

# 2005 EERI ENDOWMENT FUND ANNUAL REPORT

## 2005 Special Projects and Initiatives Committee:

Rich Eisner, *Chair*; Craig Comartin, *Board Contact*  
John Hooper, Nathan C. Gould, Marshall Lew, Keith Porter, Kimberley Shoaf,  
Ellen Rathje, Susan Tubbesing

## An Overview of the Endowment Fund

The EERI Endowment Fund was established in 1994 to improve the science and practice of earthquake engineering and related disciplines in order to reduce the impacts of earthquakes. Members contribute to the Fund by donating amounts beyond their standard membership fees.

Funding is used to initiate new or unique ventures. Each year, the Special Projects and Initiatives (SPI) Committee solicits proposals, then selects small, creative projects for support that recognize the multidisciplinary challenge of earthquake risk reduction and the broad geographic and professional composition of EERI's membership. Individual members of the SPI Committee provide oversight on the selected projects. It is hoped that Endowment projects will grow into larger ventures, supported in part by EERI's partner organizations in promoting earthquake risk reduction.

Programs supported by the Fund identify gaps in research, improve application and practice, and facilitate public policy that leads to effective reduction of earthquake risks. The Endowment Fund aims to mobilize additional intellectual and financial resources to address the following critical issues:

- Foster greater interaction between the disciplines within the earthquake community.
- Improve the general level of expertise within the earthquake risk reduction community.
- Increase the amount and quality of research contributions to earthquake risk reduction.
- Encourage the transfer of research results and knowledge through improved codes, design standards, and construction practices.
- Heighten priority of earthquake risk reduction among policy makers, building owners, the technical community and the general public.
- Develop cooperative relationships.

## 2005 SPI Projects

**Seattle Scenario** On February 28, 2005, the fourth anniversary of the magnitude 6.8 Nisqually earthquake, the Seattle Scenario was unveiled to earthquake engineers, the business community, and policy makers of Washington's Puget Sound region. The Scenario describes the impact of a magnitude 6.7 earthquake on the Seattle Fault. The recently documented fault runs through the cities of Seattle and Bellevue, crossing major regional transportation networks and critical energy and water lifelines. The scenario projects the social and economic disruptions to the region.

EERI Endowment funds supported the two-year planning effort, which brought together professionals from various disciplines, private organizations, and various levels of government. The media in Washington provided extensive coverage of the Seattle Scenario, raising public awareness of earthquake risk. The report has since stimulated planning meetings among government agencies and business groups to develop earthquake mitigation policies that address the vulnerabilities described by the Scenario.

The Seattle Scenario is available through the website, <http://seattlescenario.eeri.org/>.

## 2005 SPI Projects, continued

### **Small Grants Program for Developing Countries**

Six innovative mitigation projects in countries without the resources to support seismic safety programs were completed with Endowment funds. Unskilled construction workers received training in seismic construction techniques in Bangladesh, India, and Peru. In Nepal, teachers and high school students were trained in earthquake preparedness. In Serbia, the dangerous vertical expansion of existing URM buildings was documented for the first time, providing data to support stronger building regulations. The materials created by these projects will be available through EERI's website to advocates interested in starting low-cost, community-based mitigation programs in their own countries.

### **Quake 06**

In the two years leading to the 100<sup>th</sup> Anniversary Earthquake Conference, the Northern California Chapter of EERI received Endowment funds to support mitigation activities that brought public attention to the earthquake risk in the San Francisco Bay Area. Workshops bringing private and government organizations together provided opportunities to learn about Federal mitigation resources for schools, about the seismic strengthening of the BART system, and an overview of earthquake planning undertaken by the region's water utility districts. Examples of innovative mitigation programs initiated by governments and businesses in the Bay Area were documented. Summaries of these activities can be viewed at the web site, <http://www.quake06.org>.

## **Friedman Family Visiting Professional Program**

David A. Friedman, Paulette J. 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 trends in the industry. For more information about the Program, visit <http://eeri.org/home/friedman/html>. The following visits were supported by the Visiting Professional Program in 2005:

- Leslie E. Robertson to University of Notre Dame
- Faiz I. Makdisi to University of Puerto Rico, Mayaguez
- David A. Friedman to Georgia Institute of Technology
- William T. Holmes to University of British Columbia, Vancouver
- Ramin Golesorkhi to University of Illinois, Urbana-Champaign

## **Shah Family Innovation Prize**

The 2005 Shah Family Innovation Prize was awarded to Dr. Rebekah Green in recognition of her outstanding leadership, entrepreneurship, and personal commitment in advancing earthquake mitigation and preparedness efforts in Central Asia. Dr. Green's contributions in advancing risk reduction programs blend a unique understanding of cultural influences on risk decision-making with engineering insights. Her leadership in bringing together builders, citizens, community leaders, engineers, and school teachers has advanced public education about earthquake risks. Her entrepreneurship in designing and implementing appropriate earthquake engineering solutions has resulted in innovations in non-structural mitigation for developing countries. Dr. Green has persevered by "going the last mile" in implementing engineering knowledge to improve the lives of citizens who normally do not benefit from these advances.

## 2005 Financial Highlights

### Inception to Date

EERI Contribution to Principal	\$381,934
Member Contribution to Principal	368,093
Member Contribution for Programs	14,125
Friedman Family Fund	187,696
Shah Innovation Prize	<u>167,806</u>

**Endowment Fund Total** **\$1,119,655**

### SPI Program Funding, 2005

SPI earnings used for programs	\$33,895
FEMA contribution for programs	10,000
Endowment principal used for programs	(34,017)
Friedman Family Fund	6,689
Member Contribution to programs	<u>62,478</u>
<b>Total Funding</b>	<b>\$79,045</b>

### SPI Expenditures, 2005

Administration	\$14,556
Program Costs	
Internships	6,689
World Housing Encyclopedia	9,229
N. California Chapter	22,093
Small Grants	17,381
Seattle Scenario	9,097
<b>Total Expenditures</b>	<b>\$79,045</b>

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