

JOANNE MARIE NIGG

Professor Emerita
Department of Sociology and Criminal Justice
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1. ACADEMIC TRAINING

B.A.	1973	California State University, Fresno. Sociology.
M.A.	1975	University of California at Los Angeles. Sociology.
Ph.D.	1979	University of California at Los Angeles. Sociology.

Dissertation Title: The Emergence of Issues and Collectivities: Community Response to Earthquake Prediction and Its Consequences. Doctoral Committee Chair: Ralph H. Turner

2. HONORS AND AWARDS

1975	Regents Research Grant, UCLA
1979	UCLA Alumni Association Graduate Award for Outstanding Dissertation, Social Science Division
1980-1981	Research Assistant Award, Arizona State University
1985-1986	College of Public Programs, Outstanding Research Award

3. TEACHING EXPERIENCE

1990-2015	Professor, Department of Sociology and Criminal Justice, University of Delaware
1985-1989	Associate Professor, School of Public Affairs, Arizona State University
1983-1985	Assistant Professor, School of Public Affairs, Arizona State University
1979-1983	Assistant Professor, Department of Sociology, Arizona State University
1977	Teaching Fellow, Department of Sociology, UCLA
1975-1976	Teaching Associate, Department of Sociology, UCLA
1974-1975	Teaching Assistant, Department of Sociology, UCLA

4. TEACHING INTERESTS

Collective Behavior and Social Movements
Environmental Sociology
Social Psychology
Disaster Research
Sociology of Risk

5. RESEARCH INTERESTS

Policy Development for Environmental Problems
Formation of Public Opinion
Risk Perception and Behavior
Perception of Environmental Hazards
Environmental Justice
Disaster Policy
Disaster Mitigation and Recovery

6. ADMINISTRATIVE EXPERIENCE

Interim Director, Disaster Research Center, University of Delaware, 2006-2007.

Coordinator, Emergency and Environmental Management Program, Department of Sociology and Criminal Justice, University of Delaware, 2005- 2013

Co-Director, Disaster Research Center, University of Delaware, 1995-2001.

Director, Disaster Research Center, University of Delaware, 1990-1995.

Director, Office of Hazards Studies, Arizona State University, 1983-1989.

Associate Director, University Survey Research Facility, Arizona State University, 1982-1983.

Associate Director, Sociology Survey Research Laboratory, Arizona State University, 1979-1983.

7. RESEARCH AND GRANT ACTIVITY

Co-Principal Investigator. 2014. "Collaborative Research: RIPS Type 2: Quantifying Disaster Resilience of Critical Infrastructure-based Societal Systems with Emergent Behavior and Dynamic Interdependencies." Funded by NSF. 2014-2017. (\$ 1,453,000) J. Nigg is PI on subcontract from Johns Hopkins/George Mason University to University of Delaware (\$495,000)

Principal Investigator. 2012. "Public Health Emergency Planning for Radiological Events: Preliminary Guidance for the Delaware Division of Public Health." Funded by DE HSS. (\$30,000)

Co-Principal Investigator. "The Tohoku Catastrophe: Volunteers and Non-Profit Organizations in Post-Kobe Japan." Funded by NSF. 2011-2012. (\$49,000)

Principal Investigator. —"The Forgotten Aspects of Evacuation: Mass Invacuation and Care by Host Communities Following the Haiti Earthquake" Funded by NSF. 2010-2011. (\$25,000)

Co-Principal Investigator. "Hazards, Disasters and Society: Training Future Generations of Social Researchers." Funded by the National Science Foundation, Research Experience for Undergraduates Program. 2004-2010. (\$267,387)

Co-Principal Investigator. Earthquake Early Warning Study–Communication Issues. Funded by FEMA/OES through a

sub-contract with EQE, International. 1999-2000. (\$52,587)

Principal Investigator. "Rehabilitation Incentives and Impediments." Funded by NSF through the Multi-disciplinary Center for Earthquake Engineering Research, SUNY Buffalo. 1998-2001. (\$239,000)

Principal Investigator. "Perceptions of Earthquake Impacts and Loss-Reduction Policy Preferences Among Community Residents and Opinion Leaders." Funded by the National Science Foundation. 1998-2001. (\$300,608)

Principal Investigator. "Perceptions of Earthquake Impacts and Loss-Reduction Policy Preferences Among Community Residents and Opinion Leaders-REU Supplement." 1998-2001 (\$25,000)

