



**EARTHQUAKE ENGINEERING  
RESEARCH INSTITUTE**

## **NEWSLETTER**

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### **News of the Institute**

## **Honors Committee Seeks Member Input**

The EERI Honors Committee would like to generate more participation by EERI members in the process of identifying worthy members whose contributions should be recognized. In particular, the committee would like to have more participation by the general membership in identifying candidates for the Housner Medal and the Distinguished Lecture Award. The committee also recommends Honorary Membership and the award for the Outstanding Paper from *Spectra*. The awards are presented at the Annual Meeting. Send your nominations to the Honors Committee at the EERI office. Past recipients of the Housner Medal and honorary members are listed in the EERI Roster.

### **News of the Institute**

## **EERI Pilot Program to Increase Mitigation through Professional Associations**

Many EERI members belong to multiple professional associations, some of which have little or nothing to do with earthquakes. EERI would like to encourage all members to become more active in efforts to reduce future earthquake losses by spreading the word in other parts of their lives.

An effective way to impart current lessons from the earthquake community to land use planners, architects, risk managers, city managers, insurers, and lenders is to work through their professional associations, such as the American Planning Association, American Institute of Architects, International City Management Association, and U.S. Conference of Mayors. Providing an opportunity for professionals to hear from colleagues speaking from their own experience could be an effective means to influence their practice. With better information, professionals could make much more significant contributions to earthquake mitigation.

As part of EERI's Cooperative Agreement with the Federal Emergency Management Agency (FEMA), the Institute is now setting up a pilot program to expand earthquake risk reduction efforts through outreach to other professional associations. FEMA's Project Impact provides

another avenue into the professional associations, and at the same time, an opportunity to spread the word about real-world mitigation. Many of the building officials, planners, public works officials, architects, emergency managers, and housing developers involved in Project Impact are also leaders in their national, professional associations.

In many cases these people would welcome opportunities to discuss their efforts, but do not have the time to organize sessions on their own. EERI will provide technical and staff support to facilitate holding technical sessions on earthquake mitigation topics at the meetings of these associations. EERI will also work with them to influence their technical training programs and to encourage the inclusion of earthquake risk reduction topics in ongoing programs. Outreach to the associations will be a joint effort between EERI member volunteers and EERI staff to establish working relationships in each targeted association.

If you plan to speak about earthquake safety issues at other association meetings and would like to apply for funds available to help attend such meetings, please notify EERI Executive Director Susan Tubbesing at [skt@eeri.org](mailto:skt@eeri.org).

### **Announcements**

## **Japan Association for Earthquake Engineering Established**

The Japan Association for Earthquake Engineering (JAEE) was established on January 1, 2001. According to the current president, Hiroyuki Aoyama, Professor Emeritus at the University of Tokyo, "The largest lesson we learned from the Kobe earthquake was the critical need for people with diverse areas of expertise to make an integrated effort to increase the safety of our society against earthquakes. The JAEE was established to meet this critical need.

*continued on page 3*



National Earthquake  
Hazards Reduction  
Program

## News of the Profession

### NEES Program Solicitation FAQ Web Site Now Available

A Frequently Asked Questions (FAQ) web site for program solicitation NSF 01-56, "George E. Brown, Jr., Network for Earthquake Engineering Simulation: Consortium Development," has just been completed. It may be found at: [www.nsf.gov/cgi-bin/getpub?nsf01101](http://www.nsf.gov/cgi-bin/getpub?nsf01101). The FAQ site has also been added to the NEES web site at [www.eng.nsf.gov/nees](http://www.eng.nsf.gov/nees).

### Report on NEES Consortium Forum

*Editor's Note: Ian Buckle, Chair of the Experimental Research Committee, wrote the following report on the NEES Consortium Forum held January 16–17, 2001, at the San Francisco Airport.*

The intent of this forum was to provide an opportunity for the earthquake engineering community to explore the implications and opportunity presented by NSF Solicitation (01-56): Development of a Consortium for the George E. Brown, Jr., Network for Earthquake Engineering Simulation (NEES). A second objective was to determine how the community might respond to this solicitation and determine a way forward.

