



**EARTHQUAKE ENGINEERING
RESEARCH INSTITUTE
NEWSLETTER**

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News of the Profession

Argentinean Association for Earthquake Engineering

The Argentinean Association for Earthquake Engineering (Asociación Argentina de Ingeniería Sísmica) was recently formed. The main objectives of this association are: (1) to promote collaboration among Argentinean professionals and scientists in the field of earthquake engineering through the interchange of ideas, scientific and technical studies, and diffusion of knowledge, and (2) to develop relationships with other national and international associations. For more information, contact the association's President: Francisco Crisafulli, Universidad Nacional de Cuyo (phone 54-261-4494078, fax 54-261-4380120, e-mail jcrisa@raiz.uncu.edu.ar).

News of the Institute

EERI's 54th Annual Meeting: Return to Long Beach in 2002



*View of Ocean Boulevard in downtown Long Beach.
(Photo courtesy of Long Beach Convention and Visitors' Bureau)*

What have been the principal routes of progress in the earthquake risk reduction fields — research and practice — since that seminal event, the Long Beach earthquake of 1933? How far have we come? And what routes should EERI travel in the future?

These themes will be developed at the 2002 Annual Meeting that will take place February 6-9 in Long Beach, California, at the Westin Hotel. First, the program will examine the 1933 event itself, and then its effects on the earthquake professions during the 1930s, including policy changes and landmark legislation such as the Field Act.

Then we will travel through time to the present and point out the milestones along the way, including emerging areas such as information technology, satellite imagery, and performance-based engineering.

Finally, an assessment will be made of our state of preparedness today — in Long Beach, Seattle, and New York — as an aid to EERI in making plans for the future. For example, one session will explore the impact of ground motions in these vulnerable areas.

How can EERI make a difference in reducing losses at local, state, and national levels? Another session will look at this question from several perspectives, including the points of view of a senior EERI member, an academic, and a social scientist, followed by a national outlook.

Watch your mail. Registration forms will be mailed in November and registration information will also be available on the EERI web site (www.eeri.org). Be sure to mark your calendar — whether it's your first or your 54th Annual Meeting, you won't want to miss it!



National Earthquake
Hazards Reduction
Program

News of the Profession

NSF Awards NEES Consortium Project to CUREE

The National Science Foundation (NSF) has announced that the Consortium of Universities for Research in Earthquake Engineering (CUREE) has been selected to develop the new organization that will manage the NSF-funded Network for Earthquake Engineering Simulation (NEES) during the 2004-2014 decade.

Two other organizations have key roles in the project: EERI and the Civil Engineering Research Foundation (CERF) of the American Society of Civil Engineers. EERI's role, which will be managed by Executive Director Susan Tubbesing, will be to organize two national workshops that will finalize the consensus development process underlying the establishment of the NEES Consortium.

ASCE will be responsible for reaching into the realm of engineering practice. The \$2 million NEES Consortium Development project will extend from October 2001 to October 2004.

The Principal Investigator (PI) is Robert Reitherman, the Executive Director of CUREE. The management team includes the following

Co-PI's: Stephen Mahin, UC Berkeley; Robert Nigbor, University of Southern California; Cherri Pancake, Oregon State University; and Sharon Wood, University of Texas at Austin. In addition, a diverse group of other individuals is involved with the PI and Co-PIs, collectively constituting the project's Executive Council. Extensive involvement of the broad earthquake engineering community will be a feature of the project. Participation in Consortium Development Working Groups (see below) is actively solicited.

NSF's NEES program is managed within the Division of Civil and Mechanical Systems, which is directed by Priscilla Nelson. Joy Pauschke is the program manager of NEES, and Tom Anderson is the project manager for the NEES equipment sites. The equipment sites are advanced experimental facilities now being constructed or enhanced at ten universities.

The Internet-based, national-scale high-performance network system for NEES, called NEESgrid, is being designed and implemented by the University of Illinois at Urbana-Champaign. The System Integration project, along with the equipment sites and NEES Consortium, will all be operational by the fall of 2004. At that point, the NEES-funded and other laboratory or simulation facilities, and the engineering research community, will be able to function as a single virtual laboratory — a collaboratory — even though the facilities and individuals are in different locations.