Co-Principal Investigator. "Disaster Resistant Communities Initiative: Evaluation of the Pilot Phase." Funded by FEMA 1998-2000 (\$269,930)

Co-Principal Investigator. "Businesses and Disasters: Consequences of Disaster Victimization for Business Districts - REU Supplement." Funded by National Science Foundation. 1997-2000. (\$32,319)

Co-Principal Investigator. "Businesses and Disasters: Consequences of Disaster Victimization For Businesses and Business Districts." Funded by National Science Foundation. 1997-2000. (\$300,364)

Principal Investigator. "Emergency Response and Early Recovery Activities in the Northridge Earthquake." Funded by National Science Foundation. 1994-1996. (\$124,882)

Co-Principal Investigator. "Emergency Response and Early Recovery Activities in the Northridge Earthquake--SGER." Funded by the National Science Foundation. 1994-1995. (\$9,954)

Co-Principal Investigator. "Economic Consequences Due to Lifeline Failures: Lessons From the Heartland Floods of 1993 for Earthquake Recovery Planning." Funded by the National Science Foundation. 1993-1994. (\$42,214)

Co-Principal Investigator. "Utilization and Impact of Earth Science Information Among Local Governments and Businesses in Southern California." Funded by U.S. Geological Survey. 1993-1994. (\$74,074)

Co-Principal Investigator. "Judgments of Responsibility for Disaster Consequences." Funded by the National Science Foundation. 1992-1994. (\$76,484)

Co-Principal Investigator. "Disaster Analysis Project: Intergovernmental Relations--Phase 4." Funded by the Federal Emergency Management Agency. 1991-1992. (\$111,765)

Recipient. International Research Exchange Grant to support three USSR social scientists' visit to University of Delaware. 1991 (\$1,500)

Principal Investigator. "Sociobehavioral and Emergency Management Aspects of Catastrophic Marine Oil Spills." Funded by the National Sea Grant Program. 1991-1993. (\$158,090)

Principal Investigator. "An International Workshop on Prediction and Perception of Natural Hazards." Funded by the National Science Foundation. 1990-1991. (\$51,991)

Principal Investigator. "Comparative Analysis of Community Disaster Recovery." Funded by the National Science Foundation. 1990-1992. (\$83,866)

Co-Principal Investigator. "An Evaluation of the Dissemination of the National Earthquake Hazards Reduction Program Materials on the Seismic Safety of New Buildings." Funded by the Federal Emergency Management Agency. 1988-1991. (\$196,000)

Co-Principal Investigator. "Business Disruption and Initial Recovery from the Whittier Narrows Earthquake." Funded by

the National Science Foundation. 1988-1989. (\$30,000)

Co-Principal Investigator. "An Urban Risk Assessment in Clark County Nevada." Funded by the Nevada Nuclear Waste Project Office. 1987-1988. (\$260,000)

Co-Principal Investigator. "Evaluation of Relocation Services." Funded by the City of Phoenix, Urban Development and Housing Department. 1986-1987. (\$10,958)

Senior Associate. "The Social Impact of an Earthquake Prediction: The Brady-Spence Case--A Supplement." Funded by the National Science Foundation. 1985-1986. (\$19,000)

Co-Principal Investigator. "The Development of Earthquake Awareness and Seismic Policy in the Central United States: A Supplement." Funded by the National Science Foundation. 1985-1986. (\$40,000)

Co-Principal Investigator. "The Policy Dilemmas and Societal Impacts of an Earthquake Prediction: Costa Rica." Funded by the University Research Fund, Arizona State University. 1985. (\$14,302)

Senior Associate. "The Social Impact of an Earthquake Prediction: The Brady-Spence Case, 1980-1981." Funded by the National Science Foundation. 1983-1985. (\$298,000)

Co-Principal Investigator. "The Development of Earthquake Awareness and Seismic Policy: A Regional Approach in the Central States." Funded by the National Science Foundation. 1983-1985. (\$285,000)

Co-Principal Investigator. "An Evaluation of the Earthquake Education Program." Funded through the National Science Foundation. 1983-1985. (\$16,000)

Co-Principal Investigator. "Public Health and Safety." A Component of the Environmental Impact Report on Toxic Waste Sites in Arizona. EPA contract awarded through SCS Engineering. July 1982. (\$7,000)

