



**EARTHQUAKE ENGINEERING  
RESEARCH INSTITUTE  
NEWSLETTER**

Editor Thalia Anagnos  
Associate Editors Sarah Nathe  
Gerald Brady  
Editorial Assistant Eloise Gilland

Earthquake Engineering  
Research Institute  
499 14th Street, Suite 320  
Oakland, California 94612-1934  
Phone: 510/451-0905  
Fax: 510/451-5411  
E-mail: eeri@eeri.org  
Web site: <http://www.eeri.org>

ISSN 0270-8337

Reproduction with attribution is permitted.

**EARTHQUAKE ENGINEERING  
RESEARCH INSTITUTE**

PRESIDENT  
Thomas D. O'Rourke

PAST-PRESIDENT  
Chris D. Poland

VICE PRESIDENT  
Svetlana Brzev

SECRETARY-TREASURER  
Ronald L. Mayes

BOARD OF DIRECTORS  
Sergio M. Alcocer  
Donald Ballantyne  
Svetlana Brzev  
Bruce R. Clark  
Mary C. Comerio  
Ronald L. Mayes  
Sarah Nathe  
Thomas D. O'Rourke  
Chris D. Poland

EXECUTIVE DIRECTOR  
Susan K. Tubbesing

**News of the Institute**

**Kenneth Stokoe Named EERI's Distinguished  
Lecturer for 2004**

Kenneth H. Stokoe II, professor of engineering at the University of Texas at Austin, has been chosen to give EERI's 2004 Distinguished Lecture. An EERI member since 1979, Stokoe was nominated by the Honors Committee in recognition of his work, spanning more than three decades, in the areas of in situ seismic measurements, laboratory measurements of dynamic material properties, and dynamic soil-structure interaction.

He has been instrumental in developing the crosshole seismic method for in situ measurement of shear and compression wave velocities and the spectral analysis of surface waves (SASW) method for testing geotechnical and pavement systems and structural components. He has conducted extensive SASW investigations at the proposed nuclear storage site at Yucca Mountain for the U.S. Department of Energy as well as major studies using in situ seismic measurements to evaluate earth dams in the United States and other countries.

Stokoe has also developed a com-



*Kenneth H. Stokoe*

bined resonant column and torsional shear (RCTS) system that is used in laboratories at many universities and private firms to evaluate the linear and nonlinear dynamic properties of soil and rock. Dynamic rock properties at the Yucca Mountain site are being evaluated with the RCTS equipment.

Most recently, three major laboratory studies have been completed in which: (1) dynamic soil properties for the Savannah River Nuclear

*continued on page 3*

**Last Call: 56th Annual Meeting Remembers  
Northridge**

EERI's 56th Annual Meeting will kick off Wednesday, February 4, 2004, at the Omni Hotel in downtown Los Angeles. The downtown area is becoming a lively and important urban center, a nucleus that the city has been lacking for 50 years. The Omni Hotel is located atop Bunker Hill, adjacent to the Museum of Contemporary Art and just a few steps from the Walt Disney Concert Hall, which some of the hotel's rooms overlook. (See page 3 of the December *Newsletter* for information about the meeting's Disney Hall tour.) For more information about the downtown area's attractions and restaurants, see side two of the yellow insert enclosed in this *Newsletter*.

During three days of technical sessions, more than 20 speakers will survey developments in earthquake engineering and science since the Northridge earthquake, look at mitigation initiatives, explore new directions in research,

*continued on page 3*

## Obituary

### T. Y. Lin, 1912-2003

Tung-Yen (T. Y.) Lin, professor emeritus in civil engineering at the University of California, Berkeley, died at age 91 on Saturday, November 15, at home after a fall resulting from a mild heart attack. He was a visionary whose pioneering work in prestressed concrete had a profound influence on modern structural design and inspired creativity in engineers throughout the world.



*T. Y. Lin*

Considered one of the greatest structural engineers of his time, Lin earned a reputation for combining elegance and strength in his designs. Evidence of Lin's work can be seen worldwide, from San Francisco's Moscone Convention Center to the Kuan Du Bridge in Taiwan to the roof of the National Racetrack in Caracas, Venezuela.

