

MARJORIE R. GREENE

EDUCATION

- M.U.P. Masters of Urban Planning
University of Washington
Seattle, Washington
Community Planning
University of British Columbia
Vancouver, Canada
- B.A. Geography,
University of California, Davis
High honors
Geography,
University of Lund, Sweden

PROFESSIONAL POSITIONS

- August 1994 –2001; **Special Projects Manager**
2006 to present Earthquake Engineering Research Institute

EERI is a 501(3)(c) professional association for earthquake engineering. Responsibilities include designing workshops and seminars for engineers and local government officials, developing and overseeing production of a range of publications and products for engineers and others in the field of earthquake risk reduction, serving as staff to projects supported by the EERI Endowment Fund, administering the Learning from Earthquakes Program for the National Science Foundation. Project manager for *World Housing Encyclopedia*. Coordinate with project steering committee and 160 project participants from 45 different countries. Co-chair of California Earthquake Clearinghouse, a consortium of California state agencies that will coordinate post-earthquake scientific and engineering investigations in the state.

August 2001 to 2006

Learning from Earthquakes Program Manager
Earthquake Engineering Research Institute, Oakland, CA

Project Manager for National Science Foundation-funded program (\$3.1 million) that send out multi-disciplinary teams to investigate damaging earthquakes around the world. Responsibilities included establishing and maintaining contacts with earthquake professionals (engineers, architects, social scientists) in many earthquake-prone countries, overseeing production of publications, training programs, web site. Organized workshops, conference sessions.

September 1994 to 2000

Short-term consultant, World Bank, Washington DC

Provided technical assistance to World Bank staff on project in Bangladesh, investigating role of microfinance organizations in mitigation, and on earthquake rehabilitation project in Maharashtra. Provided technical assistance to Government of Maharashtra regarding the development of their disaster management program after the 1993 Killari earthquake.

September 1984 to 1994

Senior Program Planner
California Governor's Office of Emergency Services

Provided technical assistance on earthquake and disaster preparedness to a wide array of local government officials, including building and planning officials, emergency managers, city managers, school officials, community-based organizers and representatives of business community. Organized seminars, developed publications, facilitated workshops related to disasters, primarily earthquakes, and emergency management. Lead staff for the Housing Function, Disaster Field Office, Northridge Earthquake, January-May 1994. Worked with local officials to identify impacts of earthquake on housing stock and ability to finance and repair stock. Lead staff to Governor's Housing Task Force, with membership from local, state and federal agencies

1978--1984

Research Scientist
Battelle Human Affairs Research Center.

Participated in wide array of sponsored social science research projects, including social and economic impact assessment of energy developments, and identification of local government planning issues in emergency management. Investigated new town concept and its applicability to development occurring near U.S. Department of Energy sites. In 1982—84, lived off-site in Skopje, Macedonia (now The Former Yugoslav Republic of Macedonia or TFYRM). Investigated the long-term recovery issues faced by the city of Skopje in its rebuilding after the 1963 earthquake.

1975-1978

Research Specialist
Battelle Human Affairs Research Center

Investigated the new town concept and its applicability to development occurring near U.S. Department of Energy sites.

1974-1975

Teaching Assistant

Department of Urban Planning, University of Washington

Assisted with the preparation of lectures and grading of papers in introductory urban planning classes.

1973

Planning Intern

District of Coquitlam, British Columbia, Canada

Drew up new subdivision plots for the district, worked at the zoning counter, answering questions from the public.

SELECTED EERI PROJECTS, PUBLICATIONS AND AV MATERIALS IN THE LAST FIVE YEARS:

Served as an author, editor or production manager on the following EERI publications and products:

Publications:

Stone Masonry Tutorial

The Concrete Coalition and the California Inventory Project: An Estimate of the Number of Pre-1980 Concrete Buildings in the State

AT RISK: The Seismic Performance of RC Frame Buildings with Masonry Infill

Projects and websites:

World Housing Encyclopedia (www.world-housing.net)

Confined Masonry Network (www.confinedmasonry.org)

Concrete Coalition (www.concretecoalition.org)

Developing Earthquake Scenarios (www.nehrpscenario.org)

Learning from Earthquakes (<https://www.eeri.org/projects/learning-from-earthquakes-lfe/lfe-reconnaissance-archive/>)

virtual earthquake clearinghouses (<http://www.eqclearinghouse.org/>)

the Housner Fellows Leadership Program (<https://www.eeri.org/projects/housner-fellows-program/>)

the World Housing Encyclopedia and USGS PAGER project (<http://www.world-housing.net/related-projects/whe-pager-project/about-this-project>)

Reconnaissance coordination: coordinated reconnaissance teams and/or reports for 52 events in the last 5 years, including 21 reconnaissance teams from the U.S.

