

**EARTHQUAKE ENGINEERING
RESEARCH INSTITUTE
NEWSLETTER**

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ISSN 0270-8337

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**EARTHQUAKE ENGINEERING
RESEARCH INSTITUTE**

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News of the Institute

100th Anniversary EQ Conference Highlights

Last month's conference (April 17-22) to commemorate the 100th anniversary of the 1906 San Francisco earthquake was unprecedented in scale for EERI, with more than 3,500 attendees and hundreds of talks and posters. Each day, a plenary session was followed by concurrent oral and poster presentations, field trips, tutorials, exhibits, meetings, and other earthquake-related events.

Because the conference was jointly organized by EERI, the Seismological Society of America (SSA), and the California Governor's Office of Emergency Services (OES)/Disaster Resistant California (DRC), the presentations were divided into three broad areas. The SSA sessions focused on earthquake hazards; the DRC sessions addressed emergency planning; and the 8NCEE sessions covered everything else (although there was considerable overlap). One was forced to choose between 20 or 30 presentations at any given time or forego the talks for a field trip or a tutorial. Moreover, a meeting, lecture, awards ceremony, or other function was usually taking place during breakfast, lunch, and dinner, as well as evening receptions on nearly every day of the conference.

In the late afternoon on Monday, the National Earthquake Hazard Reduction Program (NEHRP) held an open forum to discuss updating the program's Strategic Plan. This was followed by the Student Member and Industry Reception, which blended into the 8NCEE Gala Reception and Poster Session, and ended with the ATC/ENR Awards Dinner.

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Message from the President

by Craig Comartin

Where do we go from here, after the "greatest earthquake conference ever"?

Everyone agrees that the 100th Anniversary Earthquake Conference was a success beyond our dreams. I have to start by thanking everyone involved, especially Conference Chair Chris Poland, Technical Program Chair Jack Moehle, and EERI's wonderful staff who worked selflessly for months to make the conference a success.

But where does this conference lead us?

First, we must continue to document risks. The scenario done for the conference is extremely effective because it deals with quantifiable terms. Past experience shows that effective mitigation happens only when we face the numbers. The scenario can be used to improve emergency response and recovery plans as well. We should make the Bay Area scenario a "living" one and continue to update it. We should do the same with the Hayward fault scenario. In addition, we should enhance existing scenarios (Seattle, Southern California) and develop new ones (Salt Lake City, New Madrid).

The scenarios can tell us where deaths and injuries are most likely to occur. In the Bay Area, one half of the casualties are expected in five percent of the buildings. We must find those dangerous buildings and fix them. EERI has announced a grassroots effort, the Concrete Coalition, to do just that for non-ductile concrete in a technically, socially, and economically effective greatest

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News of the Institute

New Honorary Members: Petak and Wyllie

The EERI Board of Directors voted to name William J. Petak and Loring A. Wyllie, Jr., honorary members of the Institute. Honorary membership is awarded to members in recognition of sustained and outstanding contributions either in the field of earthquake engineering or to EERI and the pursuit of its objectives.



William J. Petak

William Petak, an EERI member since 1983 and a professor in the Department of Systems Management and the School of Policy, Planning and Development at the University of Southern California, was awarded honorary membership in recognition of his many research contributions to earthquake and natural hazard risk assessment, mitigation, and public policy; his involvement with and commitment to EERI; his continuing efforts to bring the social sciences to bear on engineering practice; and his many years at the University of Southern California spent preparing scholars and practitioners in hazards policy and mitigation.

After he received a B.S. in mechanical engineering at the University of Pittsburgh in Pennsylvania, Bill went on to earn an M.B.A. and a Ph.D. in

public administration at USC. On the USC faculty since 1973, his primary research interest has been a multidisciplinary systems management approach to natural and technologic hazard policy, planning, and administration. Internationally recognized as a leader in the earthquake policy arena, he has authored many papers and co-authored three books: the groundbreaking *Natural Hazard Risk Assessment and Public Policy* (1982), *Politics and Economics of Earthquake Hazard Mitigation* (1986), and *Disabled Persons and Earthquake Hazards* (1988).

He has served on numerous boards, blue ribbon panels, and advisory committees, including several National Research Council committees. He is a commissioner on the Los Angeles County Economy and Efficiency Commission. In 2003, Bill was EERI's Distinguished Lecturer in recognition of his tireless support of the implementation of new and improved natural hazard reduction public policies, especially building codes and land use policies. His lecture was entitled "Earthquake Mitigation Implementation: A Sociotechnical System Context," in which he stated, "Earthquake engineering advocates must understand the interactions between technology and social processes necessary to effectively engage in a collaborative political process."