Originally scheduled for September

2000, but postponed due to delays in the release of the solicitation, the meeting attracted about 30 people representing a wide cross section of the community. Formal presentations were made on the content of the solicitation, followed by questions and answers from NSF, a panel session, and open discussion from the floor.

Organized by the EERI Experimental Research Committee, presenters included Chris Arnold (President EERI), Joy Pauschke (NSF), Ian Buckle (University of Nevada–Reno), Gerry Pardo (President Consortium of Universities for Research in Earthquake Engineering — CUREE), and Chris Rojahn (Executive Director Applied Technology Council — ATC). The panel discussion was led by Bruce Kutter (University of California at Davis) with panelists Dan Abrams (University of Illinois at Urbana-Champaign), Greg Fenves (University of California at Berkeley), Jim Jirsa (University of Texas), Chris Rojahn (ATC), Jim Malley (Degenkolb Engineers), Jim Mitchell (Virginia Tech), and Harry Yeh (University of Washington). The discussion reporter was Mike Engelhardt (University of Texas). Susan Tubbesing provided the logistical support.

The following agreement was reached:

1. That the community supports the submission of a single, community-based response to NSF Solicitation 01-56 (NEES Consortium Development),
2. That CUREE shall take the lead role in the development of such a proposal, in partnership with ATC and with the support of EERI, and
3. That CUREE shall call the next meeting of the "community" and seek the involvement of other interested parties.

CUREE members present indicated that the next meeting would be held immediately following the EERI Annual Meeting in Monterey, Saturday afternoon, February 10, 2001.

## Announcements

### Fires, Floods, and Faults II

The Collaborative for Disaster Mitigation is organizing "Fires, Floods, and Faults II: Using New Technologies for Disaster Mitigation and Business Continuity." This symposium will be held May 14, 2001, at the San Jose Convention Center in San Jose, California. The purpose is to explore the use of new technologies for mitigation and disaster planning. Invited speakers will present new technologies that have become available relatively recently. Symposium participants are expected to take an active role in breakout sessions, identifying technology requirements for hazard mitigation and emergency preparedness. Participants will be e-mailed a participant roster and breakout session summaries after the symposium.

For more information, contact the Collaborative for Disaster Mitigation, San Jose State University, One Washington Square, San Jose, CA 95192-0082; phone: 408/924-3596; fax: 408/924-4057; e-mail: [sjsu\\_cdm@email.sjsu.edu](mailto:sjsu_cdm@email.sjsu.edu).

### Seismic Seminar in Assisi

The Seventh International Seismic Seminar will be held October 2–5, 2001 in Assisi, Italy. The topic is "Isolation, Passive Energy Dissipation, and Active Control of Vibrations of Structures." Abstracts are being accepted for poster papers. Full details on the conference and abstract submission can be found on the web site: [192.107.65.2/glis](http://192.107.65.2/glis). The seminar will be followed by the 5th World Congress on Joints, Bearings, and Seismic Systems for Concrete Structures to be held in Rome, Italy, October 7–11, 2001. Further information on the congress can be found on the web site: [www.ega.it/jbss5\\_2001](http://www.ega.it/jbss5_2001).

## Japan Association ...

*continued from page 1*

Over one thousand members from various backgrounds have gathered with us in this forum to exchange information and work and campaign together for a safer society. ”

The vision of the Japan Association for Earthquake Engineering is to bring together researchers, engineers, government representatives, and others from scientific, technical, and social disciplines to reduce the risk of earthquake disasters. JAEE will serve as a forum for collaboration, mutual education, and the creation of a shared knowledge base, uniting and helping to coordinate the efforts of many researchers and engineers whose areas of expertise, however diverse, all share the common goal of increasing our resistance to earthquake catastrophes.