PRIMARY AUTHOR OR EDITOR:

Served as primary author or editor on the following EERI publications and audio-visual materials:

EERI Newsletter Inserts on the following earthquakes: Molise, Italy (Oct 02); Denali, Alaska (Nov 02), Colima, Mexico (Jan 03); Bingol, Turkey (May 03); Boumerdes, Algeria (May 03).

Collection and Management of Earthquake Data: Defining Issues for an Action Plan. 2003.
An Introduction to EERI's Learning from Earthquakes Program 2002. (video).
The El Salvador Earthquakes of 2001. (CD with images and reports)
Annotated Images from the Bhuj, India Earthquake of January 26, 2001 (CD)
Financial Management of Earthquake Risk, May 2000.
Resisting the Forces of Earthquakes. 2000. (video).
Lessons Learned Over Time: Learning from Earthquakes Series. Innovative Earthquake Recovery in India, 1999.
Research Needs Emerging from Recent Earthquakes, November 1999.
Investigating Incentives to Improve the Implementation of Performance-Based Seismic Design in New and Existing Buildings, September 1999.
Incentives and Impediments to Improving the Seismic Performance of Buildings, June 1998.
Ethical Issues and Earthquake Risk Reduction, January 1998.
Construction Quality, Education and Seismic Safety, April 1996.
Public Policy and Building Safety, January 1996.
The Hyogo-Ken Nanbu Earthquake, January 17, 1995. Preliminary Reconnaissance Report.

Major author of following publications from California Governor's Office of Emergency Services:

Earthquake Recovery: A Survival Manual for Local Government, 1993.
Earthquake Basics. Liquefaction. What it is and what to do about it. 1993.
Findings and Recommendations: Symposium on Policy Issues in the Provision of Post-earthquake Shelter and Housing, October 1992.
Proceedings: Joint Symposium on Earthquake Hazard Management in Urban Areas, September 1992

PEER-REVIEWED JOURNAL PAPERS AND CONFERENCE PAPERS

Anagnos, T., Comerio, M., Goulet, C., May, P., Greene, M., McCormick, D., and Bonowitz D., 2012. *Developing Regional Building Inventories: Lessons from the Field*
Earthquake Spectra Nov 2012, Vol. 28, No. 4 (November) pp. 1305-1329

Barrington, L. et al (2011), *Crowdsourcing Earthquake Damage Assessment Using Remote Sensing Imagery*, **Journal of Geophysics**, December.

Bauman, C. and Greene, M. 1995. "Revision of the Community Safety Element: the San Francisco Experience". In Proceedings of the 5th International Conference on Seismic Zonation, Nice, France, October 17-19, 1995. Nantes Cedex, France: Ouest Editions.

Bolton, P. A., S. G. Heikkala, M. R. Greene, and P. J. May, 1986. **Land Use Planning for Earthquake Hazard Mitigation: A Handbook for Planners.** Special Publication #14. Natural Hazards Research and Applications Information Center, Boulder, Colorado.

Brzev, S. and Greene, M. (2002). “The Web-Based Encyclopedia of Housing Construction Types in Seismically Prone Areas of the World”, **Proceedings, 2002 Technology Conference**, Association of Collegiate Schools of Architecture, Portland, Oregon.

Brzev, S., Greene, M., Alcocer, S., Arnold, C., Cherry, S., Comartin, C., Davis, I., Naeim, F., Sinha, R. pending. “Development of a Web-Based Encyclopedia of Housing Construction Types in Seismically Prone Areas of the World”. to be published in **Proceedings: 12th European Conference on Earthquake Engineering, London, September 2002**. London: Elsevier Science Ltd.