Loring A. Wyllie, Jr., an EERI member since 1973, was awarded honorary membership for his distinguished career as a structural engineer in the seismic design and rehabilitation of buildings, his service to EERI as president and as chair of the LFE program, and his leadership role in the development of seismic provisions in building codes and standards for both new and historic buildings. After earning



Loring Wyllie accepts award from EERI President Craig Comartin.

B.S. and M.Eng. degrees at the University of California, Berkeley, Loring joined Degenkolb Engineers in 1964, where he is a senior principal and chairman emeritus.

His work has included seismic evaluations, analysis, and design of strengthening measures for improved seismic performance, with a focus on structures of historical significance. He is a former chairman of the State Historical Building Safety Board and the Building Seismic Safety Council's Provisions Update Committee for the National Earthquake Hazards Reduction Program. He investigated numerous earthquakes, served as principal investigator on many NSF research projects on repair and strengthening of structures, and published many articles on seismic structural design and performance.

His contributions to the profession of structural engineering were recognized by his election to the National Academy of Engineering in 1990 and earning honorary member status of the Structural Engineers Association of Northern California. In recognition of his expertise in concrete design and performance and many years serving on the Building Code Committee, the American Concrete Institute named him an honorary member in 2000.

Paul Jennings Receives Housner Medal



Paul C. Jennings

Paul C. Jennings, an EERI member since 1967, an honorary member, and professor emeritus of civil engineering and applied mechanics at the California Institute of Technology in Pasadena, is this year's recipient of EERI's highest honor, the George W. Housner Medal. The medal was awarded in recognition of his contributions to the advancement of earthquake engineering through his

publications, leadership as president of EERI and the Seismological Society of America, and guidance as a consultant on major engineering projects worldwide.

Upon receiving the medal, Paul commented that it was especially meaningful because George Housner had been his advisor during his graduate student years at Caltech, where he earned M.S. and Ph.D. degrees. In 1982, he and Housner co-authored EERI's influential monograph, *Earthquake Design Criteria*. Paul was a member of the faculty of Caltech for 36 years, beginning in 1966, and became professor emeritus in 2002. During his Caltech career, he served a four-year stint as chairman of the Division of Engineering and Applied Science and was also vice president and provost for five years. He served as the technical secretary of the International Association of Earthquake Engineering. He was co-editor of the engineering volume of the National Academy of Sciences' report on the great Alaska earthquake of 1964,

and editor of a report on the San Fernando earthquake of 1971. He is the author of numerous technical papers on earthquake engineering and dynamics of structures and has served as consultant on the design of high-rise buildings, offshore drilling towers, nuclear power plants, and other major projects.

Paul served as chair of the National Research Council Committee on Natural Disasters and has studied earthquake damage in various parts of the world. He is a member of the National Academy of Engineering. He was a member of the Board of Inquiry on the Loma Prieta earthquake appointed by California's Governor Deukmejian. He was EERI president when plans were made to launch *Earthquake Spectra* and to host the 8th World Conference on Earthquake Engineering. His awards include the Newmark Medal and the Huber Prize of the American Society of Civil Engineers and the Honor Alumnus and Achievement in Academia Awards from Colorado State University, where he obtained his undergraduate degree.

EERI LFE Program Receives Award of Century

EERI is pleased to announce that an independent jury commissioned by the Applied Technology Council (ATC) selected the Institute's Learning from Earthquakes (LFE) Program as one of the top ten seismic programs of the 20th century. The award was presented at the gala ATC-ENR (Engineering News Record) Awards Dinner on April 17 at the Westin St. Francis Hotel in San Francisco, preceding the 100th Anniversary Earthquake Conference. As principal investigator of the LFE program, EERI Executive Director Susan Tubbesing accepted the award on behalf of EERI.