The association will pursue its vision by carrying out the following duties:

(1) promote surveys and research, (2) organize technical conventions, (3) publish news and technical journals, (4) collect and store literature and results in a searchable database, (5) promote and publish the results of research, technological, and educational initiatives, (6) organize public education efforts, including seminars, exhibitions, and tours, and (7) exchange research and technological advances internationally.

JAEE's president-elect is Professor Tsuneo Okada of the Shibaura Institute of Technology. The association address is JAEE, Kenchiku Kaikan, 5-26-2, Shiba, Minato-ku, Tokyo 108-0014 Japan; phone: 81-3-3457-7453; fax: 81-3-3457-7076; e-mail: [office@general.jaee.gr.jp](mailto:office@general.jaee.gr.jp). For more information on JAEE, see the web site: [research.jaee.gr.jp](http://research.jaee.gr.jp).

## News of the Profession

### Employment Opportunities

**University of California, Los Angeles**, Department of Civil and Environmental Engineering. A research (nontenure track) position in the area of field testing and monitoring of geotechnical and structural systems. Candidates must hold a doctorate degree in civil engineering or a related field. Responsibilities will include integrating field testing and monitoring equipment for the recently established NSF NEES field laboratory at UCLA; therefore, familiarity with operation and calibration of sensors, hydraulic actuators and controllers, and data acquisition systems is essential. Review of applications will begin on May 15, 2001, and continue until the position is filled. For application information, see the web site [www.cce.ucla.edu](http://www.cce.ucla.edu).

**Nabih Youssef & Associates**, Los Angeles, California. Positions for junior and senior engineers with Southern California structural engineering firm.

Minimum qualifications for senior engineer include an MS degree in structural engineering and three years of experience, and for junior engineer a BS in structural engineering with a GPA of 3.5 or above.

Contact: e-mail [chealy@nyase.com](mailto:chealy@nyase.com), fax 213/688-3099, phone 213/362-0707, or see the web site [www.nyase.com](http://www.nyase.com).



## News of the Profession

### Major Earthquake Hits Southern Japan

A magnitude 6.4 earthquake hit the city of Hiroshima in southwestern Japan at about 3:30 p.m. on Saturday, March 24, causing two deaths and injuring at least 170. It was centered about 38 miles below the seabed in Hiroshima Bay, about 430 miles southwest of Tokyo. The quake did not trigger a tsunami.

Officials reported that more than 3,800 homes and other buildings were damaged or destroyed in the earthquake, and that landslides were triggered at more than 50 locations. Damage was reported to water mains, leaving 34,000 households without water. Officials also reported that at least four homes caught fire and that several people were trapped in elevators. Railway officials suspended service in the area for several hours on the bullet trains, which serve most of Japan's major cities, to check for possible distortions to the railbeds, forcing more than 3,500 passengers to spend the night on trains.

## News of the Institute

### Jim Roberts Visits Univ. of Michigan

On February 13–14, James Roberts from the California Department of Transportation visited the University of Michigan as part of the EERI Visiting Professionals Program.

During his two-day visit, Roberts was able to interact with the students and faculty through several meetings and discussions during meals. He presented three formal lectures, sponsored by the EERI Student Chapter: "Use of Composites in Seismic Strengthening," "Improved Seismic Details for Bridges," and "Performance-Based Design."

## News of the Institute

### Endowment Fund Contributions

EERI has received the following contributions to the Endowment Fund.