Principal Investigator. "Maricopa County Needs Assessment Study." Three contracts with Maricopa County Human Resources Department to design a research project and to develop survey instruments and survey procedures to conduct a community-by-community study of social and health service needs. 1981-1983. (\$25,000)

Research Director. "Sexual Harassment and the University." Supported by the ASU Academic Senate; funded by the Office of the Provost. 1980-1981. (\$6,000)

Co-Principal Investigator. "The Status of Women and Minorities in Sociology Departments in the Area Served by the Pacific Sociological Association." Funded by the Pacific Sociological Association. 1979-1980. (\$1,000)

Co-Principal Investigator and Project Director. "Community Response to Earthquake Threat in Southern California." Funded by the National Science Foundation. 1976-1980. (\$986,000)

8. PUBLICATIONS -- BOOKS AND MONOGRAPHS

1.

Prepositioning Antibiotics for Anthrax. Washington, DC: National Academies Press. 2012. (JMN was the only social science academic member on the Committee on the Pre-positioning of Medical Countermeasures for an Anthrax Attack that produced this book under the auspices of the Institute of Medicine.)

Research Priorities in Emergency Preparedness and Response for Public Health Systems. Washington, D.C.: Committee on Research Priorities in Emergency Preparedness and Response for Public Health Systems, Institute of Medicine, National Academies Press. 2008.

Future Roles and Opportunities for the U.S. Geological Survey. Washington, D.C.: Panel on the Future Roles and

Opportunities of the U.S. G. S., National Research Council, National Academies Press. 2001. (Principally responsible for Chapter 3–Future Societal Trends.

Joanne M. Nigg (editor). *The Loma Prieta, California Earthquake of October 17, 1989–Recovery, Mitigation, and Reconstruction*. U.S. Geological Survey Professional Paper 1553-D. Washington, D.C.: United States Government Printing Office. 1998.

Joanne M. Nigg (Panel Chair and principal author/editor). *Working Paper on Seismic Policy Adoption by Local Governments*. Washington: Panel on Seismic Policy Adoption and Implementation, Board on Natural Disasters, National Research Council. 1996.

J. Nemeč, F. Sicardi, J.M. Nigg. *Prediction and Perception of Natural Hazards*. Dordrecht, Netherlands: Kluwer Academic Publishers. 1993.

Joanne M. Nigg and Kathleen J. Tierney. *Socioeconomic Impacts*. Memphis: Central United States Earthquake Consortium. 1993.

Joanne M. Nigg (editor) *The Economic Consequences of a Catastrophic Earthquake*. Washington, DC: National Academy Press. 1992

Richard Olson, Bruno Podesta, Joanne M. Nigg. *The Politics of Earthquake Prediction*. Princeton, NJ: Princeton University Press. 1989.

Ralph H. Turner, Joanne M. Nigg, Denise H. Paz. *Waiting for Disaster*. Los Angeles: University of California Press. 1986.

9. PUBLICATIONS -- ARTICLES AND BOOK CHAPTERS

James Kendra and Joanne Nigg. 2014. "Engineering and the Social Sciences: Historical Evolution of Interdisciplinary Approaches to Hazards and Disasters." *Engineering Studies* 6 (3): 1-25.

Ziqiang Han, Xiaojiang Hu, Joanne Nigg. 2012. "How Does Disaster Relief Affect Trust in Local Government? A Case Study of the Wenchuan Earthquake." *Risk, Hazards and Crisis in Public Policy* 2 (4), Article 5.

Ziqiang Han and Joanne Nigg. 2011. "The Influences of Business and Decision Makers' Characteristics on Disaster Preparedness: A Study of the 1989 Loma Prieta Earthquake." *International Journal of Disaster and Risk* 2 (4): 22-31.

Joanne Nigg, John Barnshaw, and Manuel Torres. 2006. "Hurricane Katrina and the Flooding of New Orleans: Emergent Issues in Sheltering and Temporary Housing." *The Annals of the American Academy of Political and Social Science* 604: 113-128.

Joanne M. Nigg and Dennis Mileti. 2002. "Natural Hazards and Disasters." Pp. 272 - 294 in Riley E. Dunlap and William Michaelson (eds.), *Handbook of Environmental Sociology*. Westport, CT: Greenwood Press.

Joanne M. Nigg. "Predicting Earthquakes: Science, Pseudoscience, and the Public Policy Paradox." Pp. 135-156 in Daniel Sarawitz, Roger A. Pielke, Jr., and Radford Byerly, Jr. (eds.), *Prediction: Science, Decision Making, and the Future of Nature*. Washington, DC: Island Press. 2000.