The LFE Program has been funded by the National Science Foundation since 1973. Many important advances in engineering, earth sci-

ences, public policy, and the social sciences have resulted from initial observations made by LFE reconnaissance teams sent to investigate the impacts of earthquakes. These advances include increased understanding of the basic science of earthquake ground motions and fault mechanics; fundamental changes in building codes and construction practices based on observations of building performance in earthquakes; and improved procedures in preparedness, response and recovery. The success of the LFE Program rests on hundreds of volunteers who contribute their time and expertise in field investigations and communicate their observations to the professional community. More information about the program can



Susan Tubbesing with LFE award.

be found in the online report *The EERI Learning from Earthquakes Program: A Brief Synopsis of Major Contributions*, prepared under the direction of the 2004 Learning from Earthquakes Advisory Committee (http://www.eeri.org/lfe/pdf/Report_LFE_Contributions.pdf). It addresses the program's broader impacts.

100th Anniversary Earthquake Conference Photos

*Photographers:
Marshall Lew
and
Mark Yashinsky*

*Entrance to the
Moscone (North)
Convention Center*



U.S. Senator Dianne Feinstein called for earthquake professionals to speak out.



Many student volunteers helped with registration.



Technical Program Chair Jack Moehle, looking even more debonair than usual, during Monday night's opening reception.



Poster sessions, exhibits, hearings, assemblies, talks, tutorials, and field trips took place concurrently during the conference.



The 100th anniversary of the 1906 earthquake was commemorated with a ceremony on Tuesday morning (4/18/06) at Lotta's Fountain.



California Governor Schwarzenegger and Conference Chair Chris Poland talk after the governor's address on Tuesday.



Ian Buckle and Ron Eguchi during Tuesday night's Joint Anniversary Celebration at SFMOMA.



Jon Bray, Jennie Watson-Lamprey, Ellen Rathje, and Reggie DesRoches during Monday night's EERI Student Reception.



Geologist Tim Hall stands on the San Andreas fault during a field trip to the San Francisco Peninsula.



President Craig Comartin giving Kathleen Tierney the 2006 EERI Distinguished Lecturer plaque.



Bill Holmes, Janiele Maffei, Sarah Nathe, Kathleen Tierney, Loring Wyllie, Catherine Kornfield, and Laurence Kornfield perform during Wednesday night's Festive EERI Banquet and Musicale.



During the Musicale, Janiele Maffei spoofs "Beach Blanket Babylon," the longest-running musical revue in San Francisco history.



Team testing a model on a shake table during the PEER Undergraduate Seismic Competition in the Moscone Center Exhibit Hall.



EERI thanks outgoing EERI Board members Bruce Clark, Tom O'Rourke, and Ron Mayes, who finally look relaxed.



Paul Jacks, Greg Deierlein, and Kerry Sieh answer questions on "Preparing for the Future" after Friday's plenary session; John Rowden moderates.

News of the Institute

Treasurer's Report: Fiscal Year 2005

Membership: Although the overall number of members increased slightly, there has been a reduction in regular membership of about 5% per year. Fortunately, this has been offset by increases in student and young professional memberships. The number of existing subscribing members also decreased but was offset by a significant number of new subscribing members.

Value to Members: About 8% of the annual dues goes to pay the general and administrative costs to run EERI. Over half of the annual dues cover the cost of publishing *Earthquake Spectra*. The remainder provides member services including the *EERI Roster*, the *Newsletter*, and special publications like new monographs, oral histories, and others. Members also benefit from grants provided by FEMA, Learning from Earthquakes funded by NSF, and the EERI Endowment Fund. The funding level for the external grants is likely to be reduced in the future and some adjustment will need to be implemented to stay within the new budget constraints.

Budgets for 2005 and 2006: EERI ended 2005 with a slight surplus and 2006 is projected to end with a slight loss. However, the 2006 budget was developed with a conservative model for the 100th Anniversary Conference and the financial results may be more favorable. The Endowment funds for EERI have returned to financial stability after some difficult economic times. As a result of Ron Mayes' guidance, the fund should have minimal exposure to economic downturns.

I look forward to serving EERI as Secretary-Treasurer and hope to be able to fill Ron's shoes, but he will be a hard act to follow.