Born in China, Lin earned his bachelor's degree in civil engineering from Jiaotong University's Tangshan Engineering College in 1931. After receiving his master's degree in civil engineering from UC Berkeley in 1933, Lin returned to China. In 1946, while working in Taiwan to help in the transition from Japanese to Chinese rule after the end of World War II, Lin accepted an invitation to join UC Berkeley's faculty, a one-year offer that turned into a 30-year career.

It was at UC Berkeley that Lin began his groundbreaking research in prestressed concrete, dramatically simplifying the design process for using the material, which had been invented by Eugene Freyssinet of France but was relatively unknown in the United States. Colleagues said the research on prestressed concrete spearheaded by Lin was key to popularizing the material. Lin helped organize the first World Conference on Prestressed Concrete in 1957. This conference, combined with Lin's research, changed the history of building, making possible today's high-rises and graceful long-span earthquake-resistant structures.

Always seeking to fuse the practical and humane, Lin appreciated the metaphorical meaning of bridges as symbols of international cooperation. In the midst of the Cold War, he developed the bold idea of connecting Alaska to Siberia with a bridge across the Bering Strait and called the proposed structure the "Intercontinental Peace Bridge." In a move that made news around the world, Lin presented President Ronald Reagan with a 16-page booklet outlining plans for the 50-mile span while at the White House in 1986 to receive the prestigious National Medal of Science. The proposed bridge, which drew both raves and criticism, still remains on paper.

Lin was a member of the California Department of Transportation advisory panel on the new eastern span of the San Francisco-Oakland Bay Bridge. He argued in vain against the single-tower suspension design now under construction.

During Lin's tenure at UC Berkeley, he served as chair of the Division of Structural Engineering and Structural Mechanics and as director of the Structural Engineering Laboratory from 1960 to 1963. He was appointed campus-wide professor of arts and sciences for the 1968-69 academic year to advance interdisci-

plinary teaching. Lin contributed more than 100 technical and research papers and co-authored three widely used textbooks in structural engineering.

He retired from UC Berkeley in 1976 to lead full-time the firm T. Y. Lin International, which he had founded in 1954. He left the firm in 1992 and formed San Francisco-based Lin Tung-Yen China, Inc., which focuses on engineering projects in China. One of the last projects Lin worked on there was the Nanning Bridge. Working with OPAC Consulting Engineers, Lin helped design a unique asymmetrical arched bridge on a curve. Expected to be completed by the end of 2004, the span will be the only one of its kind.

In addition to the National Medal of Science, Lin received numerous honors throughout his career, including election to the National Academy of Engineering in 1967. He was the first recipient of ASCE's Outstanding Lifetime Achievement in Design award. The society renamed its annual Prestressed Concrete Award the T. Y. Lin Award. In 1976, Lin received the Berkeley Citation, one of the campus's highest honors, and in 1994, was named UC Berkeley's California Alumnus of the Year.

Lin is survived by his wife of 62 years, Margaret, of El Cerrito; his son, Paul Lin of Palo Alto; his daughter, Verna Lin-Yee of Oakland; six younger siblings; and five grandchildren.

In 1988, Lin donated the El Cerrito home he designed and lived in, which is the only residential home made of prestressed concrete, to UC Berkeley to endow the T. Y. and Margaret Lin Chair in Engineering and a dean's discretionary fund for the College of Engineering. Donations can be made to the Berkeley Engineering Fund for the T. Y. Lin Fellowship, College of Engineering, 208 McLaughlin Hall, University of California, Berkeley, CA 94720-1722.

## Stokoe

*continued from page 1*

Power Station were evaluated for the Westinghouse Corporation, (2) a generic nonlinear model (including frequency-dependent material damping) was developed for the Electric Power Research Institute, and (3) the generic nonlinear model was augmented with additional data from the ROSRINE (Resolution of Site Response Issues in the 1994 Northridge Earthquake) project and a refined nonlinear model was developed. These studies and their results have been directed towards evaluating and predicting the response of soil and rock sites during earthquakes.

