EERI Acts on Behalf of NEHRP Reauthorization

On May 8, EERI President Thomas D. O’Rourke will testify before Congress, at a House Science Committee Research Subcommittee hearing, to advocate that Congress support reauthorization and increased funding for an expanded National Earthquake Hazards Reduction Program (NEHRP). On behalf of EERI, O’Rourke has also written to members of Congress, specifying that increased funding for NEHRP would include the Advanced National Seismic System (ANSS) and the George E. Brown Jr. Network for Earthquake Engineering Simulation (NEES). In the letter, O’Rourke states that a strong NEHRP — including proactive implementation through leadership, incentives, requirements, and new public policy — needs to be maintained. EERI’s immediate concern is the woefully inadequate funding included in President George Bush’s Fiscal Year 2004 budget, such as the proposed 50% cut in the ANSS budget. The current economic crisis is threatening to stall programs that are key to protecting the country from earthquakes. ANSS was authorized for $170 million for initial development and $45 million per year for ongoing maintenance once it is built. While ANSS can be built in stages, the proposed funding level of $2 million for 2004 is far too low for meaningful results. EERI advocates a significant increase to at least $10 million in the FY04 appropriation, and then a quick ramp-up to the $35 million level. Failure to do so would risk losing the opportunity to understand the consequences of strong shaking during the next significant event.

O’Rourke points out that at a time when the United States is faced with many kinds of threats, we cannot afford to allow earthquakes to further increase our vulnerability. Over 75 million Americans in 39 states are vulnerable to potentially damaging earthquakes. The nation faces inevitable earthquakes that could result in thousands of lives lost and cost $100 to $200 billion each. EERI envisions the arrest of the growth of this risk and its reduction to an acceptable level, requiring continuous research, expanded seismic monitoring, and nationwide mitigation.

For the past 25 years, NEHRP has provided resources and leadership that have improved both the understanding of the sources of earthquake risk and the tools required to arrest its growth. In spite of all the good work, the earthquake risk continues to grow because appropriate building standards have not been implemented in many parts of the country and because the cost of strengthening existing buildings and structures is considered too high. This trend will not be reversed until earthquake-prone communities in all 39 vulnerable states understand their need for seismic safety, and new techniques are developed to better define and reduce earthquake risks.

EERI’s recent study, “Securing Society Against Catastrophic Earthquake Losses: A Research and Outreach Plan in Earthquake Engineering,” found that if current funding levels remain constant, it will take up to 100 years to secure the nation against unacceptable earthquake risks. If currently modest funding for NEHRP is tripled, the time required to safeguard the country could be reduced to less than two decades. ANSS is a key component needed to achieve this goal. Authorized by Congress in 2001, ANSS would provide a

continued on page 2
NEHRP Reauthorization

continued from page 1

nationwide network of 7,000 shaking monitors on the ground and in buildings in seismically active urban areas. ANSS data have the potential to save lives by generating ShakeMaps, which are used by emergency responders to direct the deployment of search and rescue missions. ShakeMaps save money because within minutes of an event, they provide information about where the greatest damage likely is, thus enabling a best response to be planned. ANSS data would enable rapid identification of facilities that are either safe to reoccupy or potentially dangerous. Installing these instruments after the next event will be too late. A major earthquake anywhere in the country will disrupt the national economy, and reducing that disruption would be a national benefit.

NEES will expand the state of knowledge through new methods for experimental and computational simulation. Unfortunately, funds to carry out the research that will make use of this technology have not yet been authorized. An immediate investment in NEES is needed to reduce the cost of seismic design and strengthening to affordable levels and stimulate significant mitigation activities.

EERI urges Congress to reauthorize NEHRP with increases in the spending levels for each agency consistent with the NEHRP Strategic Plan and the EERI Research and Outreach Plan. O’Rourke noted that “we cannot afford to delay the work needed to reduce our vulnerability to earthquakes. Now is the time to provide security for the country against catastrophic earthquakes — before, not after, a major earthquake has taken thousands of lives and sent economic shock waves around the world.”