Marshall Lew
EERI Secretary/Treasurer

2005 Summary of Revenues and Expenses

Association Revenues (\$1,000s)

Meetings	\$142
Publications	28
Membership and Spectra Dues	499
Grants for G & A Programs	205
Interest and Other Income (G & A)	93

TOTAL REVENUES \$ 967

Association Expenses (\$1,000s)

Meetings	\$386
Publications	128
Membership and Spectra	336
Support Programs	42
Association Expenses	52

TOTAL EXPENSES \$944

TOTAL REVENUES (over) EXPENSES \$23

Grant Expenses (\$1,000s)

\$876

Summary of Endowment Fund Balance from Inception to 12/31/05

Net Revenues (\$1,000s)	\$2,514
Net Expenses (\$1,000s)	\$1,394

TOTAL REVENUES OVER EXPENSES (\$1,000s) \$1,120

2005 Direct Benefits of Membership

	2005 Expenses (\$1,000s)	Per Member
General Administration	\$ 33	\$ 15
Membership Services	77	34
Newsletter	46	19
Journal (2622 subscribers)	259	105
Support Programs	65	29
TOTAL	\$480	\$202

2005 Indirect Benefits of Membership

FEMA	\$ 299	\$131
Learning from EQs (NSF)	588	258
Endowment Fund	93	41
TOTAL	\$980	\$430
TOTAL DIRECT & INDIRECT BENEFITS	\$1,460	\$632

2005 Membership Report

<u>Individual Members</u>	2004	2005
Regular Members	1,594	1,512
Student Members	309	295
E-Student Members		103
Retired Members	69	64
Honorary Members	23	25
Affiliate Members	53	54
SSA	118	145
Young Professional	148	168
SUBTOTAL	2,314	2,366
<u>Institutional Members</u>		
Gold Subscribing Members	3	3
Bronze Subscribing Members		6
Subscribing Members	29	23
Institutional Members	34	29
SUBTOTAL	66	61
TOTAL MEMBERSHIP	2,380	2,427

2006 Budget for Revenues and Expenses

Revenues (\$1,000s)

Meetings	\$463
Publications	30
Membership and Spectra Dues	497
Endowment Programs	61
Grants	774
Contributions	18
Interest and Other Income	10
TOTAL REVENUES	\$1,853

Expenses (\$1,000s)

Meetings	\$506
Publications	126
Membership and Spectra	399
Endowment Programs	110
Support Programs	95
Grants	597
Association	55
TOTAL EXPENSES	\$1,888

REVENUES UNDER EXPENSES (\$35)

2005 Shah Family Prize Recipient



Rebekah Green

The Shah Family Innovation Prize Selection Committee awarded the 2005 prize to Rebekah Green in recognition of her outstanding leadership, entrepreneurship, and personal commitment in advancing earthquake mitigation and preparedness efforts in Central Asia. She has blended a unique understanding of cultural influences on decision-making with engineering insights in achieving meaningful risk reduction. Her leadership in bringing together builders, citizens, school teachers, and community leaders has led to innovations in housing construction, nonstructural mitigation, and public education. Rebekah has overcome personal challenges to improve the lives of many individuals who normally do not benefit from advances in earthquake engineering. She earned her Ph.D. in civil and environmental engineering at Cornell University, and is now a postdoctoral research scholar at the Earth Institute at Columbia University.

Endowed by a generous gift from the Haresh Shah family, the \$10,000 Shah Family Innovation Prize is awarded to younger professionals and academics in the earthquake field for creativity, innovation, and entrepreneurial spirit. For more information about the prize, the names of past recipients, and members of the Selection Committee, visit http://www.eeri.org/home/honors_shah_innovation.html.

Message from the President

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is not a “full employment” effort for the engineering community; rather, as Diane Feinstein said, “to not do something about this situation is ‘malpractice.’”

Beyond life safety, the numbers can help owners and public policy people make better decisions about mitigation, response, and recovery. It makes no sense for a manufacturer to house a million-dollar-a-day production facility in a building that

is likely to be out of commission after an earthquake. We also need the courage to point out unnecessary investments that simply don't pencil out. EERI must take the lead in changing the way we look at disaster risk management.

Finally, we can help make the world a safer place. The scenario indicates that those in the Bay Area in the next big quake have a 1 in 1,000 chance of being killed. The chances in Istanbul are 20 times worse. Potential losses in rural villages of developing countries are equally unacceptable. We know from experience

that effective and lasting mitigation must take place at the local level. EERI is supporting the International Association for Earthquake Engineering (IAEE) in a new global alliance to speak with one voice in support of those in communities at greatest risk from earthquakes and to provide them with the best information and guidance.

The conference has done wonders to raise our credibility locally, nationally, and globally. It is now our responsibility to use it to advance loss reduction at home and around the world.

