



**EARTHQUAKE ENGINEERING
RESEARCH INSTITUTE**

NEWSLETTER

Editor Stephanie King
Associate Editors Sarah Nathe
Gerald Brady
Editorial Assistant Eloise Gilland

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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>

News of the Institute

Be Sure You Have Renewed

Has your membership lapsed? This issue may be the last *Newsletter* you receive if you have NOT renewed your EERI membership for the year 2000! Also, you will not want to miss out on the forthcoming special issue of *Earthquake Spectra*, Volume 16, Number 1, on Seismic Design Provisions and Guidelines.

Another renewal notice has been mailed to members who have not yet responded. If you know this applies to you, you may renew by fax (510/451-5411) or e-mail (eeri@eeri.org) with a VISA or MasterCard. If you're not sure whether you have renewed or you lost your first notice, e-mail Xena at the EERI office (xena@eeri.org).

News of the Institute

Annual Meeting Highlights

Registration forms will be mailed in early March for the 52nd Annual Meeting, *Reducing Losses for Infrequent but High-Consequence Earthquakes*, to be held in St. Louis May 31 – June 3, 2000. Registration information will also be available on the EERI web site (www.eeri.org).

The keynote speaker of the opening session on “The Past and the Future in Hazards Mitigation” will be FEMA Director James Lee Witt. During lunch, Priscilla Nelson, Director of the Civil and Mechanical Systems Division at NSF, will speak on “The Future of Earthquake Engineering Research at the National Science Foundation.”

Technical Committee Forums, an innovative session this year, will be held on Friday afternoon. Sessions will include a forum sponsored by the Research Policy Committee, another on societal issues, and a forum entitled “Contributions of Science, Engineering, and Technology toward a Sustainable Built Environment.” The planned format of these 1.5-hour sessions is a brief introduction followed by open discussion. There will also be a technical overview of the Taiwan and Turkey earthquakes by the Learning From Earthquakes Committee,

This year all students are invited to attend a special gathering hosted by Scott Roark, President of the Washington University student chapter.

Other sessions will include:

- Building Retrofit, Research and Practice
- Seismic Hazard: The Past and the Future in Mid-America
- Insuring against Earthquake Losses in Mid-America
- Transportation Retrofits and Network Vulnerability
- The Future of Earthquake Engineering

Participants will have a choice of two field trips on Saturday (included in the registration fee). The first will be a tour of the Engineering and Seismology Laboratories at Washington and St. Louis Universities. Concurrently, a walking tour of the St. Louis Arch, Eads Bridge, and Old Courthouse will be offered.

Following the field trips, a tour of the Anheuser-Busch Brewery will be available for a small fee.

Be sure to stay over Saturday night, June 3, so you don't miss major league baseball — Mark McGwire and the St. Louis Cardinals will play the Cleveland Indians at Busch Stadium, just a short distance from the hotel. EERI has reserved a block of tickets; they may be purchased with your conference registration.

It definitely will be a rousing way to end a stimulating week!





National Earthquake Hazards Reduction Program

Announcements

National Digital Library

The National Science Foundation's Division of Undergraduate Education has announced a new program focusing on the development and implementation of a national digital library that will provide online resources and services to enhance science, mathematics, engineering, and technology education at all levels. The first deadline for proposals will be April 14, 2000. The program solicitation is available electronically at www.nsf.gov/cgi-bin/getpub?nsf0044.

Publications

Global Seismic Hazard Map

The U.S. Geological Survey and the Swiss Seismological Service have released the first quantitative map of global seismic hazard. The *Global Seismic Hazard Map* is a product of the Global Seismic Hazard Assessment Program (GSHAP), launched in 1992, which was part of the United Nations International Decade for Natural Disaster Reduction. Hundreds of scientists from most of the world's countries cooperated to produce the map. The map depicts the peak ground acceleration that has a 10 percent chance of being exceeded in the

next 50 years.

