



**EARTHQUAKE ENGINEERING
RESEARCH INSTITUTE
NEWSLETTER**

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News of the Institute

2002 Shah Family Innovation Prize Recipient



Josh Marrow

Selecting from a large field of strong candidates, the Shah Family Innovation Prize Selection Committee awarded the 2002 prize to Joshua M. Marrow, a professional engineer with Simpson Gumpertz & Heger. Marrow was awarded the prize in recognition of his broad range of innovative, entrepreneurial, and professional activities and for the promise of future contributions to the field of earthquake engineering. In addressing new techniques to minimize earthquake economic losses from damage to stored materials, including wine, he has demonstrated innovative thinking and an entrepreneurial spirit. These activities have been sustained continuously, beginning with his master's thesis. Marrow has been an active contributor and leader of EERI's Information Technology Committee in developing applications of IT to post-earthquake field investigations. His public service has included mentoring gifted and underprivileged high school students.

The \$10,000 Shah Family Innovation Prize, endowed by a generous gift from the Hareh Shah family, is awarded annually to younger professionals and academics for creativity, innovation, and entrepreneurial spirit in the field of earthquake risk mitigation and management. The prize honors individuals who have been involved in the development of cutting-edge, innovative

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Daniel Shapiro Receives Alquist Award



Daniel Shapiro

At EERI's Annual Meeting in February in Portland, Oregon, the California Earthquake Safety Foundation awarded EERI member Daniel Shapiro the 2003 Alfred E. Alquist Medal for Outstanding Achievement in Earthquake Safety. A structural engineer in California for more than 50 years, Shapiro is one of San Francisco's giants in the field. He was recognized for his many professional contributions to earthquake engineering and for his significant volunteer service in causes to advance earthquake safety

in California. As a result of his leadership in both California and at the national level, Shapiro has helped to create a better understanding of earthquake impacts and the steps that can be taken to enhance life safety.

In 1965, he founded the firm now known as SOHA Engineers, which under his leadership gained an international reputation for expertise in seismic-resistant design of buildings and bridges, and for the design of deep excavation shoring and underpinning systems. The firm has also designed many seismic rehabilitation projects using advanced techniques such as seismic

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Shah Prize

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solutions to problems in earthquake engineering and related disciplines. Recipients should be in the developing or expanding stage of their careers, with the promise of important contributions ahead. Past prize recipients were Bret Lizundia, structural engineer, Rutherford and Chekene, San Francisco, California; Nicos Makris, professor, Department of Civil Engineering, University of California, Berkeley; Durgesh Rai, professor, Indian Institute of Technology, Kanpur, India; and Stephanie Chang, research assistant professor, Department of Geography, University of Washington, Seattle.

The 2002 Selection Committee members are Robert D. Hanson (chair), University of Michigan; Weimin Dong, Risk Management Solutions, Newark, California; William T. Holmes, Rutherford and Chekene, San Francisco; Wilfred D. Iwan, California Institute of Technology, Pasadena; and Peter J. May, University of Washington, Seattle.

Alquist Award

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isolation and energy dissipation.

Throughout his career, Shapiro has given generously of his time to professional, technical, and public service organizations. He has served as president of the Structural Engineers Association of Northern California, president of the Applied Technology Council, chair of the California Seismic Safety Commission, chair of San Francisco's Seismic Investigation and Hazard Survey Advisory Committee, and a member of the Task Force for Unreinforced Masonry Building Hazard Abatement in the city of San Francisco. He currently chairs the Project Advisory Committee for the San Francisco Community Action Plan for Seismic

Safety. He is a fellow of the American Society of Civil Engineers. He has given scores of technical presentations around the world. During most of the decade of the 1990s, Shapiro was project director for the federally sponsored program to develop the *Guidelines for the Seismic Rehabilitation of Buildings*, and is still active in the ongoing follow-up programs. This document will serve as the basis for codes for years to come.

Named in honor of State Senator Alfred Alquist, who had a long and distinguished career supporting earthquake safety in the California legislature, the Alquist Medal is given annually by the California Earthquake Safety Foundation. A nonprofit organization, its mission is to raise the level of public awareness and commitment to earthquake safety in California.

News of the Institute

***Earthquake Spectra* Outstanding Paper for 2001 Awarded in Portland**



Carl Stepp and Ivan Wong receive award at Annual Meeting.