Kathleen J. Tierney, Joanne M. Nigg, and James M. Dahlhamer. "The Impact of the 1993 Midwest Floods: Business Vulnerability and Disruption in Des Moines." Pages 214-233 in Richard T. Sylves and William Waugh (eds.), *Disaster Management in the U.S. and Canada* (2nd Edition). Springfield, IL: Charles C. Thomas Publisher, LTD. 1996.

- Joanne M. Nigg. "Anticipated Business Disruption Effects Due to Earthquake-Induced Lifeline Interruptions." Pages 47-57 in F. Y. Cheng and Y. Y. Wang (eds.), *Post-Earthquake Rehabilitation and Reconstruction*. New York, NY: Pergamon. 1996.
- Joanne M. Nigg. "Social Science Approaches in Disaster Research: Selected Research Issues and Findings on Mitigating Natural Hazards in the Urban Environment." Pp. 303-310 in C. Franklin Cheng (ed.), *Urban Disaster Mitigation: The Role of Engineering and Technology*. Tarrytown, NY: Elsevier Science Ltd. 1995.
- Joanne M. Nigg. "Risk Communication and Warning Systems." Pages 369-382 in Tom Horlick-Jones, Aniello Amendola and Riccardo Casale (eds.) *Natural Risk and Civil Protection*. London, England: E & FN Spon. 1995.
- Joanne M. Nigg. "Disaster Recovery as a Social Process." Pp. 81-93 in *Wellington After the 'Quake': The Challenge of Rebuilding Cities*. Wellington, New Zealand: The Earthquake Commission. 1995.
- Joanne M. Nigg. "Influences of Symbolic Interaction on Disaster Research." Pages 33-50 in Gerald Platt and Chad Gordon (eds.), *Self, Collective Behavior and Society: Essays Honoring the Contributions of Ralph H. Turner*. Greenwich, CT: JAI Press. 1994.
- Alvin H. Mushkatel, Joanne M. Nigg, K. David Pijawka. "Nevada Urban Residents' Attitudes Toward a Nuclear Waste Repository." Pages 239-262 in Riley E. Dunlap, Michael E. Kraft, and Eugene A. Rosa (eds.), *Public Reactions to Nuclear Waste*. Duke University Press. 1993.
- Joanne M. Nigg and Ronald Perry. "Influential First Sources: Brief Statements With Long-Term Effects." *International Journal of Mass Emergencies and Disasters* 6(1988):311-344.
- Joanne M. Nigg. "Social Action and Social Order in Disaster Research." Pp. 389-393 in Gary A. Kreps (ed.), *Social Structure and Disaster*. Newark, DE: University of Delaware Press. 1989.
- Ronald W. Perry and Joanne M. Nigg. "Emergency Preparedness and Response Planning: An Intergovernmental Perspective." Pp. 346-370 in Mary Lystad (ed.), *Mental Health Response to Mass Emergencies*. NY: Brunner/Mazel. 1988.
- Beverly Cuthbertson and Joanne M. Nigg. "Technological Disaster and the Nontherapeutic Community." *Environment and Behavior* 19(1987):462-483.
- Joanne M. Nigg. "Communication and Behaviour: Organizational and Individual Response to Warnings." Pp. 103-117 in Russell R. Dynes, Bruna DeMarchi, and Carlo Pelanda (eds.), *Sociology of Disasters: Contribution of Sociology to Disaster Research*. Milano, Italy: Franco Angeli. 1987.
- Alvin H. Mushkatel and Joanne M. Nigg. "Opinion Congruence and the Formulation of Seismic Safety Policies." *Policy Studies Review* 6(1987):645-656.
- Alvin H. Mushkatel and Joanne M. Nigg. "The Effect of Objective Risk on Key Actor Support for Seismic Mitigation Policy." *Environmental Management* 11(1987):77-86.
- Dennis Mileti, Joanne M. Nigg, Ugo Morelli, Claire Rubin. "Lessons Learned from Earthquakes: Social Sciences." Pp. 167-187 in Roger Scholl (ed.), *Reducing Earthquake Hazards: Lessons Learned from Earthquakes*. El Cerrito, CA: EERI. 1986.
- Joanne M. Nigg. "The Borak Peak, Idaho Earthquake of October 28, 1983--Societal Response." *Earthquake Spectra* 2(1985):17-21.
- Joanne M. Nigg and Ronald W. Perry. "Emergency Management Strategies for Communicating Hazard Information." *Public Administration Review* 45(1985):72-77.