Brzev, S., Greene, M., Alcocer, S., Arnold, C., Cherry, S., Comartin, C., Davis, I., Naeim, F., Sinha, R. pending “The Web-Based Encyclopedia of Housing Construction Types in Seismically Prone Areas of the World” to be published in **Proceedings: 7th U.S. National Conference on Earthquake Engineering, Boston, July 2002**. Oakland, CA: Earthquake Engineering Research Institute.

Brzev, S., Greene, M., Alcocer, S., Arnold, C., Cherry, S., Comartin, C., Davis, I., Naeim, F., and Sinha, R.(2002). “The Web-Based Encyclopedia of Housing Construction Types in Seismically Prone Areas of the World”, **CD-Rom Proceedings of the Twelfth European Conference on Earthquake Engineering**, London, U.K..

Brzev, S., Tomazevic, M., Lutman, M., Bostenaru, M., D'Ayala, D., Greene, M. (2003). The World Housing Encyclopedia: An Online Resource on Housing Construction in High Seismic Risk Areas of the World. **Proceedings of the International Conference to Mark 40 Years from the Catastrophic 1963 Skopje Earthquake and Successful City Reconstruction**, Skopje, Republic of Macedonia (to be published).

Eisner, R. and Greene, M. 1991. “State of the Art Paper: Social Science and Public Policy Issues in Seismic Zonation” in **Proceedings of the Fourth International Conference on Seismic Zonation**, Stanford, CA. Oakland, CA: Earthquake Engineering Research Institute.

Eisner, R. and Greene, M. 1986. “Preparing for Earthquakes: What California Cities can Learn from the Mexico City Disaster” **Western City**, Vol. LXII, No. 6, June.

Ghosh, S. et al (2011) *Crowdsourcing for Rapid Damage Assessment: The Global Earth Observation Catastrophe Assessment Network (GEO-CAN)*, **Earthquake Spectra** Oct 2011, Vol. 27, No. S1, pp S179—S198

Gori, P. and Greene, M. 1987. “The Influence of National Attention on Long-term Earthquake Preparedness Policy in Charleston, South Carolina”, **Earthquake Spectra**, Volume 3, Number 1, February.

Greene, M., 2006. "User Perspectives on the Role of Remote Sensing for Disaster Management". In **Proceedings of the 4th International Workshop on the Role of Remote Sensing in Disaster Response**, Cambridge, United Kingdom, September.

Greene, M. 2003. "Earthquake Rebuilding in California: Between Events". In **Proceedings of Gujarat State Disaster Management Authority International Conference on Earthquake Recovery**, September 30, 2003.

Greene, M. 1987. "Skopje, Yugoslavia: Seismic Concerns and Land Use Issues During the First Twenty Years of Reconstruction Following a Devastating Earthquake", **Earthquake Spectra**, Volume 3, Number 1, February.

Greene, M. and Brzev, S. 2001. "Encyclopedia of Housing Construction Types in Seismically Prone Areas of the World", **United Nations 2001 World Disaster Reduction Campaign, International Strategy for Disaster Reduction**, Geneva, Switzerland (<http://www.unisdr.org/unisdr/camp2001.htm>)

Greene, M. and Brzev, S. 2003. The Web-based World Housing Encyclopedia: Housing Construction Types from Earthquake-Prone Areas of the World. **Proceedings of the 7th U.S.-Japan Workshop on Urban Earthquake Risk Reduction**, Maui, Hawaii, March.

Greene, M., Eguchi, R., Barrington, L., Bevington, J., Crowley, H., Gill S., King, A., Lin, A., Saito, K., Spence, R., and Wood, P. 2011. "Improving GEO-CAN: Crowd-Sourcing Opportunity to Analyze Imagery from Christchurch New Zealand". **Proceedings of the 9th International Workshop on Remote Sensing to Improve Disaster Response**, Stanford, CA, September.

Greene, M. and Gori, P. 1982. *Earthquake Hazards Information Dissemination: A Study of Charleston, South Carolina*. Open-File Report 82-233 for the U.S. Geological Survey.

Greene, M. and Pantelic, J. 1991. "Problems of Temporary and Permanent Housing Following Earthquakes", in **Proceedings of the International Symposium on Building Technology and Earthquake Hazard Mitigation**, Kunming, China, March.