"Probabilistic Seismic Hazard Analyses for Fault Displacement and Ground Motions at Yucca Mountain, Nevada," by J. C. Stepp, I. Wong, J. Whitney, R. Quittmeyer, N. Abrahamson, G. Toro, R. Youngs, K. Coppersmith, J. Savy, T. Sullivan, and Yucca Mountain PSHA Project Members, was recognized as the Outstanding Paper in Volume 17 of *Earthquake Spectra* on February 7 during EERI's Annual Meeting in Portland, Oregon. The paper was published in February 2001.

This paper deals with a study that was probably the most comprehensive probabilistic seismic hazard analysis (PSHA) conducted since the completion of the 1997 Senior Seismic Hazard Analysis Committee guidelines. The responsible editor noted that the paper was a "gargantuan landmark effort ... that has an unusual importance for the future of deposition of U.S. nuclear waste... setting potentially the standard for future similar projects and publications of site-specific PSHAs." Reviewers' comments were as follows: "An excellent summary of an enormous amount of work conducted by dozens of investigators over many years... This paper represents a truly monumental effort that *Spectra* should be proud to publish... never has there been the aggregation of so many qualified opinions and approaches in a single study, with such great emphasis on the systematic quantification of uncertainties... A high proportion of all the experts (a total of 46) in the United States were involved in some role — as authors, team members, review panel members, or advisors... The study represents an outstanding effort to garner and quantify current state-of-the-art thoughts and procedures. The results provide a significant benchmark for formally assessing uncertainty in ground motion and fault displacement hazard. The uncertainty estimates may be useful for application to other studies."

News of the Institute

2002 Professional Fellowship Report Available Online

Mark R. Legg, president of Legg Geophysical in Huntington Beach, California, has completed his research project supported by the 2002 NEHRP Professional Fellowship in Earthquake Hazard Reduction, administered by EERI and funded by FEMA. In his final report, "Evaluation of Tsunami Risk to Southern California Coastal Cities," Legg focuses on tsunami potential from major offshore earthquake sources, including estimating tsunami amplitude, run-up, inundation, and probability of occurrence. Legg carried out his research in collaboration with Jose C. Borrero and Costas E. Synolakis of the Department of Civil Engineering at the University of Southern California.

The authors model the Santa Catalina Island platform with elastic dislocations along two major fault sections comprised of seven individual segments. The simulated earthquake has a moment magnitude of 7.6. Coastal run-up of between one and two meters was predicted over most of the region from Point Dume to San Onofre for the largest scenario modeled. Derived from the initial fault model, other scenarios comprised of different segment combinations, slip distributions, and earthquake magnitudes are used to evaluate the variability in potential earthquake sources and resulting tsunamis.

Tsunami potential for the southern California coast near Los Angeles is estimated based on the likelihood of large offshore earthquakes with significant seafloor uplift. In general, the maximum run-ups result from wave propagation effects. Large offshore tsunamigenic earthquakes have recurrence intervals of 200 to 500 years. The large populations and tremendous value of coastal prop-

erty, major port facilities, and urban infrastructure create the potential for great loss from these infrequent offshore events.

This report is available online through a link on EERI's home page at www.eeri.org/. The site includes QuickTime movies for each of the seven tsunamigenic earthquake scenarios modeled.

News of the Institute

Existing Buildings Committee Gets a Face-Lift

The Existing Buildings Committee has been renamed the Heritage and Existing Structures Committee (HESC) and is currently seeking new members. The committee's mission is to examine the issues related to the life span of existing buildings and promote an improved understanding of the buildings' historic, economic, and societal roles in relation to seismic safety objectives.

HESC will undertake the following:

1. Promote dissemination of reliable information about seismic issues related to heritage projects. As first steps to this, the committee will work toward
 - standardization of terms related to repair, rehabilitation, and retrofit across the various stakeholder communities (engineering, architecture, preservation, insurance, building ownership, planning); and
 - collection and dissemination of international codes and guidelines on seismic-related interventions for historic and heritage structures.
2. Identify procedural and structural stumbling blocks to the repair and retrofit of existing buildings and pose their unnecessary demolition.

To these ends, HESC will work

toward the following specific near-term goals:

- establish a web page on the EERI site;
- plan a session for next year's Annual Meeting in Los Angeles;
- serve as a liaison to EERI's International Activities Committee, APT, ICOMOS, ICCROM, TMS, and other related organizations;
- recruit additional members to the committee with a conscious effort to reach beyond the engineering community; and
- co-chair a special theme issue of *Spectra* devoted to pre- and post-condition assessment of seismic interventions, repairs, and other issues related to historic neighborhoods and heritage structures.