Joanne M. Nigg. "Societal Response to the Earthquake Threat in the Eastern United States: Some Issues, Problems, and Suggestions." Pp. 12-24 in Paula L. Gori (ed.), *Primer on Improving the State-of-Earthquake Hazards Mitigation and Preparedness*. Reston, VA: U.S. Geological Survey. 1984.

Dennis Mileti and Joanne M. Nigg. "Earthquakes and Human Behavior." *Earthquake Spectra* 1(1984):89-106.

Ralph H. Turner, Joanne M. Nigg, Denise H. Paz. "Papers Selected from the Book, Earthquake Threat: The Human Response in Southern California." Pp. 195-231 in Song Shouguan and Li Huaying (eds.), *A Collection of Papers on World Seismo-Sociology*. Beijing: State Seismological Bureau. 1983 (in Chinese).

Arlene Metha and Joanne M. Nigg. "Sexual Harassment on Campus: An Institutional Response." *Journal of the National Association for Women Deans, Administrators, and Counselors* 46 (Winter 1983):9-15.

Joanne M. Nigg. "Awareness and Behavior: Public Response to Prediction Awareness." Pp. 71-96 in Thomas F. Saarinen (ed.), *Perspectives on Increasing Hazard Awareness*. Boulder: University of Colorado. 1982.

Joanne M. Nigg and Arlene Metha. "Sexual Harassment: Implications of a Study at Arizona State University." *Women's Studies Quarterly* 10 (Summer 1982):24-26.

Joanne M. Nigg. "Communication Under Conditions of Uncertainty: Understanding Earthquake Forewarnings." *Journal of Communication* 32(1982):27-36.

Joanne M. Nigg and K. Jill Kiecolt. "Mobility Decisions Based on Perceptions of a Hazardous Environment." *Environment and Behavior* 14(1982):131-154.

Joanne M. Nigg and Beverley A. Cuthbertson. "Pesticide Applications Near Urban Areas: A 'Crisis in Confidence' for Public Health Agencies" *Journal of Health and Human Resources Administration* 4(1982):284-302.

Morris Axelrod and Joanne M. Nigg. "Women and Minorities in the Pacific Sociological Association Region: Results of the 1979 Survey." *Pacific Sociological Review* 24(1981):107-127.

Joanne M. Nigg. "Putting the 'Public' Back Into Concerns About Public Policy." *Journal of the Earthquake Engineering Research Institute* 14(1980):25-35.

10. PUBLICATIONS -- TECHNICAL REPORTS, PROCEEDINGS, AND BOOK REVIEWS

Nigg, Joanne M., Kimberly Gill, Alex Greer, Matt Manierre, Andrea Fendt. 2012. *Public Health Emergency Planning for Radiological Events: Preliminary Guidance for the Delaware Department of Public Health*. DRC Final Report No. 58. Newark: Disaster Research Center, University of Delaware.

Rodriguez, Havidan, Joanne M. Nigg, Tricia Wachtendorf. 2004. "Social Science Research: Priority Areas for the National Plan for Research and Development." Paper prepared for the CIP Research and Development Workshop for Academic and Federal Lab Research and Development Providers, sponsored by the Department of Homeland Security (DHS), the Office of Science and Technology Policy (OSTP), and the National Science Foundation (NSF). DRC Miscellaneous Report #52.

Disaster Resistant Communities Initiative: Evaluation Pilot Phase Year 2. co-authored with Jasmin Riad, Tricia Wachtendorf and Kathleen J. Tierney. Final Project Report #31, Disaster Research Center, University of Delaware. 2001.

Assessing Vulnerability to Global Environmental Risks. Cambridge, MA: Belfer Center for Science and International Affairs Discussion Paper 2000-12, Kennedy School of Government, Harvard University. 2000. (Authors: William C. Clark, Jill Jager, Robert Corell, Roger Kasperson, James J. McCarthy, David Cash, Stewart J. Cohen, Paul Desanker, Nancy M. Dickson, Paul Epstein, David H. Guston, J. Michael Hall, Carlo Jaeger, Anthony Janetos, Neil Leary, Marc A. Levy, Amy Luers, Michael MacCracken, Jerry Melillo, Richard Moss, Joanne M. Nigg., Martin L. Parry, Edward A. Parson, Jesse C. Ribot, Hans-Joachim Schellnhuber, George A. Seielstad, Eileen Shea, Coleen Bogel, and Thomas J.