Finally, Stokoe is a co-PI on a four-year, \$3 million NSF project in the George E. Brown, Jr., Network for Earthquake Engineering Simulation (NEES) program. This project, which will have a substantial impact on the geotechnical earthquake engineering community in the United States, involves the development of large-scale mobile field equipment for dynamic loading of geotechnical and structural systems. The equipment will enable field capabilities that never before existed and will be used in research by universities and governmental researchers across the nation, with oversight by the University of Texas team.

Stokoe has been a member of the UT-Austin faculty since 1973. He received his B.S., M.S., and Ph.D. degrees from the University of Michigan in 1966, 1967, and 1972, respectively. He has published more than 200 papers and has been a state-of-the-art speaker many times at conferences all over the world.

In February 2004, Stokoe will present his lecture for the first time at EERI's 56<sup>th</sup> Annual Meeting in Los Angeles, California. Groups interested in inviting him to present the lecture subsequently should contact the EERI office.

## Annual Meeting

*continued from page 1*

and discuss advances that are making communities more resilient. In a late addition to the Saturday program, at 11:30 a.m. there will be a presentation on two earthquake awareness initiatives in California: the Earthquake Country Alliance in southern California and the Quake '06 program in the northern part of the state.

All EERI members should have received in the mail the program brochure containing the meeting registration form and hotel information. For your convenience, this *Newsletter* contains a registration form. The registration fee includes the conference notebook, three lunches, and the Friday night banquet. Online registration is available at the web site [www.eeri.org](http://www.eeri.org). Don't delay in making your reservation — this Annual Meeting has something for everyone. You won't want to miss it! **Be sure to make your hotel reservations (800/843-6664) by January 14 to help ensure that EERI fills its room block.**

Subscribing members who are interested in exhibiting at the Annual Meeting should contact Sonya Hollenbeck ([sonya@eeri.org](mailto:sonya@eeri.org)) of the EERI staff.

**Deal for faculty members:** EERI is offering free meeting registration (a \$395 value) to EERI academic members who recruit ten new EERI student chapter members. Contact EERI staff member Sonya Hollenbeck ([sonya@eeri.org](mailto:sonya@eeri.org)) if you are successful in this endeavor.

**Young members' social after banquet:** All young members (under 35 years old) are invited to meet at the hotel bar at 9:30 p.m., immediately following the Friday dinner banquet. After a brief no-host cocktail hour, the group will be off to experience Los Angeles nightlife at its finest. Details will be available at the Annual Meeting. For more information or to RSVP, please contact the YM chair, Joshua Marrow, at [jmmarrow@vingenuity.net](mailto:jmmarrow@vingenuity.net).

### Corrected Getty Museum tour information:

Some of the information about the J. Paul Getty Museum tour in the meeting brochure and on page 3 of the December *Newsletter* is incomplete or incorrect.

The tour is sched-

uled for 9:00 a.m. to 2:30 p.m. on Sunday, February 8, the day after the Annual Meeting's technical program adjourns. Sponsored by EERI's Heritage and Existing Structures Committee and entitled "Protecting Precious Artwork from Earthquakes," this is a back room tour of the museum's special damping systems. Participants will depart from the hotel in vans at 9:00 a.m. The cost will be \$15 and registration is limited to 30 people on a first-come, first-served basis. Payment will be collected at the conference. If you will be registering for the meeting online, you can make a reservation for this tour on EERI's web site [www.eeri.org](http://www.eeri.org). If you have already registered, send an e-mail to [eeri@eeri.org](mailto:eeri@eeri.org) indicating your interest in the tour, or e-mail Debra Laefer at [debra\\_laefer@ncsu.edu](mailto:debra_laefer@ncsu.edu).