If you would like to be involved, please contact the corresponding secretary, Erol Kalkan, at kalkae@rpi.edu. If you have any special areas of interest, please note them in your correspondence.

Publications

USGS Fact Sheets

The United States Geological Survey (USGS) has recently published two new fact sheets. USGS Fact Sheet 017-03 (geopubs.wr.usgs.gov/fact-sheet/fs017-03/) highlights accomplishments and impacts of its Earthquake Hazards Program since the birth of the National Earthquake Hazards Reduction Program in 1977.

Fact Sheet 014-03 (geopubs.wr.usgs.gov/fact-sheet/fs014-03/) summarizes the origin and effects of the largest onshore earthquake to strike the United States in more than 100 years — the M 7.9 shock in Alaska that ruptured over 200 miles of the Denali fault and related faults on November 3, 2002.

News of the Institute

Summary Minutes of the December 13, 2002 Meeting of the Board of Directors

Preliminaries: President Chris Poland called the meeting to order at 8:30 a.m. Present were President-Elect Thomas O'Rourke, Secretary/Treasurer Ron Mayes, Donald Ballantyne, Mary Comerio, Melvyn Green, Dennis Mileti, Executive Director Susan Tubbesing, and Administrative Assistant Valarie Austin. Director Svetlana Brzev arrived at 11:30 a.m. Marjorie Greene and Patricia Grossi joined the meeting at a later point. Director Sergio Alcocer was not present.

President's Report: Poland and Tubbesing went to Washington DC to attend the National Academies Roundtable Forum on Risk Communication. They discussed NEHRP's reauthorization and EERI's Research and Outreach Plan with Jack Snell and S. Shyam-Sunder, NIST; Priscilla Nelson, NSF; John Filson, USGS; Craig Wingo, FEMA; and Dan Byers of the Research Subcommittee of the House Science Committee that will sponsor the NEHRP reauthorization. The Board discussed how to present "risk" proactively in a way to engender public support for mitigation efforts.

Secretary/Treasurer's Revenue and Expense Report: Mayes reviewed the Report of Revenue and Expenses as of October 31, 2002. The combined balance sheet showed an opening fund balance of \$127,643, which was augmented by \$197,874 in excess revenues over expenses. EERI's total liabilities of \$193,012 combined with the total fund balance of \$325,517 equaled \$518,529. The Endowment Program's opening balance of \$706,099 was decreased by \$173,771 in expenses for a total fund balance of \$532,328. Total liabilities of

\$258,000 combined with the total fund balance of \$532,328 equaled \$790,328. The combined association, endowment, and technical programs balance equaled \$1,208,857.

The Investment Funds Report showed a balance of \$224,480 in the General Administrative Short-Term Fund and \$29,136 in the Long-Term Investment Fund. The Endowment Fund balance totaled \$532,328, and the Friedman Family Investment Fund totaled \$100,154. The balance of the interest-bearing checking account was \$118,370. The combined funds in the General Administrative checking and investment accounts totaled \$373,803.

The Grants Status Summary showed that of \$4,186,644 in active grants, \$874,647 has been expended, leaving a balance of \$3,311,997 as of October 31, 2002.

2003 Budget: Mayes reported that investments had performed poorly over the past year but there was a modest surplus in the current budget. The 2003 budget includes an employee benefit package, which has been expanded to provide for a choice of one of two options: 16% through the cafeteria plan (an increase over the 14% previously provided) or a health and dental insurance plan with a maximum benefit of \$750 per month.

Mayes reported that under the 2003 budget the Housing Encyclopedia project will receive an additional \$10,000. Mayes advised the Board that the Institute is dependent on grants and that membership dues are not adequate to cover costs and overhead. Mayes, Tubbesing, and Financial Manager Sonya Hollenbeck will examine whether EERI's core activities can be sustained on membership dues alone.

ITR Proposal Development: Marjorie Greene and Patricia Grossi described a proposal that will be submitted to the Information Technology Research Initiative at NSF. The pro-

posal will focus on the use of technology in building a portable earthquake clearinghouse to establish a rapid, reliable, and robust data collection system that will emphasize the links between IT and earthquake engineering.