#### \$5000

Bakar, Gerson & Barbara  
Friedman, David Alan and  
Paulette Meyer

#### \$2000

Allen, Clarence R  
Poland, Chris D

#### \$1000

Braun, Forrest T  
Coil, John McKee  
Lindblad, William J  
Penzien, Joseph

#### \$500-\$999

Arnold, Christopher  
Kircher, Charles  
Mileti, Dennis  
Paulson, Conrad

#### \$200-\$499

Crandall, L LeRoy  
Dooley, C Terry  
Eggenberger, Andrew J  
Gordon, Ruth V  
Hoover, Cynthia A  
Jirsa, James O  
Kennedy, Robert P  
Lagorio, Henry J  
Lee, George C  
Love, Jay & Eileen  
Mayes, Ronald L

Mitchell, James K  
Nyman, Douglas J  
Rathje, Ellen  
Sharpe, Roland & Jane  
Tubbesing, Susan K  
Wallace, Robert E  
Whitman, Robert V  
Yamaguchi, Shoichi

#### \$100-\$199

Anderson, Donald G  
Bonowitz, David  
Cherry, Sheldon  
Christensen, Ted M  
Foutch, Douglas A  
Fratessa, Paul  
Freeman, Sigmund A  
French, Catherine  
Grossman, Jacob  
Hall, William J  
Iglesias, Jesus  
Koester, Bradley D  
Kuo, Min Lung  
Kuroiwa, Julio  
Lai, James S  
Linhart, Frank J  
Lund, LeVal  
Luttrell, Kenneth  
McClure, Frank E  
Merovich, Andrew T  
Morelli, Ugo  
Mujumdar, Vilas

Nicoletti, Joseph P  
Nigg, Joanne M  
Pantelides, Chris  
Perlof, Stephen  
Petrovski, Jakim  
Preece, F Robert  
Roberts, James E  
Roy, Manilo  
Shina, Isaac S  
Swain, Robert J  
Taylor, William  
Valley, Michael  
Wada, Akira  
Youd, T Leslie

#### Other Amounts

Beck, James L  
Bielak, Jacobo  
Borcherdt, Roger D  
Chesi, Claudio  
Chew, Robert Y C  
Davister, Michael  
Dobry, Ricardo  
Donovan, Neville  
Eadie, Charles & Kim  
Egan, John A  
Esfandiari, Ross  
Esquivel, Juan Carlos  
Garcia-Alamo, Carlos  
Hasenberg, Carol  
Hata, Owen  
Hayes Jr, John R

Holmes, William T  
Hosseinian, Hossein  
Mohazzab  
Houston, Thomas  
Hultengren, Larry C  
Isoyama, Ryoji  
Iwai, Satoshi  
Jacob, Klaus H  
Kamei, Tom T  
Kimball, Jeffrey K  
Kreger, Michael E  
LaFave, James  
\* Legatos, Nicholas A  
Lew, Marshall  
McCarty, James E  
Nash, William  
Nikolic-Brzev, Svetlana  
Oppenheim, Irving J  
Pavon, Victor M  
Quittmeyer, Richard C  
Rihal, Satwant  
Rome, William  
Ross, Richard Dale  
Sagesser, Rolf  
Shakal, Anthony F  
Sykora, David W  
Takayama, Mineo  
Thompson, Christopher L  
Tillman, Craig W  
Toprak, Selcuk  
Wada, Akira  
Yamanouchi, Hiroyuki

\* Listed in an incorrect category in the 2000 Endowment Projects Annual Report (in the February *Newsletter*). EERI regrets the error.

## News of the Membership

### Klingner Named Chair of Masonry Standards Committee

EERI member Richard Klingner of the University of Texas, Austin, has been appointed as the next chair of the Masonry Standards Joint Committee (MSJC) by the American Concrete Institute International (ACI), the Structural Engineering Institute of the American Society of Civil Engineers (SEI/ASCE), and The Masonry Society (TMS). The MSJC develops and maintains design and construc-

tion standards for masonry for incorporation into building codes regulating masonry construction. Klingner was selected to serve as the chairman for MSJC because of his extensive technical knowledge on masonry, his considerable service on the committee, and his leadership as chair of many other committees. Klingner is the Phil M. Ferguson Professor in Civil Engineering at the University of Texas at Austin, where

he teaches graduate and undergraduate courses in structural engineering. He has conducted research on a variety of masonry systems, including the dynamic response of masonry and concrete structures. Another area of research has been in anchorage. Klingner was recently awarded both the President's Award and the John B. Scalzi Research Award by TMS for his considerable contributions. Last year he received the American Society For Testing and Materials (ASTM) Award of Merit and the title of Fellow, the highest award ASTM gives to an individual member.