A Fact Sheet on EERI’s position on NEHRP reauthorization is available through a link on EERI’s home page at www.eeri.org.

Subscribe to NEHRP Research and Outreach

Simpson Gumpertz & Heger, Inc.

EERI is pleased to announce that Simpson Gumpertz & Heger (SGH), a leading consulting engineering firm, has become a subscribing member of the Institute this year. With 140 professional engineers and technical staff, and offices in Boston, Washington, D.C., and San Francisco, SGH designs, investigates, and retrofits buildings and structures of all types for clients worldwide. Its staff develops and implements techniques for advanced analysis, design, and project management. SGH laboratories perform material, mechanical, and environmental testing. With its depth of experience participating on multidisciplinary teams, SGH staff develops timely and economical solutions to engineering challenges. Their principals and project managers average 20 years of employment with the firm.

SGH services include building structure design, sealants and coatings, building investigation, waterproofing, construction engineering, concrete rehabilitation, seismic and blast engineering, hydraulic infrastructure, contemporary curtain walls, materials engineering, historic preservation, precision structures, and moisture migration issues.

News of the Institute

Northern California Chapter Awards

On April 15, EERI’s Northern California Chapter began the second year of its Quake ’06 Campaign by presenting its annual awards for leadership in Earthquake Risk Reduction. More than fifty people attended the monthly chapter meeting, at which two awards were presented. Recipients were:

- the town of Portola Valley for its four decades of demonstrated leadership, innovation, and outstanding progress in earthquake risk reduction in the community since 1967, and
- Christopher Rojahn, executive director of Applied Technology Council, for his leadership, innovation, and outstanding accomplishments over the last three decades, including the development of national earthquake design and analysis provisions for both new and existing buildings.

The chapter’s meeting also featured its second annual 1906 San Francisco Earthquake Commemorative Lecture given by Stephen Tobriner on “The Mysterious Missing Code: Why the 1906 Earthquake Produced No Seismic Code Provisions.” Tobriner is a professor of architectural history in the Architecture Department of the University of California, Berkeley.

Job Opportunity

U.S. Geological Survey

The U.S. Geological Survey in Reston, Virginia, seeks a senior science advisor for earthquake and geologic hazards. The advisor will serve as the bureau program coordinator for the USGS Earthquake Hazards Program and will facilitate collaboration in program development. The advisor will also serve as the program coordinator for the Geomagnetism Program and the Global Seismographic Network.

For application information, visit the web site www.usajobs.opm.gov. Applications must be received by 6/30/03 and should reference announcement No. SL-03-01. For more information, contact C. Lonergan at clonergan@usgs.gov, or call 703/648-7472.
News of the Institute

Highlights of 7th US-Japan Workshop

For three days beginning on March 23, EERI and the Japanese Institute for Social Safety Science (ISSS) convened their seventh workshop focusing on urban earthquake hazard mitigation.

The first workshop, held at Stanford in 1984, initiated an exchange between the two countries that has focused on the unique problems of urban disasters: the interrelationship among densely packed structures; dependence on complex and fragile infrastructure; diverse populations at risk; response; relief; and social and economic recovery in an urban setting.

This year’s workshop, hosted by EERI on Maui, focused on innovations in damage assessment, risk communication, long-term recovery in Kobe and Northridge, high-tech countermeasures, interorganizational coordination in complex urban disasters, translation of earthquake engineering and disaster response to other complex disasters, and earthquake and tsunami mitigation.

A final session addressed the need to collaborate with developing countries to reduce their risks.

The eighty participants from the two countries represented research and practice in the engineering, planning, and social science communities. Each working group discussed innovations in research and applications in the two countries. They then produced recommendations for additional change and opportunities for continued collaboration and research.

Participants’ presentations and group summaries will be documented in workshop proceedings to be published later this year by EERI in CD-ROM format. Presentations are now posted on EERI’s web site at [www.eeri.org/news/Meetings/7usjpw/groups.html](http://www.eeri.org/news/Meetings/7usjpw/groups.html). Group summaries will be added to the site as they are received.