*J. Paul Getty Museum*

## News of the Institute

### Endowment Fund Donors

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

#### \$1001-\$2000

Clarence R. Allen

#### \$501-\$1000

Cynthia L. Perry

#### \$201-\$500

Christopher Arnold

L. LeRoy Crandall

David J. Dowrick

Andrew J. Eggenberger

Henry J. Lagorio

James E. Russell

Chester L. Schultz

#### \$100-\$200

David C. Breiholz

Arrietta Chakos

Ted M. Christensen

Gary Christenson

Bruce R. Clark

Juan Carlos Esquivel

Phillip L. Gould

James O. Jirsa

James E. Roberts

Sharon L. Wood

T. Leslie Youd

Howard L. Zee

#### Other Amounts

Bedros Bedrosian

Claudio Chesi

Mary C. Comerio

Ricardo Dobry

William M. Elliott

Clement J. Finney

Christopher M. Foley

Catherine French

Jim Goltz

John R. Hayes

Richard C. Hepworth

Klaus H. Jacob

Trevor Jones

George G. Mader

Vilas Mujumdar

Sarah Nathe

Rawn Nelson

Irving J. Oppenheim

Jane Preuss

Richard C. Quittmeyer

## Call for Abstracts

### Conference on Dam Engineering

The 4th International Conference on Dam Engineering will be held October 18-20, 2004, in Nanjing, China. The topics include dam design; planning, analysis, design, and construction of dams; dam reliability and safety assessment; construction materials for dams; dam stability; seismic and earthquake behavior of dams; dam instrumentation and monitoring; and rehabilitation of old dams. The language of the conference is English. Abstracts may be submitted in a single A4 size page to the secretariat by e-mail to [qingwenren@yeah.net](mailto:qingwenren@yeah.net). The deadline is January 15, 2004. For more information, visit [www.dam04.com](http://www.dam04.com).

## News of the Institute

### Volunteers Needed to Review Woodframe Inspection Guidelines

Dr. John Osteraas of Exponent Failure Analysis Associates spoke on "Assessment and Repair of Earthquake Damage in Woodframe Construction" at the November EERI Southern California Chapter meeting. Osteraas explained that the engineering community was ill prepared after the Northridge earthquake — the first quake in which large numbers of engineers were engaged by property insurance carriers and property owners to assist in the evaluation and repair of damage to woodframe dwellings. There were inconsistencies in damage assessments because of the shortage of experienced engineers and a lack of guidelines. Thus, the engineering profession's performance generally fell short of reasonable public expectations for professional practice.

In an effort to improve the situation, a research project was initiated in 2000, administered by the Consortium of Universities for Research in Earthquake Engineering with major funding from the California Earthquake Authority. The primary objective of the project is to bring sound science and engineering to earthquake damage assessment and repair of typical single- and multi-family woodframe residential buildings in California. The project involves testing, research, and developing written guidelines covering all aspects of the process. Osteraas reported that tests have been completed on walls with door and window openings and clad only with stucco and drywall. Excellent information was obtained on the correlation between visible damage and the structural condition of the wall. Tests on some conventional walls with stucco indicated strengths reaching 2000 pounds per net lineal foot of wall. Testing of epoxy repair of cracks in foundations and in slabs on grade has indicated that with proper procedures and quality con-

trol, epoxy was effective in repairing cracks in unreinforced concrete slabs and stemwalls. Osteraas reported that guidelines for inspection and damage assessment are being developed. The target date for review is early to mid 2004. There will be two versions, one for homeowners and the other for architects and engineers. Volunteers from the profession will be needed to review and comment on the draft guidelines. Contact Osteraas at [osteraas@exponent.com](mailto:osteraas@exponent.com) with questions or to indicate interest.

The next chapter meeting will be on January 21, 2004, at the Southern California Earthquake Center on the USC campus from 4 to 6 p.m. The speaker will be Dr. Farzad Naeim, who will discuss the design and construction of the Walt Disney Concert Hall. To be added to the chapter's e-mail list, e-mail your contact information to Mark Benthien, [benthien@usc.edu](mailto:benthien@usc.edu). If you have already paid your 2004 EERI membership dues and want to join this chapter, send \$25 to the EERI office.