## Publications

### Earthquakes in California

A new book for the general public, *Living with Earthquakes in California — A Survivor's Guide*, by EERI member Robert S. Yeats, has been published by the Oregon State University Press, with partial support from the Southern California Earthquake Center. Yeats describes California's geologic past and recounts the state's efforts to grapple with the earthquake threat. He examines the faults that threaten California; explores topics such as earthquake forecasting, catastrophe insurance, tsunamis, soil liquefaction, and preparedness and response; and suggests actions for citizens to protect their homes.

The book is available for \$21.95 from the web site: [www.orst.edu/dept/press/EarthquakeCA.html](http://www.orst.edu/dept/press/EarthquakeCA.html), or through the University of Arizona Press at 800/426-3797.

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## Call for Abstracts

### 2001 SEAOC Annual Convention

The Structural Engineers Association of California (SEAOC) is holding its 2001 Annual Convention September 26–29 at the Loews Coronado in San Diego.

The technical program will consist of papers in the following areas: Practical Structural Design; Research, New Methods, and New Applications in Structural Engineering; and Business of Structural Engineering.

The deadline for 300-word abstracts was May 1; however, interested authors should still contact the Technical Program Chair, Eric Lehmkuhl, KPFF Consulting Engineers, Inc., 3131 Camino Del Rio North, Suite 1080, San Diego, CA 92108; phone: 619/521-8500; fax: 619/521-8591.

## Obituary

### William Joyner (1929–2001)

William ("Bill") Joyner died of thyroid cancer on March 24, 2001. An EERI member since 1973, Joyner directed the U.S. Geological Survey (USGS) National Strong-Motion Program from 1999 until shortly before his death. He was particularly effective at bridging the gap between seismologists and engineers, serving on numerous code-writing committees for the Structural Engineers Association of Northern California and the Building Seismic Safety Council. In recognition of his contributions and service, he was awarded the Department of the Interior's highest honor, the Distinguished Service Award, in 2000.

After receiving his A.B., A.M., and Ph.D. degrees from Harvard University, Joyner joined the USGS as a geophysicist in 1964, working on computer analysis of gravity and magnetic data. In 1967, he was assigned to the USGS national headquarters in Washington, D.C., where he wrote a substantial part of the "Proposal for a Ten-Year National Earthquake Hazards Program," which was largely responsible for the highly regarded USGS program in earthquake hazard reduction.

In 1970, Joyner became a project scientist at USGS, Menlo Park, California, where he concentrated his research on the prediction of earthquake ground motion for engineering design. He was one of the first to develop numerical methods for calculating nonlinear soil response in one and two dimensions. His collaboration with Dave Boore resulted in a series of well-known papers giving what became the industry-standard equations for predicting strong ground motion from earthquakes. Most recently, he described the essential features of surface wave generation and propagation in deep sedimentary basins.

Joyner's technical contributions, intellectual curiosity, wisdom, humor, and willingness to discuss science and life will be missed by all who knew him.

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## Announcements

### SCEC Undergraduate Summer Internships

The Southern California Earthquake Center (SCEC) Summer Undergraduate Internship Program provides opportunities for undergraduate students to work alongside SCEC scientists. The program has three major goals:

- To support hands-on experiences in the earth sciences for undergraduates in fields such as active tectonics, seismology, paleoseismology, and geodesy;
- To provide insights into career opportunities in research and education;
- To involve women, persons with disabilities, or underrepresented minorities (African-Americans, His-

panics, Native Americans, and Native Pacific Islanders) in the earth sciences.

Most of the summer is spent at the mentor's institution or the project field site, except for a few internship activities that are coordinated by SCEC.

Student stipends are funded by the research mentors through existing grants or supplemental grants through the NSF Research Experience for Undergraduates (REU) program.