Willbanks.)

"Social, Economic, and Policy Issues Associated with Health Care Facilities." Pp. 101-105 in George C. Lee, Mohammed Ettouney, Mircea Grigoriu, Jerome Hauer, and Joanne Nigg (eds.), Proceedings of the MCEER Workshop for Seismic Hazard Mitigation of Health Care Facilities. Buffalo, NY: Multidisciplinary Center for Earthquake Engineering Research, SUNY, Buffalo. 2000.

"Emergency Response Following the 1994 Northridge Earthquake: Intergovernmental Coordination Issues." Pp. 245-251 in Proceedings of the NEHRP Conference and Workshop on Research on the Northridge, California Earthquake of January 17, 1994, Volume IV. Richmond, California: California Universities for Research in Earthquake Engineering. 1998.

Disaster Resistant Communities Initiative: Evaluation of the Pilot Phase. Year 1. Technical Report Series. Newark, DE: Disaster Research Center, University of Delaware. 1998.

"Research Needs for Improving Earthquake Hazard Reduction." Pp. 123-139 in U.S. Congress. House. Subcommittee on Basic Research, Committee on Science. Hearing on the National Earthquake Hazards Reduction Program. 105th Congress, Frist Session, No. 15. 1997.

"Earthquake Response: Intergovernmental Structure and Policy Innovation," co-authored with Richard K. Eisner. Pp. 3-12 in Proceedings: 5th United States/Japan Workshop on Urban Earthquake hazard Reduction. Publication 97-A. Oakland, CA: Earthquake Engineering Research Institute. 1997

"Earthquake Response to the 1994 Northridge Earthquake: Intergovernmental Coordination Issues." In Proceedings of the NCEER-INCEDE Center-to-Center Workshop: Emergency Information, Emergency Management and Rapid Damage Assessment. Newark, DE: Disaster Research Center, University of Delaware. 1997.

"The Societal Context for Lifeline Policies." Pp. 29-32 in Report on the Lifeline Policymakers Workshop. Washington, DE: NIST/ICSSC. 1997.

Utilization and Impact of Earth Science Information Among Local Governments and Businesses in Southern California. Joanne M. Nigg, Kathleen J. Tierney, James M. Dahlhamer, Melvin J. D'Souza, Lisa Reshaur and Gary R. Webb. Final Project Report. Newark, DE: University of Delaware, Disaster Research Center. 1996.

"The Challenge of Mitigation for Local Government." In Proceedings: Local Authorities Confronting Disasters and Emergencies. Amsterdam, The Netherlands: International Congress of Local Authorities. 1996.

"Business Disruption Due to Earthquake-Induced Lifeline Interruption." Pages 46-58 in Wang Yayong and Franklin Y. Cheng (eds.), Proceedings for Sino-US Symposium on Post-Earthquake Rehabilitation and Reconstruction. Ministry of Construction: People's Republic of China. 1995.

"Business Vulnerability to Disaster-Related Lifeline Disruption." Co-author Kathleen J. Tierney. Pp. 72-79 in Lifeline Earthquake Engineering: Proceedings of the Fourth U.S. Conference, Monograph No. 6. New York: Technical Council on Lifeline Earthquake Engineering, American Society of Civil Engineers. August, 1995.

Societal Research Under NEHRP: Past Accomplishments and Future Directions." Pp. 13-15 in Directions for Research in the Next Decade: National Science Foundation Programs in Earthquake Engineering and Earthquake Related-Earth Science. Washington, DC: National Science Foundation. 1995

Joanne M. Nigg. "Societal Impacts and Emergency Response: The Hyogo-ken Nambu Earthquake." Pages 7-8 in special supplement to the January *NCEER Bulletin*. 1995.

Judgments of Responsibility for Disaster Consequences. Valerie Hans and Joanne M. Nigg. Technical Report #38. Newark, DE: Disaster Research Center, University of Delaware. 1994.

"Disaster Recovery: A Social Process". Pp. 258-269 in E. L. Quarantelli and Konstantin Popov (eds.), Proceedings of The United States-Former Soviet Union Seminar on Social Science Research on Mitigation For and Recovery From Disasters and Large Scale Hazards, Volume 1: The American Participation. Newark, DE: Disaster Research Center, University of Delaware. 1993.