The International Lithosphere Program started the Global Seismic Hazard Assessment Program, with support from the International Council of Scientific Unions, as a demonstration project of the International Decade for Natural Disaster Reduction. Support for the map also came from NATO, UNESCO, the International Association of Seismology and Physics of the Earth's Interior, the European Council, the European Union, the International Geological Correlation Program, INTAS (an association of the European Community for promoting science), ETH Hoengerberg, Geoforschungs-Zentrum Potsdam, the China Seismological Bureau, the Instituto Nazionale di Geofisica, and the U.S. Geological Survey. The GSHAP map and all associated documentation, including regional reports, maps of seismicity, source characterization information, and GSHAP yearly reports, are available via the Internet through the GSHAP web page, seismo.ethz.ch/GSHAP/. While supplies last, free copies of the *Global Seismic Hazard Map* may be obtained from: USGS/CRGHT, MS 966 Box 25046, Denver, CO 80225 USA; gshapmap@usgs.gov.

New USGS Circular

United States Geological Survey (USGS) Circular 1193, *Implications for Earthquake Risk Reduction in the United States from the Kocaeli, Turkey, Earthquake of August 17, 1999*, is now available. The 64-page report by representatives from the USGS, the National Institute of Standards and Technology (NIST), and the U.S. Army Corps of Engineers is free and can be ordered from: USGS, Information Services, Box 25286, Federal Center, Denver, CO 80225. It can also be viewed at the following web site: greenwood.cr.usgs.gov/pub/circulars/c1193.

Announcements

Advanced HAZUS Training

FEMA Region IX, in partnership with Risk Management Solutions, Inc. (RMS), is offering Advanced HAZUS Training for Geographic Information System Professionals. The class will be offered twice, March 7-9, 2000 and March 14-16, 2000 at the offices of RMS, 155 Jefferson, Menlo Park, California. In addition, MapInfo, FEMA and RMS will offer one-day MapInfo classes on March 10 and March 13.

All classes are free of charge. Attendees will receive HAZUS 99 software, databases, a technical manual, a user manual on CD-ROM, and a course curriculum manual. Class exercises and examples will focus on the San Francisco Bay Area. Attendees are responsible for all travel and hotel expenses. The class will be taught by three experts in their professional fields: Ivan Wong, Seismologist; Brian Kehoe, Structural Engineer; and Jawhar Bouabid, Civil Engineer and HAZUS Software Developer.

To register for any of these classes, send an e-mail to both: **James.Buika@fema.gov** and **Ivan_Wong@urscorp.com**. In the e-mail message, please include: which class dates you prefer; if you are an ArcView or MapInfo user (or neither); and vital affiliation and contact information. Class seating is limited to 24. A waiting list will be developed for each class, and FEMA IX personnel will determine final class lists. Please contact Jim Buika, FEMA, at James.Buika@fema.gov with questions about the classes. To join the HAZUS User Group, please visit www.hazus.org. The web site also contains information regarding course location, with a map. A draft final agenda will be posted to the web site prior to each class.

Announcements

ATC-PEER Workshop on Near-Field Earthquake Shaking

The Applied Technology Council (ATC) and the Pacific Earthquake Engineering Research (PEER) Center announce the upcoming U.S.-Japan Workshop on the Effects of Near-Field Earthquake Shaking, to be held March 20-21, 2000 at the Radisson Miyako Hotel in San Francisco.

The purpose of the workshop is to disseminate new information and research data on the effects of near-field shaking in urban areas. The two-day workshop program has been developed for practicing structural and civil engineers, earthquake engineering researchers, educators and students, building regulatory personnel, planners, and disaster-recovery professionals. Presentations will be made by Japanese and U.S. researchers. The workshop is sponsored by PEER; ATC; the Japanese Ministry of Education, Science, Sports, and Culture; and the National Science Foundation.