The deadline for registering for this program is May 15, 2001. For more information, see the SCEC web site: [www.scec.org](http://www.scec.org).

## Announcements

### UC Berkeley Summer Engineering Institute

The second annual Berkeley Summer Engineering Institute brings together engineering professionals with internationally known researchers to learn the latest in advanced engineering technologies. The 13-week program will be held at the University of California's Berkeley campus from May 30 to August 10 this year. The 29 courses are from two to five days long and are scheduled consecutively so that participants can easily attend one or more. The intensive format is designed to be convenient for participants from out-of-town, as well as San Francisco Bay Area professionals. Courses that focus on earthquake engineering issues include:

- Energy Dissipation Systems for Seismic Design of Buildings by James Kelly and Farzad Naeim.
- Update on Seismic Design Criteria for Steel Structures by James Malley and Stephen Mahin.
- Seismic Analysis, Design, and Retrofitting of Bridges by Roy Imbsen.
- Seismic Isolation Design — Section 1: Berkeley by James Kelly and Farzad Naeim.
- Evaluation and Mitigation of Seismic Hazards by Ray Seed.
- Environmental Forensics by Tadeusz W. Patzek, Patrick Sullivan, and Frank Agardy.
- Project Risk Management for Major Engineering and Construction Projects by David Ashley.
- Ethics and Business of Engineering New Technologies by William Kastenber.

For a brochure with course details and other information call 510/642-4151, e-mail [course@unx.berkeley.edu](mailto:course@unx.berkeley.edu) or visit the Institute's web site at [www.unex.berkeley.edu/eng](http://www.unex.berkeley.edu/eng).

## Announcements

### WSSPC Annual Conference

The Western States Seismic Policy Council (WSSPC) Annual Conference 2001 will be held October 21–24 in California at the Radisson Hotel Sacramento. The conference title is "Risk Communication as a Means of Creating Greater Public Awareness and Action." Session themes will include: Plenary Session on Risk Communication with Elected Officials; Coming to Consensus on Seismic Hazards and Risk; Communicating Across Disciplines; Communicating with the Media; and Legal Ramifications of Risk Communication. Sessions will include panel discussions, open forums, and roundtable discussions with audience participation aimed toward action to be taken to reduce risks from earthquakes and related hazards. Other highlights will include an exhibitor fair, breakout sessions and workshops, and presentations of Awards in Excellence for outstanding efforts in earthquake risk reduction.

For more information, contact: Western States Seismic Policy Council, 121 Second Street, Fourth Floor, San Francisco, CA 94105; phone: 415/974-6435; fax: 415/974-1747; e-mail: [wsspc@wsspc.org](mailto:wsspc@wsspc.org); web site: [www.wsspc.org](http://www.wsspc.org).

### Seismic Risk Reduction in the Caribbean Region

The International Conference on Seismic Risk Reduction in the Caribbean Region will be held July 24–27, 2001, in Santiago, Dominican Republic.

The objective of the conference is to provide a forum for reviewing and discussing recent research and advances in seismic hazard assessment in the Caribbean Region.

The conference topics include: Regional and Local Seismicity; Tectonics, Seismic Hazards, and Site Effects; Seismic Zonation and Seismic Microzonation; Soil-Structure Interaction; Seismic Risk and Vulnerability; Updating of Building Codes; Seismic Rehabilitation of Buildings and Other Structures; Urban Planning and Vulnerability Assessment; and Risk Reduction Programs.

The deadline for abstracts was April 15, 2001; however, interested authors should still contact the conference organizers. For more information, contact: CODIA, Regional Norte, Avenida Estrella Sadhalá, Apartado Postal 845, Santiago, Dominican Republic; phone: 809/582-4992; fax: 8009/587-6077; e-mail: [codia.santiago@codetel.net.do](mailto:codia.santiago@codetel.net.do) or [j.lockhart@codetel.net.do](mailto:j.lockhart@codetel.net.do).