Further information may be obtained by consulting the CUREE web site at www.curee.org, or the new web site CUREE has established for NEES program-wide projects, www.nees.org. Individuals can access an online form to indicate interest in joining one or more NEES Consortium Development Working Groups.

NEES Equipment RFP for Phase 2 Available

The George E. Brown, Jr., Network for Earthquake Engineering Simulation program solicitation, "NSF-01-164, NEES Earthquake Engineering Research Equipment, Phase 2," has recently been released. It may be found at www.nsf.gov/cgi-bin/getpub?nsf01164. This solicitation requests proposals to complete the NEES research equipment portfolio that was initially funded as Phase 1 under program solicitation NSF 00-6. All equipment developed under this Phase 2 solicitation must be operational by September 30, 2004.

Mandatory letters of intent are due December 31, 2001, and proposals are due January 30, 2002. Frequently asked questions for this solicitation are available on the NEES web site at www.eng.nsf.gov/nees.

Announcements

FEMA Seeks Staff for New York Office

The Federal Emergency Management Agency (FEMA) is seeking applicants for temporary, intermittent engineering positions at its Disaster Field Office in New York to perform design and development for repair projects. Several positions are available, including: civil engineer with experience in public works projects; architect with public works projects experience and historical preservation experience; and environmental specialist with knowledge of federal environmental regulations.

To apply, fax an application or resume to: 940/323-2810, attn: LLN. Applications or resumes must contain the following: social security number, citizenship, and current and former job information.

News of the Institute

Opportunity to Exhibit at the 7NCEE

EERI will be holding its Seventh U.S. National Conference on Earthquake Engineering at the Park Plaza Hotel in Boston, Massachusetts, July 21-25, 2002.

If you would like to make known your products or services, you are invited to exhibit at this quadrennial conference that continues its tradition of bringing together practitioners, researchers, consultants, educators, students, and other professionals from the broad range of disciplines committed to reducing the impact of earthquakes on the built and natural environment.

The theme of the conference is Urban Earthquake Risk. More than 500 abstracts have been accepted for presentation at the conference, and attendance is expected to exceed 800 participants from all over the world.

The meeting will give exhibitors an exceptional opportunity to introduce their products and services to leaders in research, design, and construction.

Approximately 40 spaces are available at the conference site. Because of limited space, booths are assigned on a first-come, first-served basis.

Don't miss this opportunity to join firms who plan to take advantage of this major and prestigious gathering.

For an exhibitor prospectus and reservation form, please contact Sonya Hollenbeck at the EERI office, 510/451-0905 or e-mail: sonya@eeri.org

News of the Institute

EERI Receives New NSF Learning from Earthquakes Grant

The National Science Foundation (NSF) recently awarded EERI \$3.1 million for the next five years for its Learning from Earthquakes (LFE) Program. This major award will be used to strengthen this critical program to include the use of new technologies, to provide both hands-on and web-based training for field researchers, to improve the collection of perishable data, and to administer a new program of small grants for immediate follow-up research after major earthquakes. This new grant will also allow EERI to improve the overall coordination of NSF-funded post-earthquake research efforts. A major initiative in the first year of this new grant will be the organization of an invitational workshop to discuss the process of designing a damage data collection and management framework. These funds will allow EERI to revise its current Field Guide, to purchase needed equipment for earthquake reconnaissance, and to dedicate staff to administer the program components.

For nearly 30 years, NSF has provided support to EERI for this important program. These funds have enabled dozens of multidisciplinary teams of researchers to carry out field investigations of significant earthquakes throughout the world, and to observe and document effects on the natural and built environment and resulting social, economic, and policy impacts. Over the years the program has generated much new knowledge, leading to changes in practice and stimulating new research in each of these fields.

Marjorie Greene, currently Special Projects Manager of EERI, has been appointed to the position of LFE Program Manager to administer this new program. Susan Tubbesing will remain as the Principal Investigator, while Greene will assume day-to-day responsibilities for developing the training programs, updating the Field Guide, broadening the outreach for team participants, organizing the invitational workshop, and overseeing the small research grants. Further information on the new grant can be obtained by contacting her at mgreene@eeri.org.

Announcements

AIP Science Fellowships Available

In the coming months, the American Institute of Physics (AIP) will hold competitions to select its State Department and Congressional Science Fellows for next year. The AIP Fellowship programs offer U.S. scientists an interesting opportunity to assist the United States by providing technical advice and analysis to the nation's domestic or foreign policy makers.