Call for Abstracts

Coastal Sediments 07: Tsunami Response

Abstracts are invited for the thematic session “Tsunami Deposits and Coastal Response to Tsunamis” at the Sixth International Symposium on Coastal Engineering and Science of Coastal Sediment Processes—Coastal Sediments 07—to be held May 13-20, 2007, in New Orleans, Louisiana. Papers covering all aspects of tsunami sedimentation (field or laboratory studies of modern or paleotsunami deposits, modeling studies of tsunami sedimentation, and studies on coastal geomorphic change caused by tsunamis) are invited. Papers describing modeling efforts, quantitative prediction, and field studies of modern tsunamis that establish the relationship between tsunami flow and sedimentary deposits, as well as coastal response to tsunamis, are especially encouraged. Moderators are Bruce Jaffe, U.S. Geological Survey Pacific Science Center, Santa Cruz, California (bjaffe@usgs.gov) and Guy Gelfenbaum, U.S. Geological Survey, Menlo Park, California (ggelfenbaum@usgs.gov). Prospective authors are encouraged to discuss their abstract submission with the moderators in advance of the abstract deadline of

May 16, 2006, and to send a copy of the abstract to the moderators when finally submitted to the CS07 web site: <http://www.asce.org/conferences/cs07/abstract.cfm>.

Announcements

The UB-NEES Training Workshop

The University at Buffalo NEES Site will conduct a two-day User's Perspective Training Workshop September 18-19, 2006, for researchers and industry members of the earthquake engineering community who are prospective users of the UB-NEES Versatile Large Scale Hybrid Testing Laboratory. The workshop will provide a comprehensive overview of UB's facility and will include instruction and demonstrations on the applications, performance, and operation of the twin 6-degree-of-freedom shake tables, dynamic and static actuators, digital and analog controllers, data acquisition systems, and instrumentation. Instruction in and the applications of Real-Time Dynamic Hybrid Testing (RTDHT) will be included. This workshop will provide users with the necessary knowledge to assist them in the development of effective proposals, experiment design and planning, data handling, and archiving.

A limited number of seats will be available. Some training sessions will be web-cast and accessible through the NEES-Telepresence Network. For more information, interested parties should contact Tom Albrechcinski, UB-NEES Site Operations Manager, tma1@buffalo.edu.

2006 NEES Annual Meeting

The Fourth NEES Annual Meeting in Washington, D.C., June 21-23, 2006, will bring together members of the extended NEES community to share ideas and information about activities underway in the research, education, and IT segments of the network. The theme is “Broadening Participation Throughout NEES.” There will be sessions and presentations on such topics as collaboration with research organizations in the United States, international research collaboration, and outreach aimed at attracting groups that are traditionally underrepresented in earthquake engineering. The NEES Annual Meeting is open to the public; anyone may register to attend. For registration and program information, visit <http://www.nees.org/4am/>. The hotel room block cut-off date is May 15.

Learning from Earthquakes

M_w 7.0 Machaze, Mozambique, Earthquake of 23 February 2006

A major earthquake occurred in the sparsely populated and remote Machaze District in the south of Manica province, western Mozambique, shortly after midnight on 23 February. EERI member Julian Bommer and Clark Fenton of Imperial College, London, carried out field studies of the area one week after the M_w 7.0 event in conjunction with geologists from the Provincial Geological Survey in Manica. The field reconnaissance identified surface rupture on a previously unknown fault. The normal-faulting rupture strikes NNW and dips to the west, with a maximum offset of just over 2 m, accompanied in places by a component of left-lateral strike-slip. There was extensive liquefaction in the epicentral region, but surprisingly little damage to housing. Vernacular construction (wattle-and-daub) is inherently earthquake resistant, but there are also many unreinforced masonry dwellings in the area, and many of these survived with very light damage. Nonetheless, almost 300 houses were damaged or destroyed. Four people were reported to have been killed in the epicentral region, with another 30 injured. The earthquake raises interesting questions about the southern extent of the East African rift and the seismic hazard in Mozambique. A report on the earthquake will appear in the July/August issue of *Seismological Research Letters*.



View of the fault scarp with one of the local guides who led the investigators to this particular section of the fault trace.

Publications

Earthquake Scenario Guidelines

An earthquake scenario is a powerful way to stimulate mitigation planning in a community that is vulnerable to earthquake damage. *Guidelines for Developing an Earthquake Scenario* is a new EERI product supported by a grant from the Endowment Fund. It is downloadable at no charge from www.eeri.org.