The workshop registration fee is \$25 for students, \$25 for design professionals who are members of the PEER Business and Industry Program, and \$125 for all others. To register, contact ATC. 555 Twin Dolphin Dr., Suite 550, Redwood City, CA 94065; phone: 650/595-1542; fax: 650/593-2320; e-mail: atc@atcouncil.org.

News of the Profession

12th World Conference a Success

Approximately 2,000 earthquake engineering practitioners and researchers from around the world gathered in Auckland, New Zealand, last month at the 12th World Conference on Earthquake Engineering. The successful and well-organized conference provided an opportunity for attendees to share knowledge and techniques for understanding and mitigating the effects of earthquakes.

The six-day conference featured state-of-the-art presentations prepared by selected specialists invited by the organizing committee; oral presentations in theme sessions, where about 10% of the roughly 2,000 papers were presented; and poster sessions, which provided an opportunity to discuss findings and ideas face-to-face with authors. At the closing ceremony, it was announced that the 13th World Conference on Earthquake Engineering will be held in Vancouver, British Columbia, Canada in 2004.

Through a grant to EERI, the National Science Foundation provided grants to 50 participants to support their travel to New Zealand. The EERI exhibit booth received a great deal of traffic during the six-day conference. At the conference, EERI and IAEE (International Association of Earthquake Engineering) kicked off their joint project on developing an Encyclopedia of the World's Seismically Vulnerable Housing. Look for information on this project in an upcoming issue of the *Newsletter*.

The EERI exhibit at 12WCEE, with staff members (l-r) Eloise Gilland, Publications Manager; Susan Tubbesing, Executive Director; and Marjorie Greene, Special Projects Manager.

News of the Institute

EERI's Information Technology Committee

The EERI Information Technology Committee is seeking to expand its ranks from four to eight members. The committee is charged in part to "ensure quality for electronic products and services consistent with

EERI's tradition of excellence." EERI has done an excellent job of keeping up with information technology trends, and the Institute is committed to staying at the forefront. If you have knowledge in this

area and ideas about how to enhance its use by EERI, please contact the committee chair, Scott McAfee, at scott_mcafee@oes.ca.gov or 510/286-0854. All members, including students, are welcome.

Publications

Applied Behavioral Science

Some Buildings Just Can't Dance: Contemporary Studies in Applied Behavioral Science is the title of a new book written by Richard S. Olson, EERI Member Robert A. Olson, and Vincent T. Gawronski. This book places in full historical and intergovernmental context the public policy response of the City of Oakland (nine major ordinances) to building damage suffered in the 1989 Loma Prieta earthquake. Using a combined nondecision-making and advocacy-coalition approach, the book demonstrates how and why hazardous-structure abatement was kept off the local political agenda prior to the Loma Prieta disaster. The book then demonstrates how and why city government in Oakland became proactive on the problem of earthquake damage, and more importantly, earthquake-vulnerable buildings in general after the disaster. The book can be ordered from www.amazon.com for \$78.50 plus shipping.

Announcements

Workshop on Bridge Analysis and Design

A two-day workshop, *Seismic Analysis, Design, and Retrofitting of Bridges*, will take place March 29-30, 2000, with an optional half day of SEISAB software training on March 31. The workshop and software training will be conducted by Imbsen & Associates, a consulting firm with experience presenting courses on the seismic design of highway bridges for the Federal Highway Administration and other entities and organizations throughout the United States. Imbsen & Associates professionals will be joined by experts in earthquake engineering, soil dynamics, bridge design, and seismic retrofitting. The workshop and software training will be held at 415 Davis Hall, University of California, Berkeley. The fee for the two-day workshop is \$795. The half day of software training costs \$50. For more details or to enroll, call 510/643-6843 or see the web site www.unex.berkeley.edu/enroll.

News of the Institute

Endowment Fund Donors

EERI has received the following contributions to the Endowment Fund.