The deadline for the AIP State Department Science Fellowship has passed.

For the Congressional Science Fellowship, applications must be post-marked by January 15, 2002. Applicants must be U.S. citizens, be members of one or more of the ten AIP member societies, and have a Ph.D. (in some cases, equivalent research experience may be considered). Fellowships will begin in the fall of 2002. See the web site www.aip.org/pubinfo/index.html for qualifications and application requirements.

News of the Institute

7NCEE Sponsors Sought

As indicated in the article on page 3, participants from all over the world will be attending the 7NCEE. Would you like your firm to be a part of this conference and demonstrate your support for the profession in a very visible way? Then please consider sponsoring one of the events indicated below. Your support will help EERI reduce the registration fee without sacrificing program quality. Individual sponsors are being sought for receptions and coffee breaks. Several sponsors may wish to join together to host the larger events or to underwrite support for the overall conference.

\$10,000 Banquet	(\$40,000 sole donor)
\$ 5,000 Luncheon	(\$25,000 sole donor)
\$ 3,000 Reception	(\$15,000 sole donor)
\$ 1,000 Coffee Break	(\$ 5,000 sole donor per coffee break)
Other amount	Overall Conference

The names of all sponsors will be prominently acknowledged in all participants' materials and displayed during the conference. For more information or to sponsor an event at the 7NCEE, please contact Susan Tubbesing at the EERI office, 510-451-0905, e-mail skt@eeri.org.

Student Reconnaissance Team Sent to Peru

As part of EERI's response to the Peru earthquake of June 23, 2001, a group of social science and public health graduate students was sent on a reconnaissance mission, funded by the National Science Foundation through the Learning from Earthquakes program (see the report on this earthquake inserted into this *Newsletter*). The team was led by EERI member Kimberley Shoaf, adjunct assistant professor of Community Health Sciences at the UCLA School of Public Health, an experienced researcher who served as mentor to the group.

The following students were team members: (1) Victor Argothy, doctoral student in sociology at the University of Delaware and research assistant at the Disaster Research Center; (2) Bryan Boruff, doctoral student in geography at the University of South Carolina and research assistant at the Hazards Lab; (3) Lucille Cubbin, epidemiology student at the UCLA School of Public Health and research assistant at the Southern California Injury Prevention Research Center, UCLA; and (4) John Miller, doctoral student in international epidemiology at Tulane University and research assistant at the Center for Disaster Management and Humanitarian Assistance. This endeavor was the first in a strategy to encourage the retention of social, policy, and health scientists in the earthquake research field.



Student reconnaissance team (not including John Miller) with the emergency operations center personnel from the health department in Moquegua, Peru. (photo: Argothy)

Announcements

NZSEE Annual Conference 2002

The New Zealand Society for Earthquake Engineering (NZSEE) will hold its 2002 Technical Conference and Annual Meeting March 15-17, 2002. The theme of the conference is "Learning from Earthquakes: What Are the Gaps in our Mitigation and Preparedness?"

Papers addressing this topic as well as others, including structures, foundations, microzoning, lifelines, reconnaissance, disaster planning, regulatory issues, and insurance issues, are solicited.

The deadline for abstracts was October 26, 2001. Interested authors should contact: Conference Coordinator, NZSEE, P.O. Box 13 482, Wellington, NZ; phone: 64-4-478-6112; fax: 64-4-478-6106; e-mail: jacque@hague.co.nz.

Research Experiences in Japan

The Natural Hazard Mitigation in Japan (NHMJ) Program will provide unique opportunities for twelve U.S. graduate students to explore Japanese culture and the state of research and practice in natural hazard mitigation during the summers of 2002 and 2003.

The NHMJ Program is coordinated at the University of Notre Dame under the auspices of the current NSF U.S.-Japan Cooperative Research Program in Urban Earthquake Disaster Mitigation, and is sponsored by the Japan-Korea Program and the Earthquake Hazard Mitigation Program of NSF.

For more information on the NHMJ Program, see the web site www.nd.edu/~quake/nhmj/.

