will provide an introduction to the IEBC and step-by-step approaches to applying the structural provisions of the IEBC appendix chapters. Five sections will be presented by the authors (or their selected representative), who will illustrate and provide guidance through the practical application of specific provisions.

The two parts will take place on consecutive Wednesday evenings, November 7 and 14, 2012, 6:00 to 9:00 p.m., at the PG & E Auditorium, 245 Market Street, San Francisco. Seminar fees for both parts are \$250 for SEAONC members, \$350 for nonmembers, and \$60 for students. There is also the option of registering for one part only. A late fee will apply after noon on November 1. For more information and to register, visit <http://www.seaonc.org/member/index.asp>.



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EERI Newsletter, November 2012 Volume 46, Number 11

News of the Profession

**Collaborators Sought
 for Japanese Project
 on Infrastructure**

As a response to lessons learned from the 2011 Tohoku earthquake about the potential intensity of large offshore earthquakes, a new project has been initiated in Japan entitled "Special Project for the Maintenance and Recovery of Functionality in Urban Infrastructure." It has three main focus points: 1) quantification of collapse margins in high-rise buildings, 2) health monitoring and rapid condition assessment of buildings, and 3) evaluation of soil-foundation-structure interaction. Headed by Professor Masayoshi Nakashima of Kyoto University (a former EERI

director), the five-year project has annual funding of approximately US\$3 million. Major participants include NIED (E-Defense) and multiple major Japanese design and construction firms. In addition, international collaboration is being sought.

The project will utilize advanced numerical simulation and health monitoring systems installed in existing infrastructure as well as large-scale testing, making use of facilities such as E-Defense and an existing seismometer network (the Japanese network MeSO-net) as well as newly installed sensors. These will be located to monitor ground, foundation and structural behavior. Four major tests are planned at E-Defense: the first two on the collapse of high-rise steel and concrete buildings scheduled for 2013 and 2014, respectively, and the second

two on soil-foundation-structure interaction scheduled for 2015 and 2016. All experiments will implement newly developed health monitoring and damage detection systems focused not only on reporting the existence of damage but also on locating damage to expedite repair efforts.

The main goal of the project is to develop technical guidelines for the design, construction, and maintenance of buildings and lifelines in large urban environments. Other goals include the collection and dissemination of experimental data on damage and collapse of high-rise buildings, implementation of advanced health-monitoring networks, and advances in numerical simulation of soil-foundation-structure interaction. For more information, visit http://www.toshikino.dpri.kyoto-u.ac.jp/index_e.html.

News of the Institute

EERI Endowment Donors

EERI would like to thank the donors to the Endowment Fund shown below and acknowledge their recent contributions. EERI's Endowment supports innovative projects that assure the Institute's continuing leadership in the earthquake engineering professions.

\$22,000 Computers & Structures	\$500 Robert Chittenden	Joseph Nicoletti	Linda Emery	Other Amounts William Elliott Jerome Kutliroff Chiara McKenney Adrian Rodriguez-Marek Fred Ziaripour
\$7,000 Kinematics	\$200-400 Mihran Agbabian	Michael O'Rourke	Sunil Gupta	
\$2,000 KPFF Consulting Engineers	Christopher Arnold	Howard Zee	Neil Hawkins	
	Ian Buckle	\$100-\$150	Kazuta Hirata	
	Terry Dooley	Robert Bauer	Henry Lagorio	
	Richard Eisner	David Breiholz	Peter Lee	
	Stephen Kadysiewski	Yu-Ning Chen	Terry Lundeen	
		Gary Christenson	Akira Wada	
		Kevin Coppersmith		