\$200-\$499

Comartin-Reis Consulting Engineers
Shunsuke Sugano

\$100-\$199

Thalia Anagnos
William Lobe-Quintero

Other Amounts

Robert Chew
David W. Cocke
Peter Mote
David Sykora

Call for Abstracts

International Symposium on Deformation Measurements

The 10th International Symposium on Deformation Measurements, organized by Commission 6 of the International Federation of Surveyors (FIG) will be held in Anaheim, California, March 19-22, 2001.

The symposium will emphasize the many recent advances in crustal deformation studies for both scientific and engineering studies. Representatives of the international surveying and engineering communities should attend to learn about the latest in automated monitoring of large engineered structures, and regional crustal deformation for earthquake research.

Half-page abstracts are due by October 15, 2000. Additional information is available at the following web sites: www.cern.ch/CERN/Divisions/EST/SU/FEDINTGEOM/WG6-1/Symposium.html and www.pasadena.wr.usgs.gov/scign/fig/.

Announcements

ASD 2000

The International Conference on Advances in Structural Dynamics will be held in Hong Kong December 13-15, 2000. The conference is organized by the Department of Civil and Structural Engineering of the Hong Kong Polytechnic University, and sponsored by the Hong Kong Institution of Engineers and the Hong Kong Society of Theoretical and Applied Mechanics. The three-day program will take place at the five-star Harbour Plaza Hotel. The abstract deadline has passed, but late submission of high-quality abstracts will be considered. There will be eight general sessions on earthquake engineering, wind engineering, dynamics of bridges, vibration control and smart materials, health monitoring and damage detection, nonlinear and stochastic dynamics, dynamics of special structures and members, and computational structural dynamics. There will also be special theme sessions with the following titles: Dynamics and Controls of Structures, Distant Earthquakes, Static and Dynamic Live Loads on Bridges, Aerodynamics of Buildings and Vibration Mitigation, and Semi-Active Control Systems. English will be the official language. For more information, contact Y.L. Xu at ceylxu@polyu.edu.hk.

News of the Membership

Jonathan Bray Wins Shamsher Prakash Research Award

EERI member Jonathan Bray, Professor of Civil Engineering at the University of California at Berkeley, has been selected for the 1999 Shamsher Prakash Research Award for his contributions in physical and numerical modeling and response of earth structures and soil deposits to ground motion.



Jonathan Bray

The Shamsher Prakash Foundation is soliciting nominations for the 2000 Shamsher Prakash Research Award for young (less than 40 years old) engineers, scientists, and researchers. Nominations are due on or before May 31, 2000. The candidates should be specialists in geotechnical engineering or geotechnical earthquake engineering, have had significant independent contributions to the field, and show promise of future excellence. The award includes a cash prize of \$1001. All nominations will be reviewed by a judging committee of international experts, and the award will be announced by September 30, 2000.

Nomination packages can be obtained from Sally Prakash, Honorary Secretary, Shamsher Prakash Foundation, 1111 Duane Ave., Rolla, MO 65401; fax: 573/364-5572; e-mail: sallyp@umr.edu.

News of the Profession

SCEC Summer Internship Program

The Southern California Earthquake Center Undergraduate Summer Internship Program provides opportunities for undergraduate students to conduct research with scientists who are engaged in earthquake science. The program has three major goals: to provide hands-on experience in the earth sciences for undergraduates; to provide insights into career opportunities in research and education; and to interest, train, and retain under-represented minority undergraduate students and women in earth-science-related fields of study. Interns will receive a \$4,000 stipend for 10-12 weeks of full-time research. The deadline for applications is April 7, 2000. Complete program details, including the application, are posted on the SCEC web site at www.scec.org.

If you are an SCEC scientist and interested in being a mentor for an intern, please contact Mark Benthien (213/740-0323, benthien@usc.edu) as soon as possible. The students must describe their project in their applications, which are due on April 7, so they need to contact and choose potential mentors soon. To do this they need to know who is interested in being a research mentor and what type of projects are possible. Last year's projects included, for example, paleoseismology, computer science, offshore fault studies, seismic hazard analysis, and paleomagnetism.