Announcements

Conference on Disaster Management

January 26, 2002, will mark the first anniversary of the Gujarat earthquake in India, which claimed tens of thousands of lives. An International Conference on Disaster Management Rehabilitation, Reconstruction, and Long-Term Development will be held in Ahmedabad, Gujarat, India, January 25-27, 2002, to commemorate the earthquake. It will be hosted by the Indian Institute of Management.

The conference will provide a forum for interested parties to discuss and appraise the disaster management strategies immediately following the Gujarat quake. The Conference will also address broader issues, such as the international efficacy of immediate disaster response in general in an era of acclaimed globalization; perceptions of what constitutes an "international disaster," deserving of international attention and aid; roles of different actors in creating and maintaining such perceptions; degree of harmonization between long-term redevelopment, reconstruction, and rehabilitation strategies developed by the domestic and the international community and its institutions, not just for Gujarat, but also for other recent "natural disaster" areas; contrasts with strategies adopted to remediate "social disaster" areas; and monitoring and review processes for evaluating implementation of short-term relief and longer-term redevelopment.

Abstracts of papers should be no longer than 150 words, and should be sent by November 30 to: Keith Lehrer, 282 Atkinson College, York University, 4700 Keele Street, North York, Ontario, Canada, M3J 1P3; fax: 416 736 5963; e-mail: klehrer@yorku.ca.

News of the Institute

Earthquake Spectra Online

EERI is pleased to announce *EARTHQUAKE SPECTRA ONLINE*. The November issue (vol. 17, no. 4) of *Earthquake Spectra* will be produced for the first time in both electronic-online and hardcopy editions. The online edition offers dramatic new opportunities to quickly disseminate and retrieve information pertinent to earthquake engineering worldwide. EERI members will be able to rapidly browse and search all issues of *Earthquake Spectra*. Through direct "reference linking," abstracts and tables of contents in more than 5100 other journals can be "one click" away through the use of SPIN Web and the CrossRef (<http://www.crossref.org/>) databases, providing access to more than three million article records established by 83 leading publishers and library affiliates worldwide. To conduct key-word searches across these journals, a user name and password will be required. Members will be able to enter whole new worlds like "virtual filing cabinets" and a "document store" to conveniently retrieve articles from all of the linked journals.

EARTHQUAKE SPECTRA ONLINE (<http://ojps.aip.org/EarthquakeSpectra/> or <http://eeri.org/Publications/Spectra.html>) and the hardcopy edition are being produced using the professional Online Journal Publication Service (OJPS; <http://ojps.aip.org/>) of the American Institute of Physics (AIP; <http://www.aip.org/>). This service allows EERI to maintain full control of editorial style and manuscript review, while providing state-of-the art online and hardcopy printing services based on the latest technology and cost economies afforded by support of a large number of other journals on the OJPS platform.

EARTHQUAKE SPECTRA ONLINE is an important step forward for earthquake engineering and EERI's membership. EERI President Chris Poland in a recent press release (<http://www.aip.org/>) pointed out that this increase in information accessibility is especially important because EERI serves such a wide range of professions. Editor Roger Borchardt and Publication Policy Committee Chair Thalia Anagnos are especially proud to be associated with the launching of a new era in the publication of EERI's professional journal.

Publications

Proceedings of Forum on Risk Management

The Forum on Risk Management and Assessments of Natural Hazards was held February 5-6, 2001, in Washington, D.C. The forum's theme was "Toward a Safer America: Building Natural Hazard-Resistant Communities through Risk Management and Assessments." More than 120 weather, natural disaster, and risk management professionals and academics attended the forum.

The forum's purpose was to assess the state of risk assessment and

management for natural hazards. Federal research, applications, services, implementations, and public outreach programs were reviewed. In addition, the attendees discussed national standards for models, data or values used in risk assessment.

The proceedings of the forum are available to download from the web site www.ofcm.gov/Risk/Proceedings/RiskProceedings2001.htm.

Publications

ATC Report and Database on Performance of Structures

The Applied Technology Council (ATC) has announced the availability of the ATC-38 Report, *Database on the Performance of Structures Near Strong-Motion Recordings: 1994 Northridge, California, Earthquake*.