This research and innovation exchange program was funded by the U.S. National Science Foundation and the Federal Emergency Management Agency; and by the Japanese Government’s Fire and Disaster Management Agency, Cabinet Office, Ministry of Education and Science, and the ISSS.

Most of the Working Group #1 participants (l-r): Hidetuko Kanegae, Ayhan Irfanoglu, Charles Kircher, Lind Gee, Hideki Kaji, Marjorie Greene, Kei Horie, Satoshi Tanaka, Tyler Ranf, and Shizuo Mizushima (photo courtesy of S. Mizushima).

Most members of Working Group #7: Takao Nakano, Shigeo Tatsuki, Sarah Nathe, Mituhiro Higashida, and Guna Selvaduray (photo courtesy of T. Nakano).

Publications

Earthquake Engineering Handbook

The International Conference of Building Officials and the National Council of Structural Engineers Associations have announced the publication of the Earthquake Engineering Handbook, published by CRC Press. Covering more than 30 topics, the Handbook deals with the spectrum of disciplines required for mitigation of earthquake effects and design of earthquake-resistant structures. Written by a panel of 36 internationally known experts, 22 of whom are EERI members, the Handbook provides applications and practical information to help solve real-world problems faced by civil, structural, geotechnical, and environmental engineers. The contributing authors present engineering practices, research, and developments in North America, Europe, and the Pacific Rim countries.

Editors Wai-Fah Chen and EERI member Charles Scawthorn assembled the panel of authors from both academic and professional engineering communities. The Handbook is divided into five parts. Part I reviews the basic problem of earthquakes from a historical perspective, provides an overview of the framework within which earthquake risk is managed, and offers an introduction to dynamics. Part II addresses the geoscience aspects. Parts III and IV cover the broad spectrum of structures, and Part V addresses the social and economic impacts of earthquakes.

The 1500-page Earthquake Engineering Handbook is the first professional reference that brings together all of earthquake engineering’s many facets. Its price is $189.95. To place an order, visit [www.crcpress.com](http://www.crcpress.com). The Handbook is the 24th volume in CRC Press’ series on New Directions in Civil Engineering.

Most of the Working Group #1 participants (l-r): Hidehiko Kanegae, Ayhan Irfanoglu, Charles Kircher, Lind Gee, Hideki Kaji, Marjorie Greene, Kei Horie, Satoshi Tanaka, Tyler Ranf, and Shizuo Mizushima (photo courtesy of S. Mizushima).
Announcements

Alaska Earthquake Is Largest of 2002

The magnitude 7.9 central Alaska quake that occurred on November 3 was the world's biggest earthquake in 2002, and the largest to hit the United States since 1996, when another 7.9 event struck Alaska's Andreanof Islands.

According to the U.S. Geological Survey, in 2002, 85 significant earthquakes killed 1,711 people around the world. The deadliest earthquake of the year was a magnitude 6.1 in Afghanistan that killed at least 1,000 people. 2002 saw 13 major quakes (magnitude 7.0 to 7.9) and no great earthquakes of magnitude 8 or higher. In the United States, earthquakes pose significant risk to 75 million Americans in 39 states.

The Alaska quake caused $20 million in damage and temporarily suspended operation of the Trans-Alaska Pipeline (see the eight-page preliminary report in the February 2003 Newsletter). Lake Pontchartrain in Louisiana sloshed about, and wells in Washington, Idaho, Louisiana, Oklahoma, Missouri, Wisconsin, and Pennsylvania produced muddy water as a result of the Alaska temblor.

One noteworthy aspect of this earthquake was what didn't happen — the Trans-Alaska pipeline did not rupture. Long-term research and a commitment to hazard preparedness and mitigation played key roles in protecting the pipeline. It was designed and built to withstand the effects of a magnitude 8.0 earthquake with up to 20 feet of movement at the pipeline. These standards proved to be on target for this event. "Mother Nature lacks the malice of terrorists, but compensates with endless energy and dogged persistence. We must be prepared," said USGS Director Chip Groat.