Endowment Committee Report: Ballantyne reported that the local Seattle scenario committee has been meeting regularly and that plans are moving forward to develop each of the sections of the scenario.

The Board accepted a recommendation from President-Elect O'Rourke to hold a workshop in 2003 on the Legacy of Earthquake Engineering. The workshop will help identify benefits from earthquake engineering that are now applied or in the future could be applied to other hazards and homeland security. He suggested forming a steering committee consisting of Tom Holzer, Kathleen Tierney, Bill Iwan, and Chris Rojahn.

Honors Committee Report: The Board accepted the Honors Committee recommendations for the George W. Housner Award, Outstanding *Spectra* Paper, and honorary membership in the Institute. The Board also accepted C. B. Crouse and Mike Agbabian to serve on the committee to replace Andy Veletsos and Les Youd. The Board also approved Loring Wyllie to serve as the new chair and Peter May as vice chair.

2004 Annual Meeting: Tubbesing reported that Andrew Adelman, head of the L. A. Department of Building and Safety, will chair the 2004 Annual Meeting Committee. The Board agreed to hold the meeting in downtown Los Angeles.

NEHRP Reauthorization: The Board recognized that if NEHRP disappeared, the connection and leading edge between research and practical application would be diminished, and this should be communicated to stakeholders. Poland ad-

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Board Minutes

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vocated for bold, attention-getting action to convey that NEHRP is the principal source of funding for universities, provides for better application of research to create disaster-resilient communities, and needs to be built up to an optimal level with vigorous leadership from the top. Poland will draft a resolution and letter in support of NEHRP that will be sent to organizations asking them to forward it to their members with the request that they contact their congressional representatives prior to the second-quarter NEHRP hearings. It will also be sent to all EERI members, who will be urged to contact their representatives.

International Activities Strategy:

The Board discussed the signing of the SMIS Agreement in Mexico (see page 1 of the January 2003 *Newsletter*) and requested that the Agreement be put on EERI's web site in both English and Spanish. Alcocer received the Board's endorsement to put together a committee to pursue agreements with other countries.

Research Plan: The plan entitled "Securing Society Against Catastrophic Earthquake Losses" will be completed in time for the Annual Meeting. It will be posted on the web and sent to Congressional staffers and agencies, but will be sent to the general membership only on request. Poland will create a statement of endorsement to be sent with the plan and a cover letter indicating its draft status. These will be sent to major professional organizations in earthquake engineering and related fields to obtain their endorsement.

Finalities: The Board expressed its appreciation to outgoing Directors Dennis Mileti and Melvyn Green for their service to the Institute. O'Rourke acknowledged the vision, enthusiasm, and leadership provided by Chris Poland as president. The meeting was adjourned at 5 p.m.

News of the Institute

Petak Presents the 2003 Distinguished Lecture on "Earthquake Mitigation Implementation: A Sociotechnical System Context"

William J. Petak, professor in the School of Policy, Planning, and Development at the University of Southern California, presented the 2003 Distinguished Lecture in February at the EERI Annual Meeting in Portland, Oregon. His lecture was entitled "Earthquake Mitigation Implementation: A Sociotechnical System Context."

The basis of Petak's talk is that the limited world view of the individual disciplines has significantly impeded the implementation of earthquake risk mitigation policies. The problem of mitigation must be approached from a holistic or systems perspective. Petak observed that "what appears to be simple is not. Simple approaches lack an integrative framework to bridge the disciplines and do not provide appropriate scales of analysis." Furthermore, even when authoritative policy making occurs, the implementation process is affected by politics.

According to Petak, it is necessary to recognize the complexity, uncertainty, and ambiguity that is inherent in the decision context, which is unique in every community. He proposes a sociotechnical system that looks at earthquake mitigation not only as an engineering problem and solution, but also as an organizational and human factors problem. Investment in mitigation is likely to be delayed unless insolvency or ruin is understood as a possible outcome of an earthquake. There is often a disconnect between the short-term goals of an organization or individual and the long-term good of the community, with stakeholders not adequately understanding constraints on others. The broader system context calls for advocating alternatives that reflect the world views of all participants, facilitating collaborations, and effective communication. The sociotechnical system approach requires understanding the decision problem, the environment, stakeholder perspectives, and interest group influences. Petak states, "Earthquake engineering advocates must understand the interactions between technology and social processes necessary to effectively engage in a collaborative political process."