This 260-page report documents the results from a detailed survey of 530 buildings in the vicinity (that is, within 1000 feet) of strong-motion recording sites following the 1994 Northridge earthquake. The survey was conducted by teams of licensed engineers, with the objective of obtaining data to correlate recorded ground shaking, the observed performance of buildings (both damaged and non-damaged), and key structural characteristics.

The ATC-38 report contains: (a) descriptions of the data collection process, including copies of the survey forms; (b) descriptions of the data archival process; (c) summaries of the archived data and results of some simple analyses of the correlations between observed performance and recorded strong ground motion for post-1939 wood-frame construction; (d) summary descriptions of the recording stations, and plots of the acceleration-time histories and acceleration response spectra; and (e) a CD-ROM containing all of the survey information, including data, building photographs, and digitized strong-motion data.

Copies of the ATC-38 report, including the CD-ROM, can be obtained from ATC, 555 Twin Dolphin Drive, Suite 550, Redwood City, CA 94065 (phone, 650/595-1542; fax, 650/593-2320; e-mail, atc@atcouncil.org; web site, www.atcouncil.org). Price: \$75.00 per copy.

Announcements

SSA Announces William B. Joyner Memorial Fund

The William B. Joyner Memorial Fund has been established to promote education and to improve the use of seismology in earthquake engineering.

The fund honors Bill Joyner, who died on March 24 after a long illness (see obituary in the May 2001 issue of the *Newsletter*).

The Seismological Society of America (SSA) Board has appointed a committee composed of David Boore, Tom Hanks, W. H. K. Lee, and Paul Somerville to raise funds and to review and recommend projects consistent with the purposes of the fund.

Tax-deductible contributions are being sought. For more information, see the website www.seismosoc.org/about/JoynerFund.html.

Publications

SECED Report in Research Implementation

In May of last year, SECED (the UK's Society for Earthquake and Civil Engineering Dynamics) set up a working group for the purpose of examining ways in which the results of earthquake engineering research could be better disseminated for use by practitioners. In preparing the report, the working group canvassed widely for views within the UK and also carried out a comprehensive audit of the UK's research capability in this field. The results show clearly the extent of UK interest and capability in earthquake engineering, despite its status as one of the most seismically stable countries on earth. The working group's 46-page report includes a set of recommendations, including investigating the possibility of international collaborations. The report has been published on the web site www.SECED.org.uk/RWP.

News of the Membership

Christian and Wyllie Named ASCE Honorary Members

EERI members John T. Christian and Loring A. Wyllie were recently named honorary members of the American Society of Civil Engineers (ASCE). Designation as an honorary member is the highest accolade that members of the civil engineering profession can accord to their peers. The grade is conferred by the Board of Direction in recognition of an individual's eminence in some branch of engineering or in a related art or science.

John Christian, who was with Stone & Webster Engineering Corporation in Boston for more than 20 years before establishing his own consulting practice in 1994, was recognized "for his contributions to earthquake engineering, as a pioneer in the use of computer methods in geotechnical engineering, and for his leadership in accreditation."

Loring Wyllie, a senior principal with Degenkolb Engineers in San Francisco, was recognized "for his seismic evaluation and design of important structures throughout the world and for his leadership in converting advances in the state of the knowledge into structural design standards."

CALENDAR

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

2001 NOVEMBER

13. IBC Seminar, Albany, NY. Info: www.icbo.org (9/01)

14. IBC Seminar, Arlington, VA. Info: www.icbo.org (9/01)

21-23. 10th Australian Conference on Earthquake Engineering, Canberra, Australia. See page 8. (11/01)

27-28. Nisqually Earthquake Conference, Seattle, WA. Info: www.crew.org (10/01)

DECEMBER

4. IBC Seminar, San Luis Obispo, CA. Info: www.icbo.org (9/01)

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

2002 JANUARY

22-24. Urban Hazard Forum, New York, NY. Info: www.jjay.cuny.edu/urbanhazardsforum (9/01)

25-27. Disaster Management Conference, Gujarat, India. See page 5. (11/01)

FEBRUARY

6-9. 2002 EERI Annual Meeting, Long Beach, CA. Info: www.eeri.org. See page 1. (9/01, 10/01, 11/01)

MARCH

15-17. NZSEE Annual Conference 2002, Napier, NZ. See page 4. (11/01)

17-21. Smart Structures and Materials, San Diego, CA. Info: www.spie.org/info/ss (7/01)

www.spie.org/info/ss (7/01)