The USGS locates about 50 earthquakes each day, or almost 20,000 a year. Significant earthquakes have a magnitude of 6.5 or greater or cause fatalities, injuries, or substantial damage. On average, there are 18 major earthquakes (magnitude 7.0 to 7.9) and one great earthquake (8.0 or higher) each year worldwide. Real-time earthquake information can be found at earthquake.usgs.gov.

---

Nominations for Tsunami Mitigation Award

The National Tsunami Hazard Mitigation Program announces the call for nominations for its Richard H. Hagemeyer Tsunami Mitigation Award. Nominations are encouraged for projects and programs that address one or more of the following areas of emphasis:

- improving tsunami education
- providing tools and training for construction, land use planning, or emergencies
- planning and response in tsunami inundation zones.
- creating and strengthening links within and among coastal communities and states to support long-term tsunami mitigation
- improving the tsunami mitigation science infrastructure
- encouraging local innovation and sponsorship of tsunami mitigation programs

For more information, visit www.pmel.noaa.gov/tsunami-hazard/Hagemeyeraward.htm. The deadline for submissions is September 1, 2003.

---

News of the Institute

UPR Student Chapter off to a Great Start

The first semester of existence for EERI's newest student chapter at the University of Puerto Rico (UPR) was remarkable. Chapter President Juan Carlos Virella and Academic Advisor Luis E. Suarez reported that from September through November of 2002, the chapter organized seven lectures. The average number of attendees was about forty, but two lectures attracted more than 150, including one speaker who traveled the longest distance — Ashraf Habibullah, president of EERI subscribing member Computers and Structures in Berkeley, California.

For the second semester, the chapter lined up another seven lecturers from academia and industry.

In addition, the student members were involved in outreach activities with students and teachers from two local middle schools who visited the UPR Department of Civil Engineering and Surveying in November and December. The visitors were introduced to the earthquake phenomenon and its effects on structures and components through audiovisuals and a demonstration on a shake table. The chapter received very positive feedback from the visitors.

The chapter members will continue with K-12 demonstrations, both in their institution and in the schools themselves.

This year the chapter also plans to host a Friedman Family visiting professional sponsored by EERI. Congratulations to the EERI student chapter at UPR for getting off to such a great start!
Pentagon Damage Report Available

Analysis by a team of prominent structural, fire protection, and forensic engineers concluded that the Pentagon in Washington, D.C., possessed a resilient structural system that reduced the damage done by the intentional crash of a hijacked airplane on September 11, 2001.

Released on January 23, 2003, by the American Society of Civil Engineers (ASCE), The Pentagon Building Performance Report showed that following the 9-11 crash, the structural system redistributed the weight of the building and its contents among the columns left standing, thereby limiting the collapse of floors above the point of impact. The team concluded that the Pentagon’s structural performance validates measures to reduce collapse resulting from unlikely events. These measures include continuity, redundancy in design and construction, and spirally steel-reinforced concrete columns that absorb energy from a lateral load.

To order a copy of The Pentagon Building Performance Report, visit www.asce.org.

Announcements

CRSI Foundation Scholarships

The Concrete Reinforcing Steel Institute (CRSI) Foundation is pleased to announce the availability of scholarships for the 2003-2004 academic year. The scholarships are intended to foster the development of practicing engineers in the field of site-cast reinforced concrete construction. Scholarships are $2,500 for seniors and $3,000 for incoming graduate students. Applications are due by June 2, 2003. For more information contact Lisa M. Kelly at lkelly@crsi.org or call 847/517-1200, ext. 14.

Publications

SAC Steel Project Publications Available from ATC Online Store

The SAC Joint Venture has announced the immediate availability of all FEMA-funded SAC Steel Project publications and products from the Applied Technology Council’s new online store.

Funded by the Federal Emergency Management Agency (FEMA), the SAC Steel Project commenced in 1994 after the discovery of brittle fractures in numerous beam-to-column connections in steel-frame buildings in the Los Angeles area, resulting from the January 17, 1994, Northridge, California, earthquake. The project was carried out by the SAC Joint Venture, a partnership of the Structural Engineers Association of California (SEAOC), the Applied Technology Council (ATC), and California Universities for Research in Earthquake Engineering (CUREE; now the Consortium of Universities for Research in Earthquake Engineering).