## Student Chapter News

### Georgia Tech Hosts Chris Poland

The EERI Student Chapter at the Georgia Institute of Technology recently hosted a visit by Chris Poland as part of the EERI Visiting Professionals Program. Poland's visit provided an excellent opportunity for the students and faculty to meet one of the leaders in the field of structural engineering and EERI's current president.

Poland presented two seminars while visiting Georgia Tech. In the first seminar, which was entitled "The Future of Structural Engineering" and presented to the Department of Civil and Environmental Engineering, Poland covered the history of the structural engineering profession and gave some predictions for the future roles of structural engineers. The second seminar, "Predicting the Performance of Reinforced Concrete Structures," was given to graduate students who were enrolled in an advanced course on Reinforced Concrete Members.

## CALENDAR

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

### 2001

#### MAY

4. Los Angeles Tall Buildings Structural Design Council Annual Meeting, Los Angeles, CA. Info: [bj@bjase.com](mailto:bj@bjase.com) (3/01)

10-11. 2nd ATC-35 National Earthquake Ground Motion Mapping Workshop, San Francisco, CA. Info: [www.atccouncil.org](http://www.atccouncil.org) (3/01)

**14. Fires, Floods & Faults II, San Jose, CA. See page 2. (5/01)**

14-15. NEES Workshop, San Diego, CA. Info: [monitoring.ucsd.edu/ucsdnees](http://monitoring.ucsd.edu/ucsdnees) (4/01)

18. AEG/SCEC Short Course, Los Angeles, CA. Info: [www.scec.org](http://www.scec.org) (4/01)

21-23. ASCE Structures Congress 2001, Washington DC. Info: [www.asce.org/conferences/structures-2001](http://www.asce.org/conferences/structures-2001) (5/99, 8/99)

#### JUNE

4-6. SEM Annual Conference, Portland, OR. Info: [www.sem.org](http://www.sem.org) (9/00)

12-14. IABSE Conference on Cable-Supported Bridges, Seoul, Korea. Info: [secretariat@iabse.ethz.ch](mailto:secretariat@iabse.ethz.ch) (5/00)

17-22. ICOSSAR 2001, Newport Beach, CA. Info: [www.colorado.edu/engineering/ICOSSAR](http://www.colorado.edu/engineering/ICOSSAR) (6/00)

25-26. ROSE School Seminar, Pavia, Italy. Info: [spadino.unipv.it/rose.html](http://spadino.unipv.it/rose.html) (4/01)

#### JULY

**24-27. Seismic Risk in Caribbean Region, Santiago, Dominican Republic. See page 6. (5/01)**

#### AUGUST

7-10. International Tsunami Symposium, Seattle, WA. Info: [www.pmel.noaa.gov/its2001](http://www.pmel.noaa.gov/its2001) (7/00)

12-17. SMiRT Conference, Washington, DC. Info: [www.engr.ncsu.edu/SMIRT\\_16](http://www.engr.ncsu.edu/SMIRT_16) (7/00)

16-19. International Conference on Engineering Materials, San Jose, CA. Info: [mcmullin@email.sjsu.edu](mailto:mcmullin@email.sjsu.edu) (3/00)

29-31. IABSE Conference on Wooden Structures, Lahti, Finland. Info: [www.iabse.ethz.ch](http://www.iabse.ethz.ch) (8/00)

#### SEPTEMBER

4-6. ERES 2001, Malaga, Spain. Info: [www.wessex.ac.uk/conferences/2001/eres01/](http://www.wessex.ac.uk/conferences/2001/eres01/) (11/00)

**26-29. SEAOC Annual Convention, San Diego, CA. See page 5. (5/01)**

#### OCTOBER

**2-5. International Seismic Seminar, Assisi, Italy. See page 2. (5/01)**

3-5. Modelling and Simulation in Civil Engineering, Paris, France. Info: [www.enpc.fr/caquot/](http://www.enpc.fr/caquot/) (9/00)

7-10. SDEE'2001, Philadelphia, PA. Info: [www.drexel.edu/sdee2001](http://www.drexel.edu/sdee2001) (9/00)

**7-11. Seismic Systems for Concrete Structures, Rome, Italy. See page 2. (5/01)**

**21-24. WSSPC Annual Meeting, Sacramento, CA. See page 6. (5/01)**

#### DECEMBER

9-11. CTBUH International Conference, London, UK. Info: [www.ctbuh.org](http://www.ctbuh.org) (4/01)

### 2002

#### FEB

6-9. 2002 EERI Annual Meeting, Long Beach, CA.