APRIL

7-12. World Conference on Structural Control, Como, Italy. Info: congress@icil64.cilea.it (7/01)

24-26. 8th Chilean Conference on Earthquake Engineering, Valparaiso, Chile. Info: www.achisina2002.utfsm.cl (10/01)

28-May 1. Seismic Conference on Highways and Bridges, Portland, OR. Info: mceer@acsu.buffalo.edu (7/01)

JUNE

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

19-21. Risk Analysis 2002, Sintra, Portugal. Info: www.wessex.ac.uk/conferences/2002/risk02 (9/01)

JULY

21-25. 7th National Conference on Earthquake Engineering, Boston, MA. Info: www.eeri.org. See pages 3 and 4. (9/99, 8/01, 9/01, 10/01, 11/01)

SEPTEMBER

2-5. eurodyn 2002, Munich, Germany. Info: www.eurodyn2002.de (8/01)

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

OCTOBER

9-12. Structural Engineers World Congress, Yokohama, Japan. Info: sewc2002.gr.jp (6/01)



News of the Profession

Earthquake Scenario ShakeMaps Now Available

The TriNet ShakeMap Web pages now display select earthquake scenarios for southern California. This is a new feature for the ShakeMap web site, which is best known for displaying computer-generated ground-shaking maps within a few minutes of moderate to large earthquakes. The Earthquake Scenario ShakeMaps are available at www.trinet.org/shake/archive/scenario.html. Currently, maps are available for seven events, ranging in magnitude from 6.5 to 7.1

For each event, the ShakeMaps show the expected distribution of peak ground acceleration, peak ground velocity, instrumental intensity, and spectral acceleration at 0.3, 1.0, and 3.0 seconds. ShakeMaps for other regions of the United States, including northern California and the Seattle and Salt Lake City areas, will be available in the near future through the Advanced National Seismic System (ANSS).

The scenario events were defined by selecting those events that contribute significantly to the probabilistic ground motion in southern California, in cooperation with the U.S. Geological Survey's (USGS) National Seismic Hazard Mapping Project (see the web site geohazards.cr.usgs.gov/eq/index.htm). Users interested in specific earthquake scenarios not currently available can make a request to the ShakeMap Working Group by filling out a comment form on the ShakeMap web site. For more information on the ShakeMap program, contact David Wald of the USGS in Pasadena, California, phone 626/583-7238, e-mail wald@usgs.gov.

News of the Profession

Job Opportunity

University of California, San Diego, CA. Tenure-track position at the assistant professor level in the Department of Structural Engineering. Candidates should have interest in one or more of the following areas: 1) marine and offshore structures assessment and design; 2) aircraft mechanics and design; 3) computational structural mechanics and analysis; 4) geotechnical engineering and soil-foundation-structure interaction; 5) advanced composite manufacturing and application to structural systems; or 6) earthquake engineering. Contact: Frieder Seible, Chair, Department of Structural Engineering Search Committee, Job # 3-948 (E), University of California, San Diego, La Jolla, CA 92093-0085. Applications will be accepted until November 15, 2001.

Announcements

Australian Conference on Earthquake Engineering

The 10th Australian Conference on Earthquake Engineering will be held November 21-23, 2001, in Canberra, Australia. The conference will focus on the new loading code that will be a joint Australia-New Zealand code for the first time. Speakers from various working groups will discuss the code changes and their implications. An additional topic is the possible adoption of the code by other countries in the region, such as Indonesia, Papua New Guinea, and Fiji. The conference will also cover discussions about structures that are not covered in the code, such as dams and bridges. For more information, contact b.butler@civag.unimelb.edu.au.

Publications

Special Issue of ISET Journal

The December 2000 issue of the Indian Society of Earthquake Technology (ISET) *Journal of Earthquake Technology* has been published as a special issue on "Applications of Experimental Techniques" with EERI member Helmut Krawinkler of Stanford University as the guest editor. There are seven papers in this issue, contributed by experts from several countries. The details of the issue and purchasing information are available on the web site of the *Journal* at home.iitk.ac.in/~vinaykg/iset.html. EERI members are encouraged to become members of ISET and to contribute papers to the regular issues of the *ISET Journal*. The membership form can be downloaded from the above web site.



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