The available SAC products include (1) a new four-disk CD set containing the lectures given at the SAC Phase II Training Seminars conducted in September 2000; (2) a new three-disk CD set containing 66 SAC Phase II background documents in PDF format describing details of SAC investigations; (3) hard-copy versions of all Phase II background reports; (4) hard-copy versions of the six state-of-the-art reports first published on CD in 2000; (5) expedited service for the SAC Phase II Policy Guide and Design Criteria documents and CDs now available through FEMA; and (6) all previously available reports from Phase I of the SAC Project covering the evaluation, repair, modification, and design of welded steel moment-frame structures.

NEHRP Plan for Post-Earthquake Investigations

A new publication, Plan to Coordinate Post-Earthquake Investigations (U.S. Geological Survey [USGS] Circular 1242), presents a plan to coordinate domestic and foreign post-earthquake investigations supported by the National Earthquake Hazards Reduction Program (NEHRP). The plan, which recommends increased funding for such investigations, is a framework for both coordinating what is to be done and identifying responsibilities. The plan specifies that EERI shall work together with USGS and FEMA on developing a general procedure for establishing a clearinghouse within 24 hours following a significant event. The plan includes measures for (1) gaining rapid agreement on high-priority research opportunities, and (2) conducting the data gathering and field studies in a coordinated manner.

Developed under a USGS cooperative agreement with the Applied Technology Council (ATC), the plan was approved by all four NEHRP agencies (the USGS, the Federal Emergency Management Agency, the National Institute of Standards and Technology, and the National Science Foundation). The plan is based on the outcomes of a March 2001 workshop cosponsored by the USGS, ATC, and EERI.

The plan is available online at geopubs.wr.usgs.gov/circular/c1242/. To obtain free copies, call 1-888-ASK-USGS, or visit the USGS web site geology.usgs.gov/products.html for ordering information.

Visit ATC’s Online Store at www.ATCouncil.org for prices and shipping costs. To request a brochure and current price list, contact ATC, 555 Twin Dolphin Drive, Suite 550, Redwood City, CA 94065; phone: 650/595-1542; fax: 650/593-2320; e-mail: ATC@ATCouncil.org.

Announcements

CRSI Foundation Scholarships

The Concrete Reinforcing Steel Institute (CRSI) Foundation is pleased to announce the availability of scholarships for the 2003-2004 academic year. The scholarships are intended to foster the development of practicing engineers in the field of site-cast reinforced concrete construction. Scholarships are $2,500 for seniors and $3,000 for incoming graduate students. Applications are due by June 2, 2003. For more information contact Lisa M. Kelly at lkelly@crsi.org or call 847/517-1200, ext. 14.
Announcements

Structural Design and Construction Practices Workshop
The 10th U.S.-Japan Workshop on the Improvement of Structural Design and Construction Practices will be held June 30 through July 2, 2003, in Maui, Hawaii. The workshop, sponsored by the Applied Technology Council and the Japan Structural Consultants Association, is designed for practicing structural engineers and researchers to exchange information relating to the improvement of current building design and construction practices in the United States and Japan. Presentations are planned on performance-based design, seismic isolation and damping, blast, and future trends in structural engineering. For more information, visit www.ATCouncil.org.

2003 European Catastrophe Management Summit
The 2003 EQEcat, Inc., European Catastrophe Management Summit will take place June 24-27, 2003, at Hotel Princesa Sofia InterContinental, Barcelona, Spain. The summit will address solutions to the challenges of managing extreme risks faced by insurers, reinsurers, and the financial markets. Some of the topics include:

- European windstorm modeling
- the impact of recent worldwide earthquake research findings
- quantifying and managing terrorism risk
- new CAT reinsurance alternatives
- climate change — how CAT models can help quantify the financial impact, and
- the latest innovations in catastrophe management models.

Speakers will include leading researchers and insurance industry experts as well as EQEcat scientists and engineers. A mixture of lectures, panel sessions, workshops, and networking opportunities will ensure that participants reap maximum benefit from this event. Reservations are required and space is limited. The conference fee is EUR 895.