"The Research Process in the United States: Research Contexts, Uses and Issues," co-authored with William Petak and Gary Kreps. Pp. 80-92 in E. L. Quarantelli and Konstantin Popov (eds.), Proceedings of The United States-Former Soviet Union Seminar on Social Science Research on Mitigation For and Recovery From Disasters and Large Scale Hazards, Volume 1: The American Participation. Newark, DE: Disaster Research Center, University of Delaware. 1993.

"Societal Response to Global Climate Change: Prospects for Natural Hazard Reduction. Pp. 289-294 in Rafael Bras (ed.) The World at Risk: Natural Hazards and Climate Change. New York: American Institute of Physics. 1993.

Book Review. Natural Hazards: An Integrative Framework for Research and Planning, by Risa I. Palm. Pp. 259-260 in The Journal of Architectural and Planning Research, 8:3. Autumn, 1991.

"Earthquake Hazard Reduction Policy in the United States: A Problem for Local Governments." Pp. 211-224 in International Symposium on Building Technology and Earthquake Hazard Mitigation. Buffalo: NCEER, State University of New York at Buffalo. 1991.

The New Year's Eve Flood on Oahu Hawaii, co-authored with John A. Dracup, Edmond D. H. Cheng, and Thomas A. Schroeder. Washington, DC: National Academy Press. 1991.

"Effective Knowledge Dissemination for Research Utilization." Pp. 108-122 in First National Conference Proceedings: DPC 2000. Arlington, VA: American Disaster Preparedness Association. April 1990.

"The Issuance of Earthquake 'Predictions': Information Diffusion and Public Response." Pp. 178-193 in E. L. Quarantelli and Carlo Pelanda (eds.), Preparations for Responses to, and Recovery From Major Community Disasters. Newark, DE: Disaster Research Center, University of Delaware. 1989.

"Frameworks for Understanding Knowledge Dissemination and Utilization: Applications for the National Earthquake Hazards Reduction Program." Pp. 13-33 in Walter W. Hays (ed.), A Review of Earthquake Research Applications in the National Earthquake Hazards Reduction Program: 1977-1987. Reston, VA: U.S. Geological Survey. May 1988.

"WALA and Squaw Peak: Relocatee Satisfaction with Relocation Service" co-authored with Alvin H. Mushkatel for the City of Phoenix, Department of Neighborhood Improvement and Housing. June 1988.

"Risk Perception and Intended Behavior: The Effects of the Proposed High-Level Nuclear Waste Repository on Nevada Residents" co-authored with Alvin H. Mushkatel and K. David Pijawka. Pp. 103-108 in Waste Management 1988: Proceedings. 1988.

"Knowledge Utilization and Dissemination Processes: A Multi-Hazards Perspective." Pp. 223-236 in Franklin Y. Cheng and Yeong Tein Yeh (eds.), Proceedings of the CCNAA-AIT Joint Seminar on Research and Applications for Multiple Hazards Mitigation. Taipei, Taiwan: Academia Sinica. 1988.

"Factors Affecting the Implementation of Seismic Hazard Abatement Practices in Public Works Departments and Utility Companies." Pp. 39-54 in Abatement of Seismic Hazards to Lifelines: Volume 6. Washington, DC: Building Seismic Safety Council and Federal Emergency Management Agency. 1987.

"Factors Affecting Earthquake Threat Awareness and Response." Pp. 283-292 in Proceedings of the Pacific Conference on Earthquake Engineering, Volume 3. Wellington, New Zealand: New Zealand National Society for Earthquake Engineering. 1987.

Seismic Hazard Awareness and Support for Mitigation Policies:

- (1) A Report for the State of Arkansas

- (2) A Report for the State of Illinois
- (3) A Report for the State of Indiana
- (4) A Report for the State of Missouri
- (5) A Report for the State of Kentucky
- (6) A Report for the State of Tennessee.

Tempe, AZ: Office of Hazards Studies, Arizona State University. 1986.

"Phoenix: Then and Now" co-authored with John S. Hall and Rolf Wigand. Pp. 13-29 in Phoenix: Working Together Toward A Quality Future. Tempe, AZ: School of Public Affairs, Arizona State University. 1986.

"Societal Responses to Earthquake Threat: Applicability for Puerto Rico." Pp. 152-157 in Proceedings of a Workshop to Reduce Seismic Risk in Puerto Rico. USGS Open-File Report. 1985.