An EERI member since 1983, Petak was chosen as this year's Distinguished Lecturer in recognition of his tireless support for the implementation of new and improved natural hazard reduction public policies, especially building codes and land use policies. (See page 1 of the October 2002 *Newsletter* for additional biographical information.) Groups interested in having him present his lecture in person may e-mail him at petak@usc.edu. Look for his lecture to appear in a future issue of *Earthquake Spectra*.

Announcement

First NEES Annual Meeting

The first NEES Annual Meeting, to be held in Park City, Utah, is open to NEES Consortium members. It will feature research funding opportunities presented by NSF, a "science fair" format with live demonstrations via the Internet of equipment sites at 15 universities around the country, system integration project IT tools, "Grand Challenge" research discussions, and consortium committee meetings. For more information, visit www.nees.org.

Call for Abstracts

XIV Mexican National Conference on Earthquake Engineering

The 14th Mexican National Conference on Earthquake Engineering (XIV Congreso Nacional de Ingeniería Sísmica) will be held November 19-22, 2003 in León-Guanajuato, México. Papers in Spanish and English will be accepted for the proceedings and oral presentations. Topics will include seismology and seismicity; seismic risk and hazard; seismic zonation; soil structure interaction and geotechnical and foundation seismic engineering; performance-based design; seismic codes; experimental research; analysis, design, and behavior of reinforced concrete, steel, masonry, and wood structures; base isolation, passive energy dissipation, and active/hybrid control; bridges; lifelines; seismic retrofit; and irregular structures.

One-page abstracts are due May 2, 2003. For more information, visit www.smis.org.mx or contact Arturo Tena-Colunga at atc@correo.azc.uam.mx.

Call for Papers

BSSA Special Issue on the 2002 Denali Fault Earthquakes

The *Bulletin of the Seismological Society of America (BSSA)* will publish a special issue on the October 23, 2002 Mw 6.7 Nenana Mountain and November 3, 2002 Mw 7.9 Denali fault, Alaska, earthquakes. The former was a foreshock of the latter. This issue will focus on results of investigations into all seismological, geodetic, other geophysical, geological, and earthquake engineering aspects of the earthquakes and their aftershocks. The

submission deadline for manuscripts is December 31, 2003.

Authors considering preparing papers for submission should contact one of the guest editors, Charlotte Rowe (char@lanl.gov), Doug Christensen (doug@giseis.alaska.edu), or Gary Carver (wooak@ptialaska.net) to discuss their intentions. It is anticipated that the special issue will be published in December 2004.

News of the Institute

Kanvinde Wins Student Paper Competition

Amit M. Kanvinde, a civil and environmental engineering graduate student at Stanford University, captured the top prize in EERI's student paper competition with his paper, "Methods to Evaluate the Dynamic Stability of Structures: Shake-Table Tests and Nonlinear Dynamic Analyses." Kanvinde received a travel grant to present his paper at the Annual Meeting in Portland, Oregon, in February. EERI extends its appreciation to the members of the Student Paper Review Panel: Eric Williamson (Student Activities Committee chair) of the University of Texas at Austin, Erik Johnson of the University of Southern California, and Laura Lowes of the University of Washington.

Kanvinde's paper evaluates methods to predict collapse-limit states of structures during earthquakes, based on findings of recent shake-table tests and nonlinear dynamic analyses conducted at Stanford University. Because test data for the collapse of structures are sparse, such behavior has not been adequately studied. For Kanvinde's study, simple models that collapsed due to the story mechanism were used as test specimens. He relates the concept of dynamic collapse to simpler

design guidelines and seismic demands, such as a critical inter-story drift. These may be calculated using a simpler method, such as the static pushover analysis.

Such a method, which relates the statically calculated drift to the dynamic collapse, could prove extremely important when it is not feasible to carry out detailed nonlinear dynamic analysis. Data from 19 experiments suggest that current methods of nonlinear dynamic analysis are accurate and reliable for predicting collapse and tracing the path of the structure to its collapse. The paper also directs the readers to a valuable database of collapse tests of a "clean" structure, which can be used for further verification studies.

Announcements

Woodframe Seminars

A series of seminars on the results of the CUREE-Caltech Woodframe Project are being cosponsored by CUREE (Consortium of Universities for Research in Earthquake Engineering) and SEAOC (Structural Engineers Association of California).