If you have a project for an undergraduate earth-science student this summer, please send a brief (50 words) description, which will be posted on the internship web page.

News of the Profession

Employment Opportunities

The Berkeley Seismological Laboratory, University of California, Berkeley. Full-time assistant research geophysicist position, available April 1, 2000, to conduct research on regional deformation and earthquakes using GPS and other data.

Responsibilities include supervising the operation and continued development of the UC Berkeley component of the continuous GPS BARD Network, and coordination of the BARD program with other institutions. This position is initially for one year, with the possibility of extension.

Deadline for applications is March 10, 2000. Contact: Barbara Romanowicz, Director, Berkeley Seismological Laboratory, University of California, 207 McCone Hall, Berkeley, CA 94720-4760.

Risk Management Solutions, Menlo Park, California. Engineer/Geologist (reference 00-036) to assist in development of probabilistic seismic hazard models, interact with GIS group in creation of geologic site effect maps, and analyze loss estimates for financial portfolios using GIS, DB, and RMS proprietary tools to validate integrated seismic risk models.

Contact: Risk Management Solutions, Inc., Human Resources, 149 Commonwealth Drive, Menlo Park, CA 94025; fax: 650/617-6565; e-mail: recruiting@riskinc.com.



News of the Institute

EERI Annual Meeting – Surprisingly Affordable

This year's Annual Meeting attendees will be pleased to learn that airfares to St. Louis are low. For example, a survey of available advance purchase fares from the Los Angeles area found round-trip fares beginning at \$220, while fares from the San Francisco Bay Area start at \$250. Lower fares for some flights may be available to seniors or through Internet specials.

Once in St. Louis, a shuttle is available to take you to the Adams Mark Hotel for \$10. Travelers with little baggage have the option of taking the Metrolink for under \$2 and getting off at the Arch stop, across the street from the hotel.

Room rates at the Adams Mark are also competitive. By identifying yourself as an EERI Annual Meeting attendee, you will be eligible for a \$109-per-night single-occupancy room rate, \$119 for double occupancy. The St. Louis Adams Mark has recently been awarded the Meetings and Conventions 1999 Hotel Gold Key Award, and has also been named one of the top convention hotels by Meeting News magazine.

Publications

Dynamic Structural Design

EERI member Izuru Takewaki of the Graduate School of Engineering at Kyoto University, Japan, has written a book entitled *Dynamic Structural Design: Inverse Problem Approach*. The inverse problem formulations overcome several problems inherent in the traditional structural design process, allowing designers to reach optimal solutions more quickly and directly than through conventional trial-and-error procedures, while taking dynamic soil-structure interaction into account in their planning. Each chapter contains simple models to illustrate the concepts and formulations, making the book useful for both students and practicing engineers. The 256-page volume is available for \$145 and can be ordered from Computational Mechanics, Inc. by phone: 978/667-5841; fax: 978/667-7582; or web site: www.compmech.com. A 20% discount is available to EERI members who place orders within one month of this announcement appearing in the *Newsletter*.

News of the Profession

Accelerographs in Japan

The Port and Harbour Research Institute, Ministry of Transport, Japan, maintains a network of 91 strong-motion accelerographs. After each significant earthquake, the Institute issues a report containing accelerograms and spectra. It has recently issued a 696-page report on the 91 accelerograph stations located at 60 ports. The report includes the following information for each accelerograph site: a map showing the location of the site; a plan showing the structures at the site; the address of the accelerograph location; the office servicing the instrument; instrument constants and history of observation; figures showing the foundation of the accelerograph; boring log; seismic wave velocity measurements; soil properties; and photos of the instrument and its location. For more information about the report, contact: Susumi Iai, Chief of Earthquake Disaster Prevention Laboratory, Structures Division; fax: +81-468-44-0839; e-mail: ichii@ipc.phri.go.jp.