EERI supported the development of the 2005 *Scenario for a Magnitude 6.7 Earthquake on the Seattle Fault*, which formed the basis for the *Guidelines* to be used by other regions interested in improving public awareness of earthquake risk. The *Guidelines* leads a mitigation advocate through simple steps to create a comprehensive and credible story about a community's most likely seismic hazards and the damage and losses projected to result from an earthquake.

Who should be included in scenario planning? How should the planning effort be organized, managed, and funded? What are the critical components of an earthquake scenario? What are the most effective ways to present the scenario to the public? These questions are answered in the *Guidelines*. Communities without current mitigation programs as well as those with policies currently in place can use the *Guidelines* to motivate public mitigation action.

Guidelines for Development of an Earthquake Scenario was selected for an Endowment Fund grant by EERI's Special Projects and Initiatives (SPI) Committee. Each year, the committee reviews proposals for innovative projects that advance the mission of EERI to reduce earthquake impacts. Ideas for new projects are welcomed. Please contact James Godfrey, EERI Special Projects Manager, for more information: jgodfrey@eeri.org.

Announcements

Nominations Sought for Prakash Award

The Shamsher Prakash Foundation is soliciting nominations for the 2006 Shamsher Prakash Annual Prize for Excellence in the Practice of Geotechnical Engineering, which is given to a young (less than 45 years old) engineer, scientist, or researcher from anywhere in the world.

Candidates should be specialists in geotechnical engineering or geotechnical earthquake engineering, have had significant independent contributions to the field, and show promise of future excellence. The award includes a cash prize of \$1,100.

Nominations are due on or before September 30, 2006. All nominations will be reviewed by a judging committee of international experts from Canada, Japan, the United Kingdom, and the United States. The award will be announced by December 31, 2006.

For information on submitting nominations, visit <http://www.yoga10.org>.

Nominations for ISET Trifunac Award

EERI member M. D. Trifunac, Honorary Fellow of the Indian Society of Earthquake Technology (ISET) and professor of civil engineering at the University of Southern California, Los Angeles, instituted the ISET Trifunac Award for Significant Contributions in Strong Motion Earthquake Studies.

The award (given every four years) consists of money and a citation. The award was instituted in December 2002, when it was given to Professor Francisco J. Sánchez-Sesma, UNAM, Mexico.

Any person, regardless of nationality, who has worked in strong motion earthquake studies may be considered for the award. This person need not be a member of ISET. The nominees may be engineers, scientists, and researchers from anywhere in the world. Nominations on plain paper must reach the president of ISET at shashfeq@iitrc.ernet.in before September 30, 2006. A PDF file with a detailed curriculum vitae including the following information must be sent for nomination: the nominee's date of birth, complete contact information, and a statement of 500 words on the nominee's significant contributions. For further information, please contact Dr. Vinay K. Gupta, editor, ISET, vinaykg@iitk.ac.in.

Conference on Public Health and Disasters

The 5th UCLA Conference on Public Health and Disasters will take place May 21-24, 2006, in Long Beach, California. The keynote talk on "Leadership for Unprecedented Events" will be given by Leonard Marcus of the Harvard School of Public Health and Joseph Henderson of the Centers for Disease Control and Prevention.

Conference sessions include National Disaster Management System Activation in a Public Health Response, WTC Evacuation, From Katrina to Kashmir: A Tale of Two Disasters, Mental Health of Disaster Responders, Pros and Cons of Military in Disasters, Sheltering Displaced Populations, Information Technology in Field Data Collection, and Public Health Incident Command System. The diverse topics will be relevant to public health and medical practitioners, emergency medical services professionals, researchers, and managers involved in the wide range of emergency public health issues resulting

from natural and human-generated disasters.

For more information and to register, visit www.cphd.ucla.edu.

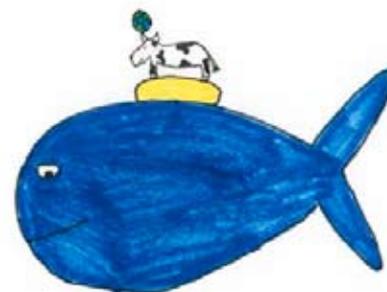
Job Announcement

Postdoc Position in Norway

NORSAR, an independent research foundation in Norway, has announced a two-year assignment for a postdoctoral scientist to conduct basic and applied research within engineering seismology, with emphasis on work related to seismic hazard, risk, and loss evaluation.