Greene, M. and Schulz, P. 1987. "Political, Social, and Economic Problems in the Abatement of Seismic Hazards in Gas and Liquid Fuel Pipelines and Facilities", in **Abatement of Seismic Hazards to Lifelines: Proceedings of a Workshop on Development of An Action Plan**, Volume 6, FEMA 143, August.

Greene, M., Krimgold, F. Pantelic, J. 1998. "The Post-Earthquake Reconstruction and Disaster Management Program in Maharashtra, India" in **Proceedings. Sixth U.S. National Conference on Earthquake Engineering**, May 31-June 4, 1998. Oakland, CA: Earthquake Engineering Research Institute.

Greene, M., Perry, R., and Lindell, M. 1981. "The March 1980 Eruptions of Mt. St. Helens: Citizen Perceptions of Volcano Hazard". **Disasters** 5(1): 49-66.

Greene, M., Power, M. and Youd., L. 1993. "*Earthquake Basics Brief No. 1: Liquefaction. What it is and what to do about it*". Oakland, CA: Earthquake Engineering Research Institute.

Greene, M., Godavitarne, C., Kringgold, F., Nikolic-Brzev, S., Pantelic, J. 2000. "Overview of the Maharashtra, India Emergency Earthquake Rehabilitation Program" in **Proceedings. 12th World Conference on Earthquake Engineering, Auckland, New Zealand, January 30-February 4, 2000**. Upper Hutt, New Zealand: New Zealand Society for Earthquake Engineering

Pantelic, J., Greene, M., Nikolic-Brzev, S., Kringgold, F. 2000. "Disaster Recovery and Mitigation as Sustainable Development Tools: The Case of the 1993, Maharashtra (India) Earthquake". in **Proceedings. 12th World Conference on Earthquake Engineering, Auckland, New Zealand, January 30-February 4, 2000**. Upper Hutt, New Zealand: New Zealand Society for Earthquake Engineering.

Perry, R. and Greene, M. 1982. **Citizen Response to Volcanic Eruptions**. New York: Irvington Publishers.

Perry, R. and Greene, M. 1982. "Emergency Management in Volcano Hazards". **The Environmental Professional** 4(fall): 340-350.

Perry, R., Greene, M., and Lindell, M. 1980. "Enhancing Evacuation Warning Compliance: Suggestions for Emergency Planning". **Disasters** 4(3).

Perry, R., Greene, M., and Lindell, M. 1981. "Flood Warning: How Citizens' React After the Warning Message". **The Hazard Monthly** 1(11):1-6.

Perry, R., Lindell, M., and Greene, M. 1981. **Evacuation Planning in Emergency Management**. Lexington, Mass: Heath-Lexington Publishers.

SELECTED MAJOR PRESENTATIONS

The Role and Importance of an Independent Multidisciplinary Technical Society, with Examples of the Benefits to the Earthquake Professions, *China/USA Symposium for the Advancement of Earthquake Sciences and Hazard Mitigation Practices*, 2010, Beijing and Beichuan China

U.S. School Safety programs, 10-year anniversary conference on Bhuj, India earthquake, Ahmedabad, India, April 2011

“Threats and Vulnerabilities”, Planning Safe Communities—Lessons from Earth, Wind, Fire, Water and Other Natural Disasters. An American Planning Association Professional Development Workshop, October 2006, Orange County, CA

“Earthquake Rebuilding in California”, **International Conference on Earthquake Recovery**, Gujarat State Disaster Management Authority, Gandhim, India, September, 2003.

“The World Housing Encyclopedia of EERI and IAEE”, Plenary presentation at the **7th US/Japan Workshop on Urban Earthquake Risk Reduction**, Maui, Hawaii, March, 2003.

“Overview of the World Housing Encyclopedia of EERI and IAEE”, **Special Session at 12th European Conference on Earthquake Engineering, London, England**, September 2002.

“EERI’s Learning from Earthquakes Program”, **Special Session at 12th European Conference on Earthquake Engineering, London, England**, September 2002.

“Overview of Encyclopedia of Housing Construction Types in Seismically Prone Countries of the World”, **Project Workshop at the Rose School**, University of Pavia, Italy, June, 2001. (Workshop organizer).