#### JUNE

10-12. 3rd International Conference on Composites in Infrastructure, San Francisco, CA. Info: [www.az-icci.org](http://www.az-icci.org) (3/01)

#### JULY

21-25. 7th National Conference on Earthquake Engineering, Boston, MA. Info: [www.eeri.org](http://www.eeri.org) (9/99)

#### SEPTEMBER

9-13. 12th European Conf. on Earthquake Engineering, London, UK. Info: [12ECEE@ice.org.uk](mailto:12ECEE@ice.org.uk) (9/00,12/00)

### News of the Profession

## New Zealand Society for Risk Management

The New Zealand Society for Risk Management was established in September 2000 and held its first Annual General Meeting on March 5, 2001, in Wellington.

The objectives of the society are to: (1) promote the principals and theory of risk management, (2) bring together persons and organizations involved in all aspects of risk management, (3) encourage the development and application of best practice in risk management methodology, including approaches that are appropriate in the New Zealand context, (4) develop knowledge about the management of risk, (5) expand communication about risk management practice between organizations involved in risk management, both within New Zealand and in the wider international risk management community, (6) improve the quality of management practice, and (7) stimulate interest in risk management as a means of improving the quality of life, environmental quality, and economic efficiency.

There has been strong interest in the new society, with membership quickly growing to about 200 from the private and public sectors and academia. For more information on membership and the society, contact the secretary at [secretary@risksociety.org.nz](mailto:secretary@risksociety.org.nz) or see the web site: [www.risksociety.org.nz](http://www.risksociety.org.nz).

## Subscribing Member News

### EBAA Iron Sales, Inc.

EBAA Iron Sales, Inc., an EERI Subscribing Member since September 2000, is a manufacturer of joint restraint products for ductile iron and PVC pipe. The firm has ductile iron foundries where a wide range of products for restraining standardized AWWA mechanical joint and push-on joints are manufactured.

EBAA Iron Sales started out in 1964 as a one-man shop in a basement in Dallas, Texas, under the name Earl Bradley and Associates. Their first patent was received in 1968. The company opened three foundries in Texas and Georgia, and changed its name to EBAA Iron Sales, Inc. It now has some of the most modern ductile iron-casting facilities in the United States.

EBAA has a full range of product sizes (from 2" to 48") available for installation during and after pipeline installation. Pipeline designers have a method for utilizing restraint in their pipeline design, which eliminates the need for thrust blocks.

EBAA also has a specialty family of products that protects pipelines in areas that are subject to differential movement, such as settlement or seismic shaking. The Flex-Tend® family of flexible expansion joints is available in many variations to offer protection for specific applications.

Many of EBAA's products have been listed and approved by Underwriters Laboratories and Factory Mutual. For more information, see EBAA's web site at [www.ebaa.com](http://www.ebaa.com).

## Obituary

### Blair Tulloch (1918–2000)

The Institute recently became aware that long-time EERI member Blair Tulloch died on September 19, 2000. He was chairman and past president of Tulloch Construction, Oakland, California, one of the state's leading construction firms.

He was past president of the East Bay Structural Engineers Association and the East Bay District of Associated General Contractors. He had also chaired the California Construction Advancement Program.

Tulloch had been indefatigable despite suffering from an early age with Parkinson's disease. At the age of 82, he was still involved in his firm's day-to-day business and was always active in community and professional organizations.



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