The postdoc will be engaged in international projects. The candidate's ability to document and present work and results in writing and orally, and to represent NORSAR internationally, will be essential. For more information, visit <http://www.norsar.no/NORSAR/job.html>, or contact Dr. Conrad Lindholm, conrad.lindholm@norsar.no.

Applications with documentation of competence and experience should be e-mailed as soon as possible to Ms. Winnie Lindvik, winnie@norsar.no.



According to an East African earthquake legend, the earth is supported by a cow standing on a rock held up by a giant fish. The cow tosses the earth from horn to horn, causing earthquakes. (Drawing by Hope.)

CALENDAR

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

MAY

5. Tall Bldgs Mtg., Los Angeles, CA. Info: www.tallbuildings.org (4/06)

14-19. Management of Urban Earthquake Risk in Central Asia and the Caucasus Countries, Istanbul, Turkey. Info: <http://www.koeri.boun.edu.tr/deprenmuh/natoconference/nato.htm> (3/06)

15-19. Seismic Hazard Analyses for Critical Facilities Workshop, Miramare, Italy. Info: www.agenda.ictp.it/smr.php?1747 (1/06)

16-17. Restoration 2006: Community & Economic Recovery after a Disaster, New Orleans, LA. www.restoration2006.org (2/06)

17-19. 8CONVESIS, Valencia, Venezuela. Info: www.uc.edu.ve/ (4/06)

19-21. SECTAM XXIII, Mayagüez, Puerto Rico. Info: civil.uprm.edu/sectam (10/05)

21-24. 5th UCLA Conf. on Public Health and Disasters, Long Beach, CA. Info: www.cphd.ucla.edu/. See **Page 10**. (9/05, 3/06, 5/06)

31-June 2. 10th Int'l Conf. on Piling & Deep Fdn., Amsterdam, Netherlands. Info: www.pilinganddeepfoundations.com (12/05, 3/06)

JUNE

8-10. Int'l Sym. on Technology & Society, New York, NY. Info: www.ieee.org/ssit (12/05)

15-17 Int'l Wkshop on Base-Isolated High-Rise Buildings, Yerevan, Armenia. Info: kavaneso@aua.am (3/06)

18-21. ECl Geohazards Conf., Lillehammer, Norway. Info: www.engconfintl.org/6ag.html (9/05)

18-21. 16th World Conf. on Disaster

Management, Toronto, Canada. Info: www.wcdm.org (11/05)

19-21. Risk Analysis 2006, Malta. www.wessex.ac.uk/conferences/2006/risk06/index.html (12/05)

21-23. 4th NEES Annual Meeting, Washington, D.C. Info: www.nees.org/4am/. See **page 8**. (11/05, 5/06)

JULY

11-13. The 4th World Conf. on Structural Control and Monitoring (4WCSCM), UC San Diego. Info: www.usc.edu/4wcscm (3/06)

16-22. Minisymposium on Modeling and Simulation of EQ Phenomena at 7th World Congress on Computational Mechanics, Los Angeles, CA. Info: <http://www.wccm2006.northwestern.edu> (3/06)

AUGUST

8-12. 2nd Latin-American Congress of Seismology, Bogotá, Colombia. Info: <http://www.geoslac.org/congreso/english/index.html> (4/06)

14-17. 5th Int'l Conf. on Behavior of Steel Structs. in Seismic Areas (ST-ESSA), Tokyo, Japan. Info: www.serc.titech.ac.jp/stessa2006 (2/05)

27-Sep. 1. Int'l Disaster Reduction Conference (IDRC), Davos, Switzerland. www.davos2006.ch (2/06)

SEPTEMBER

3-8. 1st European Conf. on EQ Eng. & Seismology, Geneva, Switzerland. Info: www.ecees.org (1/05, 1/06)

8-9. Int. Conf. on Earthquake Engineering, Lahore, Pakistan. Info: www.uet.edu.pk/icee/ (4/06)

10-14. 23rd Ann'l Conf. of the Ass'n of State Dam Safety Officials (ASDSO), Boston, MA. www.damsafety.org (2/06)

10-15. Int'l Conf. on Infrastructure Development and the Environment (ICIDEN), Abuja, Nigeria. www.iseg.giees.uncc.edu/abuja2006/callabstracts.cfm (2/06)

18-19. UB-NEES Training Workshop, University of Buffalo, NY. See **page 8**. (5/06)

18-20. 5th Nat'l Seismic Conf. on Bridges and Highways, San Francisco, CA. Info: mceer.buffalo.edu/meetings/5nsc/default.asp (1/06)