“Overview of the Maharashtra, India Emergency Earthquake Rehabilitation Program” **12th World Conference on Earthquake Engineering**, Auckland, New Zealand, January 30-February 4, 2000.

“Incentives and Impediments to Improving the Seismic Performance of Buildings”, **6th Japan/United States Workshop on Urban Earthquake Hazard Reduction**, Kobe, Japan, January 12-14, 1999.

“Ethical Issues and Earthquake Risk Reduction”, **Western States Seismic Policy Council Annual Meeting**, Pasadena, CA, September 1998.

“The Post-Earthquake Reconstruction and Disaster Management Program in Maharashtra, India”, **Sixth U.S. National Conference on Earthquake Engineering**, Seattle, WA, May 31-June 4, 1998

“Use of Geographic Information Systems (GIS) after the Northridge Earthquake”, **19th Annual Hazards Research and Applications Workshop**, Boulder, Colorado, July 17-20, 1994.

“What Do Local Planners Need to Know after a Major Earthquake”, **EERI Training for Earthquake Reconnaissance Teams**, San Francisco, CA, February, 1994.

“Housing Issues in the Northridge Earthquake”, Testimony to the California Seismic Safety Commission Hearings on the Northridge Earthquake, Burbank, CA, February, 1994.

“Long-term Recovery from Disasters: Is the Recovery Occurring?”, **17th Annual Hazards Research and Applications Workshop**, Boulder, Colorado, July 12-15, 1992.

“Housing Recovery and Reconstruction, Lessons from Recent Urban Earthquakes”, **Third U.S./Japan Workshop on Urban Earthquake Hazard Reduction**, Honolulu, Hawaii, November 13-15, 1991.

“Problems of Temporary and Permanent Housing Following Earthquakes”, **International Symposium on Building Technology and Earthquake Hazard Mitigation**, Kunming, China, March 25-28, 1991.

“Rebuilding after Skopje, Yugoslavia Earthquake”, **International Symposium on Rebuilding after Earthquakes**, Stanford University, August 12-15, 1990.

“Earthquake Preparedness in the San Francisco Bay Area”, **NCEER Seminars on Earthquakes Series**, Buffalo, New York, June 1987.

PROFESSIONAL COMMITTEE/ORGANIZATIONAL PARTICIPATION

Recipient of Quick Response Grant from Natural Hazards Research and Applications Information Center to travel to Mexico City to identify early earthquake recovery issues for local government, 1985.

Member, National Center for Earthquake Engineering Research (NCEER) Earthquake Education Committee, 1987-90.

Member of National Science Foundation Panel to identify research priorities after Loma Prieta Earthquake, 1989.

Reviewer for Earthquake Spectra Special Issue on Public Policy, 1991.

Member, Planning Committee for Earthquake Engineering Research Institute Annual Meeting, San Francisco, 1992.

Member, Course Advisory Committee, Disaster Recovery for Local Government, Federal Emergency Management Agency, 1993/94.

Team Member and author, *Earthquake Risk Reduction in the United States: An Assessment of User Needs and Recommendations for the National Earthquake Hazards Reduction Program*, 1993/4.

Participant in and Assessment and Review of California Seismic Safety Commission's Draft Five-Year Research Plan, 1994.

Member of Review Panel for National Science Foundation Special Requests for Proposals related to Northridge Earthquake, 1994.

Member, EERI Public Policy Committee, 1992-1994.

Member and subcommittee chair, EERI Technology Transfer Committee, 1991-1994.

Member, Advisory Committee on Earthquake Recovery for Local Government Project, Natural Hazards Research and Applications Information Center, 1998.

Member of Committee to help develop National Earthquake Hazards Reduction Program (NEHRP) Strategic Plan, 1999 and 2000.

Reviewer for U.S. Geological Survey and National Science Foundation proposals, ongoing.

Member of U.S. National Academy of Science team to Pakistan to identify possible projects for U.S.-Pakistan collaboration after 2005 earthquake, December 2005

Reviewer for Journal of Disaster Research, Natural Hazards Review and Earthquake Spectra, ongoing.

PROFESSIONAL AFFILIATIONS

Member, Earthquake Engineering Research Institute
Member, American Institute of Certified Planners
Member, American Planning Association