## News of the Institute

### Cluff to be the First Joyner Lecturer

EERI and the Seismological Society of America (SSA) are cosponsoring the First Annual William B. Joyner Memorial Lecture, which will take place February 7, 2004, during the Saturday luncheon of EERI's Annual Meeting (see page 1 for more information). Former EERI President and Honorary Member Lloyd S. Cluff, director of the Geosciences Department of the Pacific Gas and Electric Company in San Francisco, will deliver this inaugural address.

The title of Cluff's lecture, "Then and Now," partly refers to the evolution of his involvement with the Trans-Alaska Pipeline. Before joining PG&E, Cluff was vice president and director of geosciences for Woodward-Clyde Consultants in San Francisco, where he gained a wealth of experience directing many seismic stability evaluation programs for critical facilities throughout the world. One of his projects was the Trans-Alaska Pipeline siting study.



**Then:** Lloyd Cluff in a helicopter completing the photographic documentation of the Denali fault during the active fault crossing evaluation in September 1973, at Black Rapids Roadhouse Landing Strip near the Trans-Alaskan Pipeline crossing of the fault.



**Now:** High in the Andes at Cuenca, Ecuador, in November 2002.

Inspired by the stringent stipulations that resulted from the National Environmental Policy Act of 1969 and the San Fernando earthquake of 1971, Cluff and his team of earthquake geologists developed pipeline design criteria, consisting of fault rupture location, direction, and amount, at the Denali fault crossing.

The pipeline design team of Nathan M. Newmark, William J. Hall, and James Maple, assisted by Douglas J. Nyman, developed an innovative design that accommodated the expected surface fault displacements. The above-ground pipeline is articulated in a zigzag fashion and rests on Teflon-coated support beams that allow the ground to move freely, horizontally and vertically, without disrupting the integrity of the pipeline.

The magnitude 7.9 earthquake on the Denali fault in November 2002 was remarkably consistent with the design earthquake and fault crossing criteria postulated for the Denali crossing of the pipeline route. The pipeline maintained its integrity, and no disaster occurred.

Cluff is a former president of SSA and a former chair of the California Seismic Safety Commission. In 2000, he was awarded the Department of the Interior's highest private citizen's honor — the John Wesley Powell Award — for his achievements in seismic safety.

The Joyner Lecture is named in honor of William B. Joyner, who died in 2001. An EERI member for 28 years, Joyner directed the U.S. Geological Survey (USGS) National Strong-Motion Program from 1999 until shortly before his death. In 1967, he wrote a substantial part of the "Proposal for a Ten-Year National Earthquake Hazards Program," which was largely responsible for the subsequent highly regarded USGS program in earthquake hazard reduction. He was particularly effective at bridging the gap between seismologists and engineers, and was awarded the Department of the Interior's highest honor — the Distinguished Service Award — in 2000.

## Job Opportunity

### USGS Mendenhall Postdoc Opportunity

The U.S. Geological Survey at Caltech in Pasadena, California, seeks applicants for its Mendenhall Postdoctoral Research Fellowship Program on the topic "Toward System-Level Earthquake Probability Modeling." The USGS and the Southern California Earthquake Center are attempting to develop a system-level, time-dependent earthquake-rupture-forecast model for southern California.

Fellows are appointed for two years at the GS-12 level. Appointments will begin between October 2004 and March 2005. Applicants must have a Ph.D. in one of the following fields: geology, geophysics, applied mathematics, earthquake engineering, or computer science.

The application closing date is January 16, 2004. Details about this project can be found at the web site [geology.usgs.gov/postdoc/2005/opps/opp19.html](http://geology.usgs.gov/postdoc/2005/opps/opp19.html). Application instructions can be found at [geology.usgs.gov/postdoc/](http://geology.usgs.gov/postdoc/).

## EERI's Learning from Earthquakes Program

# Request for Proposals — Re-Evaluating Past Earthquakes: Assessment of Long-Term Recovery and Reassessment of Lessons Learned

In 1998, EERI initiated its *Lessons Learned Over Time* series with funding from its Learning from Earthquakes (LFE) Program, sponsored by the National Science Foundation (NSF). The intent was to capture earthquake lessons that may not be apparent until some years after an event, or that should be re-evaluated in the light of new understanding and knowledge. In the three funding cycles to date, ten proposals received modest funding for retrospective studies to investigate longer-term recovery and rebuilding issues. Seven studies were published in Volumes I-IV of the *Lessons Learned Over Time* series, sent to members as a benefit of membership in 1999, 2000, and 2003. The three remaining studies are underway.