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**.

2000

MARCH

7-9. Advanced HAZUS Training, Menlo Park, CA. See page 2. (3/00)

14-16. Advanced HAZUS Training, Menlo Park, CA. See page 2. (3/00)

20-21. Workshop on Near-Field Shaking, San Francisco, CA. See page 3. (3/00)

21-22. SRRS2 Conference, Fullerton, CA. Info: www.srrs2.com (2/00)

22-24. 6th ASCCS International Conf. on Steel-Concrete Composite Structures, Los Angeles, CA. Info: yanxiao@usc.edu (2/99)

26-30. Bridge Engineering Conf., Sharm El-Sheikh, Sinai, Egypt. Info: www.iabse.ethz.ch (7/99)

APRIL

9-12. Seismological Society of America Annual Meeting, San Diego, CA. Info: www.seismosoc.org (8/99)

10-11. Structural Damage ID Short Course, Washington, DC. Info: www.la-dynamics.com (2/00)

26-29. Third International Conference on GDIN, Ankara, Turkey. Info: www.meetu.edu.tr/home/wwwdmc (2/00)

MAY

5-6. 5th Conference on Tall Buildings in Seismic Regions, Los Angeles, CA. Info: Marshall Lew, mlew@lawco.com (11/99)

8-10. Structures Congress 2000, Philadelphia, PA. Info: www.asce.org/conferences/structures2000

(9/99)

15-17. ASDSO Western Region Annual Conference, Seattle, WA. Info: djsd461@ecy.wa.gov (2/00)

21-24. Engineering Mechanics 2000 Conference, Austin, TX. Info: www.ce.utexas.edu/em2000 (9/99)

21-24. ASCE Forensics 2000 Conference, San Juan, Puerto Rico. Info: www.asce.org/conferences/forensics (12/99)

28-June 2. Composite Construction in Steel and Concrete IV, Banff, Alberta, Canada. Info: www.uefoundation.org (7/99)

31-June 3. EERI Annual Meeting, St. Louis, MO. Info: EERI office, eeri@eeri.org, www.eeri.org. See pages 1 and 6. (7/99, 3/00)

JUNE

5-6. Structural Damage ID Short Course, Madrid, Spain. Info: www.la-dynamics.com (2/00)

18-21. International Conference on Monte Carlo Simulation, Monte Carlo, Monaco. Info: www.uibk.ac.at/c/c8/c810/conf/mcs_2000.html (10/99)

19-22. Conference on Vibration Theory and Applications, Xi'an, China. Info: fax +86-29-3237910 (4/99)

JULY

24-26. ASCE Probabilistic Mechanics and Structural Reliability Conference, Notre Dame, IN. Info: www.nd.edu/~pmc2000 (6/99)

24-26. Structural Stability Research Council Annual Meeting, Memphis, TN. Info: www.ce.ufl.edu/~inssrc/ssrc.html (8/99)

AUGUST

16-19. SEAOC 2000 Annual Meeting, Vancouver, British Columbia. Info: www.seaonc.org/2000convention.html (2/00)

17-21. 5th International Sympo-

sium on Environmental Geotechnology and Global Sustainable Development, Minas Gerais, Brazil. Info: www.5iseggsd.eng.ufmg.br (2/99)

21-24. STESSA 2000 Conference, Montreal, Canada. Info: Robert Tremblay, tremblay@struc.polymtl.ca (3/99)

SEPTEMBER

17-22. WSSPC Natural Hazards Conference, Seattle, WA. Info: www.wsspc.org (2/00)

18-21. 16th Congress of the International Association of Bridge and Structural Engineering, Lucerne, Switzerland. Info: www.iabse.ethz.ch (1/99)

21-24. 43rd Annual Meeting, Association of Engineering Geologists, San Jose, CA. Info: www.aegweb.org (3/00)