For more information, contact Ricardo Ciccozzi at +44 20 7377 4501, Neil Catford at +49 6192 979104, or e-mail requests to eqecat@absconsulting.com.

HAZUS Vendor Program
The release of HAZUS-MH in 2003 will be a major milestone in the ongoing development of HAZUS, FEMA’s multihazard risk assessment tool. The anticipated growth in the number of HAZUS users, coupled with the technical sophistication of this loss estimation tool, will place unprecedented demands on FEMA to provide training and technical support services to an expanding and diverse group of users.

In response to the anticipated increase in the number of HAZUS users and the need to provide them with training and technical support, FEMA has established the HAZUS Vendor Program (HVP). The goal of the HVP is to establish a self-sufficient program, administered through the private sector, that provides training and technical assistance to the next generation of HAZUS users. The term “vendor” refers to the individuals who will be trained and certified by FEMA to implement the program.

HAZUS vendors will be selected, trained and certified to provide instruction and technical assistance. The successful HAZUS vendor will have a strong background in earthquake, flood, or hurricane hazards, and experience with the ArcGIS family of software products. Individuals who are interested in participating in the HAZUS Vendor Program should contact Tom Durham, e-mail TSDurham@pbsj.com, phone 703/535-3005.

Conference on Structural Health Monitoring
The First International Conference on Structural Health Monitoring and Intelligent Infrastructure (SHMII-1’2003) will be held in Tokyo, Japan, November 13-15, 2003. The essence of structural health monitoring involves measurement, inspection, and assessment of structures on a continuous basis with minimum labor requirement. The conference will address progress in the development of building, transportation, marine, underground, and energy-generating structures and other civilian infrastructures that are periodically, continuously, or actively monitored and that have a need for optimized performance. For more information, visit www.civil.ibaraki.ac.jp/shmii/.

SMIP03 Seminar
The SMIP03 Seminar on Utilization of Strong-Motion Data, sponsored by the California Strong Motion Instrumentation Program and the California Geological Survey, will be held on May 22, 2003 in Oakland, California. The purpose of the seminar is to increase utilization of strong-motion data in improving post-earthquake response, seismic code provisions, and design practices. Presentations include recent research findings and applications of strong-motion data to modeling, analysis, design, and post-earthquake reporting.

For registration and program information, visit www.consrv.ca.gov/CGS/ or call Shirley Rowley at 916/322-3105.
### 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**.

#### 2003

**MAY**

9. 2003 Los Angeles Tall Buildings Council, Los Angeles, CA. Info: gbrandow@bjase.com (11/02)

12-14. 4th International Conference on Earthquake Engineering and Seismology, Tehran, Iran. Info: iies@dena.iiees.ac.ir (6/02)


26-30. 5th National Conference on Earthquake Engineering, Istanbul, Turkey. Info: www.ins.itu.edu.tr/5udmk (8/02)

29-June 1. ASCE 2003 Structures Congress, Seattle, WA. Info: www.asce.org/conferences/structures2003/ (11/02)

#### JUNE

1-4. 9th North American Masonry Conference, Clemson, SC. Info: www.masonrysociety.org/Conferences/9NAMCmain.html (8/02)

9-12. 4th International Conference on the Behavior of Steel Structures in Seismic Areas, Naples, Italy. Info: www.daps.unina.it/stessa/congres.htm (6/02)

16-20. 21st Congress of the International Commission on Large Dams (ICOLD), Montreal, Canada. Info: www.cigb-icold.org (2/03)


#### JULY

6-9. 9th International Conference on Applications of Statistics and Probability in Civil Engineering, San Francisco, CA. Info: icasp9.berkeley.edu (6/02)

11-12. Park and Paulay Symposium, Christchurch, New Zealand. Info: www.civil.canterbury.ac.nz (1/03)

**AUGUST**


10-13. 6th U.S. Conference and Workshop on Lifeline Earthquake Engineering, Long Beach, CA. Info from TCLEE at www.asce.org/conferences/tclee2003/ (9/02)