The Learning from Earthquakes Program is now soliciting proposals for engineers, social scientists, earth scientists, and others to revisit earthquake sites in the United States or abroad, either individually or as teams, to carry out focused investigations. These investigations should improve our understanding of post-earthquake recovery and reconstruction and clarify our understanding of earthquake processes through the application of new knowledge. These projects are not intended to duplicate ongoing NSF research, but to further the state of knowledge by:

- providing new information about a specific recovery and reconstruction process,
- correcting mistakes in interpretation or analysis that were made in earlier studies,
- reinterpreting what happened in light of new information or understanding,
- updating an existing database or

reanalyzing existing data.

The LFE Committee is soliciting focused investigations at the five-, ten-, or 20-year anniversaries of earthquakes, comparative studies across earthquakes, or multidisciplinary investigations that document the recovery processes across different disciplines.

In past years, project budgets, including expenses and a modest honorarium, were in the range of \$3,000 to \$6,000, with a maximum of \$10,000. However, for this 2004 round of RFPs, the LFE Committee is also encouraging proposals from multidisciplinary teams, with a budget maximum up to \$20,000.

The selection criteria include a well-focused proposal, investigation of a significant problem, clear description of the investigative process, focus on lesson(s) with practical implications, clear connection to a previously identified problem, and demonstrated feasibility of successful completion. Inclusion of both senior and junior team members is strongly encouraged. Proposals must focus on lessons that have emerged since the earthquake, and that were not identified during post-earthquake reconnaissance investigations.

Broad-ranging proposals covering multiple subjects are discouraged. Proposals for a multidisciplinary look at a specific issue are encouraged. "Multidisciplinary" is defined broadly to include various combinations of the engineering disciplines, the earth sciences, and the social sciences.

Expenses will be reimbursed immediately following the field research. At the conclusion of each project, the authors will submit for peer review and publication a report, including visuals that document their ob-

servations and conclusions. The amount of the honorarium, which will reflect the level of effort, will be determined on a case-by-case basis, and will be paid upon favorable peer review of the project report. The LFE Committee expects to publish the reports in the *Lessons Learned Over Time* series. Authors also have the option of submitting their reports for peer review and publication in *Earthquake Spectra*.

Interested researchers should submit a three- to four-page proposal, addressing the following points: (1) the purpose of the investigation (new information, correcting mistakes in interpretation, reinterpretation, updating existing data, or reanalyzing existing data); (2) the value of the information; (3) the approach that will be used, such as multidisciplinary team, interviews, and data analysis. If a multidisciplinary team is proposed, indicate who will be on the team, who will function as team leader, and who will be responsible for report preparation; (4) time schedule for completion of the study, including some indication of how this study fits within the existing work load; (5) the anticipated product; and (6) the proposed budget.

The deadline for receipt of proposals at the EERI office is 5:00 p.m. PST, Monday, March 1, 2004. EERI expects to select two to four projects. Award announcements will be made by Friday, March 26, 2004. Projects are to be completed and submitted to EERI for peer review and publication by September 3, 2004.

For more information, contact Marjorie Greene, EERI's Learning from Earthquakes Program manager: e-mail [mgreene@eeri.org](mailto:mgreene@eeri.org) or phone 510/451-0905.

## 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**.

### JANUARY

7-9. 11th Int'l Conf. on Soil Dynamics and EQ Eng./3rd Int'l. Conf. on EQ Geotech. Eng., Berkeley, CA. Info: [www.sdee-ge.org](http://www.sdee-ge.org) (11/03)

15-16. Fundamentals of EQ Eng., Reno, NV. Info: [www.training.bossintl.com/html/earthquake-engineering.html](http://www.training.bossintl.com/html/earthquake-engineering.html) (12/03)

### FEBRUARY

4-8. EERI Annual Meeting, Los Angeles, CA. **See page 1.** (9/03, 10/03, 11/03, 12/03, 1/04).