The first was on March 14, 2003 in Sacramento, California. The next will be on April 26, 2003 in Los Angeles. Additional seminars will take place in San Francisco and San Diego. The presenters are the principal authors of the capstone document of the project, *Recommendations for Earthquake Resistance in the Design and Construction of Woodframe Buildings*. The primary intended audiences are structural engineers, other design professionals, and building code officials. Registration information is located on www.curee.org.

For those located outside California who are interested in cosponsoring this seminar elsewhere, please contact CUREE at curee@curee.org.

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

APRIL

2-5. AISC North American Steel Construction Conference, Baltimore, MD. Info: www.aisc.org/nascc (2/03)

21-23. Disaster-Resistant California Conference, San Jose, CA. Info: www.sjsu.edu/cdm/drc03 (9/02)

26. CUREE-Caltech Woodframe Seminar, Commerce, CA. Info: www.curee.org. See page 6. (4/03)

30-May 2. SSA-2003 Annual Conference, San Juan, Puerto Rico. Info: civil.uprm.edu/ssa-2003 (11/02)

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.iies.ac.ir (6/02)

19-21. International Seismic Instrument and Emergency Rescue Equipment Exhibition, Beijing, China. Info: www.exh.dizhen.ac.cn. (3/03)

21-22. NEES Consortium First Annual Meeting, Park City, UT. Info: www.nees.org. See page 5. (3/03, 4/03)

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

3-6. Extreme Loading Conference, Toronto, Ontario, Canada. Info: www.extremeloading2003.com (6/02)

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

SEPTEMBER

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)

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

NOVEMBER

19-22. 14th Mexican National Conference on Earthquake Engineering, León-Guanajuato, México. See page 6. (4/03)

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.

APRIL

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

MAY

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

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

7USJW Travel Support Recipients

The following participants in the 7th United States-Japan Urban Earthquake Mitigation Workshop received travel support from the National Science Foundation. The workshop took place March 23-26 in Maui, Hawaii. A publication of the workshop proceedings will be available for sale in several weeks.

Daniel Alesch	University of Wisconsin, Green Bay
William Anderson	National Academy of Sciences
Fouad Bendimerad	RMS, Inc.
Yousef Bozorgnia	Applied Technology & Science
James Buika	Pacific Disaster Center
Arrietta Chakos	City of Berkeley
Peter Chang	University of Maryland
Craig Comartin	Comartin-Reis
Mary Comerio	University of California, Berkeley
Lori Dengler	Humboldt State University
Charles Eadie	University of California, Santa Cruz
Ronald Eguchi	ImageCat
Richard Eisner	California Office of Emergency Services
Mark Fiegenger	University of Washington
Lind Gee	University of California, Berkeley
James Goltz	California Office of Emergency Services
Ayhan Irfanoglu	Wiss, Janney, Elstner Associates, Inc.
Laurie Johnson	RMS, Inc.
Charles Kircher	Kircher & Associates
Shirley Mattingly	International Disaster Mitigation Consultant
Richard McCarthy	California Seismic Safety Commission
Jacqueline Meszaros	University of Washington
Sarah Nathe	University of California, Berkeley
Robert Olson	Robert Olson & Associates
Jelena Pantelic	The World Bank
William Petak	University of Southern California
R. Tyler Ranf	University of Washington
Charles Scawthorn	ABS Consulting
Guna Selvaduray	San Jose State University
Ellis Stanley	City of Los Angeles
L. Thomas Tobin	L. T. Tobin & Associates
Mark Yashinsky	California Department of Transportation

News of the Membership

New Jobs for Mujumdar and Seible

In December 2002, EERI member **Vilas Mujumdar** joined the National Science Foundation in the Division of Civil and Mechanical Systems as a program director and the new NEES Project Coordinator. Mujumdar brings more than 25 years of management experience in private industry and nine years in the public sector. His professional experience spans earthquake engineering research, consulting engineering, project management, and regulatory oversight. Most recently, he was chief of operations for the Division of the State Architect in California overseeing all public school and community college facilities and essential service centers.

EERI member **Frieder Seible** has been appointed dean of the University of California, San Diego (UCSD), Jacobs School of Engineering. Professor Seible joined the UCSD faculty in 1983, and served as the founding chair of the Department of Structural Engineering from 1995 to 2001. As chair, he oversaw the development of the first nationally accredited program in structural engineering. He also developed the Charles Lee Powell Structural Research Laboratories, which have become a worldwide resource for large-scale structural testing.



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