25-26. 3rd International Conference on Ground Improvement Techniques, Singapore. Info: fax +65-235-3530, cipremie@signet.com.sg (7/99)

OCTOBER

5-7. Deep Foundations Institute International Conference and Exposition, New York, NY. Info: www.dfi.org (11/99)

11-13. Risk 2000 Conference, Bologna, Italy. Info: www.wessex.ac.uk (1/00)

NOVEMBER

7. Kobori Symposium, Kyoto, Japan. See page 8. (3/00)

7-9. 5th International Conference on Corporate Earthquake Programs, San Jose, CA. Info: Steven Vukazich, vukazich@email.sjsu.edu (11/99)

12-15. 6th International Conf. on Seismic Zonation, Palm Springs, CA. Info: EERI office, eeri@eeri.org, www.eeri.org (6/98, 12/99)

DECEMBER

13-15. ASD 2000, Hong Kong. See page 4. (3/00)

2001**JANUARY**

7-12. Conference on Computer Methods and Advances in Geomechanics, Tucson, AZ. Info: epd@engr.arizona.edu, web site: intermix.engr.arizona.edu/~epd/#IACMAG (11/99)

FEBRUARY

7-10. 2001 EERI Annual Meeting, Monterey, CA. Info: www.eeri.org (2/00)

MARCH

19-22. International Symposium on Deformation Measurements, Anaheim, CA. See page 4. (3/00)

21-23. Safety, Risk, and Reliability - Trends in Engineering, Malta. Info: malta.2001@iabse.ethz.ch, web site: www.iabse.ethz.ch/conferences/malta (11/99)

26-31. 4th International Conference on Recent Advances in Geotechnical Earthquake Engineering and Soil Dynamics, San Diego, CA. Info: prakash@novell.civil.umr.edu (6/99, 2/00)

MAY

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

AUGUST

16-19. International Conference on Engineering Materials, San Jose, CA. See page 8. (3/00)

2002**JULY**

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



Announcements

Symposium in Honor of Takuji Kobori

Earthquake Engineering in the Next Millennium is the title of a symposium in honor of Takuji Kobori that will be held on November 7, 2000 in Kyoto, Japan. The symposium is sponsored by the California Universities for Research in Earthquake Engineering (CUREe) and the Kobori Symposium Japan Committee. Takuji Kobori, a professor emeritus at Kyoto University, has authored over 350 technical papers since his work was first published in 1947. His work has been highly influential on the direction of earthquake engineering research worldwide. Presentations at the symposium will focus on topics related to Professor Kobori's career, and will look forward to how these topics might evolve in the next millennium. Details of the technical

program and further information on the symposium will be contained in the second announcement that will be distributed in June. For further information and to receive the second announcement, contact Yoshiyuki Suzuki at Kyoto University (suzuki@zeisei.dpri.kyoto-u.ac.jp) or Wilfred Iwan at the California Institute of Technology (wdiwan@caltech.edu).

Call for Abstracts

Second International Conference on Engineering Materials

The Second International Conference on Engineering Materials will be held in San Jose, California, August 16-19, 2001. The conference is jointly sponsored by the Japan Society for Civil Engineers, the Canadian Society for Civil Engi-

neering, and the American Society of Civil Engineers. Abstracts discussing the properties and behavior of traditional and innovative civil engineering materials are being solicited. Suggested topics include: high performance concrete; materials for waste management; environmentally friendly materials; recycled concrete aggregate; life-cycle design; evaluation techniques; repair and rehabilitation; polymer-modified concrete; new cementitious materials; and reinforcing, composite or innovative grouting materials. Interested authors should submit four copies of a 200-word abstract by March 30, 2000 to Kenji Sakata, Faculty of Environmental Science and Technology, Okayama University, 3-1-1, Tsushima-naka, Okayama, 700-8530, Japan.

For additional information, contact Kurt McMullin at San Jose State University (mcmullin@email.sjsu.edu, 408/294-3855).



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