9-11. 4th Nat'l Conf. on Bridges and Highways, Memphis, TN. Info: [www.conferences.uiuc.edu/seismic](http://www.conferences.uiuc.edu/seismic) (8/03)

19-21. World Conf. on Natural Disaster Mitigation, New Delhi, India. Info: [www.wfeo-cee.org](http://www.wfeo-cee.org) (7/03)

20-21. 2004 PEER Annual Meeting, Palm Springs, CA. Info: [peer.berkeley.edu](http://peer.berkeley.edu) (10/03)

### MARCH

5-6. Asia Conf. on EQ Eng., Manila, Philippines. Info: [www.aseponline.org/ACEE.htm](http://www.aseponline.org/ACEE.htm) (10/03)

**19-21. New Zealand Society of EQ Eng. Annual Conf.**, Rotorua, New Zealand. Info: [secretary@nzsee.org.nz](mailto:secretary@nzsee.org.nz) (1/04)

22-25. Performance-Based EQ Eng. and Seismic Retrofit of Structures, Brooklyn, NY. Info: [sections.asce.org/metropolitan/tech\\_groups/infrastructure.html](http://sections.asce.org/metropolitan/tech_groups/infrastructure.html) (12/03)

### APRIL

13-17. 5th Int'l Conf. on Case Histories in Geotech. Eng., New York, NY. Info: [www.umn.edu/~eqconf/](http://www.umn.edu/~eqconf/) **5thCHConf** (1/03, 3/03)

### MAY

3-5. 4th Annual Disaster-Resistant California Conf., Sacramento, CA. Info: [www.drc.ca.gov](http://www.drc.ca.gov) (12/03)

7. 2004 L.A. Tall Buildings Conf., Los Angeles, CA. Info: [www.TallBuildings.org](http://www.TallBuildings.org) (12/03)

16-19. Basin and Range Province Seismic Hazard Summit II, Reno NV. Info: [www.nbmg.unr.edu](http://www.nbmg.unr.edu) (12/03)

16-19. 3rd UCLA Conf. on Public Health and Disasters, Torrance, CA. Info: [www.ph.ucla.edu/cphd/conference.html](http://www.ph.ucla.edu/cphd/conference.html) (12/03)

20-21. NEES Annual Meeting, California. Info: [www.nees.org](http://www.nees.org) (11/03)

22-26. Structures 2004, Nashville, TN. Info: [www.asce.org/conferences/structures2004/](http://www.asce.org/conferences/structures2004/) (8/02)

### JUNE

7-10. SEM X Int'l Cong. on Experimental and Applied Mechanics, Costa Mesa, CA. Info: [www.sem.org](http://www.sem.org) (10/03)

10-11. 4th Int'l Workshop on Structural Control, Columbia Univ., NY. Info: [www.civil.columbia.edu/4IWSC](http://www.civil.columbia.edu/4IWSC) (11/03)

20-23. 14th World Conf. on Disaster Management, Toronto, Canada. Info: [www.wcdm.org/](http://www.wcdm.org/) (11/03)

### JULY

6-9. Int'l Symp. Network and Center-Based Research for Smart Structures Tech. and EQ Eng., Osaka, Japan. Info: [mahua@rch.eng.osaka-u.ac.jp](mailto:mahua@rch.eng.osaka-u.ac.jp) (12/03)

12-15. 3rd European Conf. on Structural Control, Vienna, Austria. Info: [www.samco.org/3ecsc](http://www.samco.org/3ecsc) (10/03)

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

26-28. ASCE Specialty Conf. on Probabilistic Mechanics and Structural Reliability, Albuquerque, NM. Info: [www.esc.sandia.gov/PMCconferenceinfo.html](http://www.esc.sandia.gov/PMCconferenceinfo.html) (12/03)

### AUGUST

1-6. 13th World Conf. on EQ Eng. (13WCEE), Vancouver, British Columbia, Canada. Info: [www.13wcee.com](http://www.13wcee.com) (7/02, 3/03)