25-Oct. 7. 8th Wkshp. on 3-D Modeling of Seismic Wave Generation, Propagation, and Inversion, Miramare, Italy. Info: agenda.ictp.it/smr.php?1775 (1/06)

OCTOBER

4-6. Deep Fdn. Inst. Annual Conf., Washington, D.C. Info: www.deepfoundations06.org (12/05)

11-13. 7th Int'l Cong. on Advances Civil Eng., Istanbul, Turkey. Info: www.ace2006.yildiz.edu.tr/ (12/05)

12-13. 4th Int'l Conf. on EQ Eng. (4ICEE), Taipei, Taiwan. Info: icee2006.ncrec.org.tw/ (10/05)

2007

FEBRUARY

7-10. EERI Annual Meeting, Los Angeles, CA (3/06)

MAY

13-20. Coastal Sediments 07, New Orleans, LA. See **page 8**. (5/06)

JUNE

1-3. 10th North American Masonry Conference, University of Missouri at Rolla. <http://www.masonrysociety.org/NAMC/index.html> (3/06)

25-28. 4th Int'l Conf. on EQ Geotech. Eng. (4ICEGE), Thessaloniki, Greece. www.secreteriat@4icege.org (2/06)

27-29. 9th Canadian Conf. on EQ Eng. (9CCEE), Ottawa, Canada. www.9ccee.ca. Abstract deadline extended to May 8, 2006. (2/06)

2008

AUGUST

6-9. 6th Int. Conf. on Case Histories in Geotech. Eng. (6ICCHGE), Washington DC. <http://campus.umn.edu/6icchge/index.html> (4/06)

OCTOBER

12-17. 14th World Conf. on EQ Eng., Beijing, China. Info: www.14wcee.org (12/05)

100th Anniversary EQ Conference Highlights

continued from page 1

On Tuesday, the conference began at 4:30 a.m. with a visit to Lotta's Fountain to mark the 100th anniversary of the 1906 earthquake. Other special events included a field hearing of the U.S. Senate Subcommittee on Disaster Prediction and Prevention led by U.S. Senators Jim DeMint (R-South Carolina) and Barbara Boxer (D-California) and a speech by California Governor Arnold Schwarzenegger.

Speakers at the All-Conference Luncheon included Assemblyman Sam Blakeslee (R-California), House Minority Leader Nancy Pelosi (D-California), U.S. Transportation Secretary Norman Mineta, Acting Secretary of the Department of the Interior Lynn Scarlett, and FEMA Director of Mitigation, David Maurstad, followed by the presentation of the 2006 Alquist Award. In the evening, a Joint Reception was held at the San Francisco Museum of Modern Art.

At noon on Wednesday, U.S. Senator Dianne Feinstein gave an address on the roles of politicians and earthquake professionals in preparing for earthquakes and other disas-

ters. This was followed by the EERI Annual Business Luncheon, which included presentations of annual reports by President Comartin and Treasurer Lew (see page 6), and the presentation of annual awards. In the evening, following a reception hosted by Anchor Brewing/Harper Collins/RMS, a satirical musicale, written and directed by Sarah Nathe, was performed at the EERI Banquet.

Thursday's plenary session presented a scenario of a repeat of the 1906 San Francisco earthquake. The Association of Bay Area Governments held their General Assembly. EERI's Annual Honors Luncheon featured Kathleen Tierney giving the EERI Distinguished Lecture. In the evening, there was a reception for EERI Subscribing Members and Endowment Donors.

On Friday, the conference came to an eloquent close with speeches and a discussion of future collaboration by SSA president Michael Fehler, OES Deputy Director Paul Jacks, and EERI President Craig Comartin. The conference closed

with reflections on the conference and future challenges by Conference Chair, Chris Poland.

The June *Newsletter* will have more information on the Distinguished Lecture, the Outstanding Paper Awards, and the Alquist Award.

Publication

ISET Publishes Tsunami Issue

The December 2005 issue of the Indian Society of Earthquake Technology (ISET) *Journal of Earthquake Technology* is a special issue on "Tsunami Seismic Hazard," guest edited by Professor Stefano Tinti of the University of Bologna, Italy. The issue contains ten papers and three technical notes, which were contributed by experts from all over the world and selected after a rigorous review process.

The price of this issue is \$50 plus shipping. For ordering information and to see the table of contents, visit <http://home.iitk.ac.in/~vinaykg/iset.html>.



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