#### SEPTEMBER

7-10. 20th Association of State Dam Safety Officials, Minneapolis, MN. Info: www.damsafety.org (2/03)


18-20. 2003 SEAOC Convention, Lake Tahoe, CA. E-mail: thale@oshpd.state.ca.us (12/02)

22-24. 4th International Conference on Earthquake-Resistant Engineering Structures, Ancona, Italy. Info: www.wessex.ac.uk/conferences/2003/eres03/ (8/02)

#### OCTOBER

6-10. 8th World Seminar on Seismic Isolation, Energy Dissipation, and Active Vibration Control of Structures, Yerevan, Armenia. Info: www.aua.am (10/02)

22. SMIP03 Seminar on Utilization of Strong-Motion Data, Oakland, CA. See page 6. (5/03)

22-24. 28th Annual Conference on Deep Foundations, Miami Beach FL. Info: www.dfi.org/conferences.asp (1/03)

#### NOVEMBER


#### DECEMBER


16-18. 9th East Asia Pacific Conference on Structural Engineering and Construction, Bali, Indonesia. Info: www.si.itb.ac.id/easec9 (10/02)

#### 2004

**FEBRUARY**

4-7. EERI Annual Meeting, Los Angeles, CA. See page 8. (5/03)

#### APRIL

13-17. 5th International Conference on Case Histories in Geotechnical Engineering, New York, NY. Info: www.umr.edu/~eqconf/5thCHConf (8/02, 1/03, 3/03)

#### MAY


#### JULY

18-23. Composite Construction in Steel and Concrete V, Kruger National Park, South Africa. Info: www.engconfintl.org/4ab.html (12/02)

#### AUGUST

1-6. 13th World Conference on Earthquake Engineering, Vancouver, British Columbia, Canada. Info: www.13wcee.com (7/02, 3/03)

8-11. MOVIC 04 Motion and Vibration Control Conference, Washington University, St. Louis, MO (11/02)
News of the Institute

Southern California Chapter Meeting

The EERI Southern California Chapter meeting will be held at the Southern California Earthquake Center from 4:00 pm to 6:00 pm on Wednesday, May 14, 2003. Featured speaker is Byron Ishkanian, a consulting mine and tunnel safety engineer. Ishkanian will share his almost 50 years of “underground” experience, including many encounters with faults in the broader Southern California region.

Ishkanian is a native of Pasadena, residing in Santa Barbara. He has provided consultation services for many private and public entities, including the Metropolitan Water District, the Metro Rail project, mining companies, oil companies, drilling companies, and numerous local and state agencies. He has often been called upon to respond to emergencies during excavation for shoring of tunnels, mitigating explosive gas situations, and rescuing of trapped workers.

Additionally, SCEC will demonstrate the “LA3-D” fault and hypocenter 3-D visualization system. Admission is free. RSVP to Chapter Secretary Y. Henry Huang of the L.A. County Public Works Department at hhuang@ladpw.org if free parking is desired.

News of the Membership

Richard Wright Elected to NAE

EERI Member Richard N. Wright has been elected to the National Academy of Engineering, which is among the highest professional distinctions accorded to an engineer.

Academy membership honors those who have made important contributions to engineering theory and practice, or to the literature of engineering theory and practice, and those who have accomplished advances in either new or traditional fields of engineering, or have developed or implemented innovative approaches to engineering education.

Wright’s citation is “for sustained leadership in building research, for the development of standards, and for representing the building industry and research community worldwide.”

Wright is retired as director of the Building and Fire Research Laboratory of the National Institute of Standards and Technology, and as professor of civil engineering at the University of Illinois at Urbana-Champaign.

Announcement

2004 EERI Annual Meeting

The 2004 EERI Annual Meeting will be held February 4-7 at the Downtown Omni Hotel in Los Angeles to commemorate the 10th anniversary of the Northridge earthquake. The Planning Committee, chaired by Andrew Adelman, general manager of the Los Angeles Department of Building and Safety, is seeking your input and assistance. Please contact Nick Delli Quadri of the Los Angeles City Building Department at 213/482-6710, or Southern California Chapter President Marshall Lew at 323/889-5325.