8-11. MOVIC 04 Motion and Vibration Control Conf., Washington University, St. Louis, MO. (11/02)

### SEPTEMBER

14-17. NDE/NDT for Highways and Bridges 2004, Buffalo NY. Info: [www.asnt.org/events/events.htm](http://www.asnt.org/events/events.htm) (12/03)

29-October 1. Annual Conf. on Deep Foundations, Vancouver, B.C., Canada. Info: [www.dfi.org](http://www.dfi.org) (12/03)

### 2005

#### FEBRUARY

19-22. Int'l Assoc. for Bridge Struct. Eng. Conf., New Delhi, India. Info: [www.iabse.org](http://www.iabse.org) (11/03)

### 2006

#### APRIL

17-21. 8th U.S. Nat'l Conf. on EQ Eng. (8NCEE) and EERI Annual Meeting, San Francisco, CA. (8/03)

## News of the Institute

### New EERI Policy on International Reps

At its September 2003 meeting, the EERI Board of Directors affirmed its commitment always to have at least one EERI member from outside the United States serving on the Board. To achieve this, the Board approved modification of the guidelines to the Nominating Committee to specify that affiliate members may be nominated as candidates to the Board. Affiliate members are individuals living in developing countries who pay two-thirds of the regular membership dues because of economic hardship. At the present time, EERI bylaws preclude affiliate members from exercising voting privileges. Henceforth, when affiliate members stand for election, their status will be upgraded to regular membership.

## News of the Institute

# Board Adopts Policy on Externally Funded Projects

Under what circumstances should EERI seek or accept outside funding? For many years, EERI has depended on National Science Foundation (NSF) grants to fund, for example, the Learning from Earthquakes Program, the US/Japan Urban Hazard Reduction Program, and the development of the International Conferences on Seismic Zonation. The cooperative agreement with the Federal Emergency Management Agency (FEMA) funds such programs as the NEHRP graduate and professional fellowships, EERI technical seminars, oral histories, and numerous other publications. Sponsorships from many federal and state agencies regularly help to underwrite the quadrennial U.S. National Conference on Earthquake Engineering. Without this external funding, the Institute would either have to cut back its activities drastically or radically increase dues.

From time to time, EERI has opportunities to undertake, with external funding, projects beneficial to the membership and to the nation. At the same time, the earthquake-related professions have been ma-

turing. Many of our members' firms now offer multidisciplinary services. A long-standing policy of EERI has been that the Institute does not compete against its members for funding. This stimulated the Board of Directors to consider afresh the question of when and if the Institute should seek or accept outside funding.

After reviewing the existing policy, the Board endorsed the existing concepts, but felt that additional guidance would be helpful. The following updated policy statement has been developed to guide future Institute decisions on externally funded projects.

### **EERI Policy on Externally Funded Projects**

*In determining whether to seek or accept outside funding for projects, EERI should consider the following criteria:*

- *The project should contribute to the mission of EERI.*
- *The project should have the potential to be of use or interest nationally or internationally.*

- *Participation in the project should support or enhance EERI's reputation as a multidisciplinary, nationally focused, professional body.*
- *EERI should be uniquely qualified to do the project, due to its not-for-profit nature and its ability to offer expertise in the broad range of professions represented by its members.*
- *EERI's services are available to members and organizations on a non-exclusive basis.*

*In most instances, members and others invited to participate in externally funded projects will be asked to volunteer their time to the effort. However, if more than a nominal time commitment is required, EERI may offer compensation. In such cases, the compensated positions will be filled through open competition. Selection for the positions will be made in compliance with the EERI policy on conflict of interest.*

*In most instances, EERI staff will decide on EERI involvement. To avoid any conflict of interest, if Board input is required, only disinterested members will be involved.*



**EARTHQUAKE ENGINEERING  
RESEARCH INSTITUTE**  
499 14th Street, Suite 320  
Oakland, CA 94612-1934  
**ADDRESS SERVICE REQUESTED**

PRSRRT FIRST CLASS  
U.S. POSTAGE PAID  
Sundance Press  
85719