



2004 EERI ENDOWMENT FUND ANNUAL REPORT

2004 Special Projects and Initiatives Committee:

Rich Eisner, Chair; Craig Comartin, *Board contact*; John Hooper; William Iwan;
Farzad Naeim, Ellen Rathje; Susan Tubbesing, *ex officio*.

New Programs of the Special Projects and Initiatives Committee

To more accurately describe the work of the group that selects new projects to be supported by the Endowment Fund each year, the Endowment Committee changed its name to the Special Projects and Initiatives (SPI) Committee. SPI continues to review new proposals for funding and chooses those particularly innovative projects that are sustainable and will advance the mission of EERI.

In 2004, SPI awarded \$20,000 to the Northern California Chapter of EERI to fund activities of Quake 06, a series of public education events leading up to the 100th anniversary of the San Francisco earthquake. One event brought BART officials, engineers, and the media together for a tour of the tunnel that takes the transit system below the Bay, connecting the cities of San Francisco and the East Bay. The tour served to publicize the seismic vulnerabilities of this critical link in the Bay Area's transportation network. Another workshop analyzed the vulnerabilities and strengths of the water utilities in the East Bay. To find out more about Quake 06, visit the web site, <http://www.quake06.org/quake06.html>.

\$15,000 was awarded to the Small Grants Program for Developing Countries. Mitigating earthquake risk in developing countries is particularly difficult. For example, many countries lack the basic infrastructure for the proper practice of structural engineering: seismic codes cannot be effective because there are no mechanisms for code implementation.

Because different countries need different approaches to mitigating seismic risk, the best intervention is through support of local efforts and by building leadership capacity in communities. A small grant in the range of \$1,000 to \$3,000, awarded to a local leader of an innovative project, can make a large difference in earthquake safety in developing countries.

The Small Grants Program is managed by a Steering Committee that consists of members of the World Housing Encyclopedia (WHE) editorial board—experts who are familiar with earthquake engineering issues in developing countries. Sudhir K. Jain of India chairs the group, which includes WHE editor-in-chief Svetlana Brzev, Canada; Farzad Naeim, USA; Mario Rodriguez, Mexico; and Marjorie Greene, EERI. The World Housing Encyclopedia was initiated in 2001 with Endowment Funds. Documentation of completed Small Grants Program projects will be published on the WHE web site, www.world-housing.net.

In 2004, the Small Grants Program selected innovative projects in India, Peru, and Turkey for awards. In India, \$1,000 will fund a two-day workshop that will train unskilled construction workers in earthquake resistant construction methodologies for masonry structures. The small grant will fund the development of new resource material and laboratory demonstrations, as well as travel and boarding for workshop participants. Training materials and documentation of the workshop will be distributed by EERI to help initiate similar efforts in other countries.

In Peru, a grant of \$3,000 will support the completion, printing, and distribution of a manual that explains safe construction techniques for masonry buildings, using simple diagrams and language aimed at semi-skilled workers. The manual will be published in Spanish for Peruvian audiences and will be translated into English for distribution through EERI to reach builders in other countries.

In Turkey, a \$3,000 grant will fund an education program in earthquake preparedness for muhtars, the traditional leaders of Istanbul neighborhoods. Provided with training manuals, the muhtars will build neighborhood preparedness teams that can help fellow residents in a disaster and coordinate efficiently with government response agencies. Again, training materials and an evaluation report will be made available to similar programs in other countries.

The Small Grants Selection Committee reviews new international projects on an ongoing basis and invites interested parties to submit proposals for innovative mitigation efforts. To find out more about the Small Grants Program for Developing Countries, visit the web site, http://www.eeri.org/small_grants_annnc.pdf.

An Update:

The Seattle Fault Scenario, a project funded by the Endowment Fund in 2002, was adopted by the Washington State Emergency Management Department (EMD). Washington EMD will publicly release the comprehensive Scenario on the anniversary of the Nisqually earthquake in February 2005.

Shah Family Innovation Prize

The 2004 Shah Family Innovation Prize was awarded to Professor Gustavo Parra-Montesinos of the University of Michigan in recognition of his outstanding research and innovative application of High Performance Fiber Reinforced Cement Composites in earthquake resistant structures. Applications of HPFRCC to reinforced concrete members subjected to large shear force reversals such as those that occur in structural walls, coupling beams, and beam-column connections hold substantial promise for future implementation. He is also recognized for his leadership in promoting activities which involve high-school and minority students, and for his service on many technical committees of EERI, ASCE, and ACI.

Friedman Family Visiting Professional Program

Through a generous gift, David Friedman, Paulette Meyer, and other members of David's family underwrite the Visiting Professionals Program. The Program enables EERI student chapters to meet with leaders in the field of earthquake engineering and learn, through lectures and informal sessions, about current issues and new directions in the industry. The following visits were supported by the Friedman Family Program in 2004:

- Leo Argiris to Notre Dame
- Leslie Robertson to Oregon State University
- Loring Wyllie, Jr. to University of Michigan
- Chris Poland to University of Minnesota
- David Friedman to University of Puerto Rico, Mayaguez, and University of Buffalo (SUNY)

2004 Financial Report

Contributions

Endowment Fund Value	\$1,079,635
EERI contribution to principal	(\$14,916)
Member contributions to principal	50,204
Friedman Family Fund	5,728
Shah Innovation Prize	<u>3,674</u>

Endowment Fund Total	\$1,069,035
Expendable Balance	10,600

SPI Committee Program Funding

Endowment earnings used for programs	\$62,598
FEMA contribution for programs	14,833
Endowment principal used for programs	14,916
Friedman Family Fund	<u>7,480</u>

Total Funding	\$99,827
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Expenditures

Administration	\$11,945
Program Costs:	
Visiting Professionals	7,480
N.CA chapter (Quake 06)	11,475
Small Grants	13,639
Regional Scenario	<u>55,288</u>
Total Expenditures	\$99,827

2004 Endowment Fund Donors

\$2,000 to \$5,000

Friedman, David A.
and Paulette J. Meyer
Idriss, I.M.

\$1,000 to \$1,999

Allen, Clarence R.
Coil, John McKee
Josephson, Carl H.
Martin Sr., John A.
Nordenson, Guy J.P.

\$500 to \$999

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Chittenden, Terry R.
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Perry, Cynthia L.
Shapiro, Daniel
Valley, Michael
Yanev, Peter I.

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Tubbesing, Susan K.
Whitman, Robert V.

\$100 to \$199

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