"Popular Awareness of Earthquake Threat in the Eastern United States." Pp. 76-81 in Proceedings of a Workshop on Continuing Actions to Reduce Potential Losses from Future Earthquakes in New York and Nearby States. USGS Open-File Report. 1985.

"Increasing Hazard Awareness in the Southeastern United States: Barriers and Recommendations." Pp. 323-329 in Proceedings of a Workshop on the 1986 Charleston South Carolina Earthquake and Its Implications for Today. USGS Open-File Report. 1983.

"Organizational Response to the Coalinga Earthquake" co-authored with Alvin H. Mushkatel. Pp. 285-290 in Roger E. Scholl and James L. Stratta (eds.), Coalinga, California Earthquake of May 2, 1983: Reconnaissance Report. Berkeley: EERI. January 1984.

"Societal Response to an Ambiguous Forewarning: A Case Study of the Southern California Uplift." Pp. 163-178 in Proceedings of the Seminar on Earthquake Prediction Case Histories. Geneva: UNDRO. 1983.

"A Targeted Planning Approach for Public Education Programs." Pp. 108-112 in Proceedings of a Workshop on Continuing Actions to Reduce Losses from Earthquakes in the Mississippi Valley Area. Reston, VA: U.S. Geological Survey, Department of the Interior. 1983.

"Microzonation and Public Preparedness: A Viable Approach?" Pp. 293-300 in The Third International Earthquake Microzonation Conference Proceedings, Volume I. Seattle, WA. 1982.

"Societal Response to Earthquakes in the Eastern United States." Pp. 71-91 in Proceedings of a Workshop of Preparing for and Responding to a Damaging Earthquake in the Eastern United States. Reston, VA: U.S. Geological Survey, Department of the Interior. 1982.

"Socioeconomic and Policy Issues: Opening Remarks." Pp. 1069-1072 in James E. Beavers (ed.), Earthquakes and Earthquake Engineering: The Eastern United States, Volume 2. Ann Arbor, MI: Ann Arbor Science. 1981.

"Public Response to Earthquake Prediction Awareness." Pp. 19-35 in Proceedings of Conference XII: Earthquake Prediction Information. Menlo Park, CA: United States Department of the Interior, Geological Survey. 1980.

Community Response to Earthquake Threat in Southern California (Volumes I-X) co-authored with R. H. Turner, D. H. Paz, and B. S. Young. Institute for Social Science Research, University of California at Los Angeles. 1980.

Earthquake Threat: The Human Response in Southern California co-authored with R. H. Turner, D. H. Paz, and B. S. Young. Institute for Social Science Research, University of California at Los Angeles. 1979.

11. ACADEMIC PRESENTATIONS

V. Nuno Martins, Joanne M. Nigg, James Kendra, Sarah Sisco, Ingrid Gonzalez, Monika Eros-Sarnyai. "Household Disaster Preparedness in New York City Before Superstorm Sandy: Lessons and Possible Future Interventions." Presentation at the 2015 IRCD Researchers Annual Meeting, Broomfield, CO. July 2015.

Joanne Nigg. "Lessons Learned for Recovery from the Great Tohoku Earthquake and Tsunami." Invited presentation to the Nippon Volunteer Network Active in Disaster and Osaka University, Noda Village, Iwate, Japan. March, 2014.

Joanne Nigg. "Recovering from Catastrophes: What Do We Know?" Invited presentation at the Forum on the 3rd Anniversary of the Great East Japan Earthquake and Tsunami, Hirosaki, Aomori, Japan. March, 2014.

Alex Greer, James Kendra, and Joanne Nigg. "Activities of Volunteer Groups and Organizations following the Tohoku Earthquake/Tsunami/ Radiological Emergency in Japan." Poster presentation at the NSF Awardees Conference on the New Zealand-Japan Earthquakes: Preliminary Findings, Washington, DC. January, 2012.

2.

Knopf, Sarah, Sudha Arlikatti, James Kendra, Joanne Nigg, Manuel Torres. "The Role of NGOs in Assisting Post-Earthquake Haitian "Invacuees" to the US: Compensating or Complementing?" Paper presented at the Natural Hazards Center Annual Workshop, Broomfield, CO. July 2011.

3.

Kelly, Joshua, Sudha Arlikatti, James Kendra, Joanne Nigg, Manuel Torres "The Challenges for Unconventional Response Agencies in Serving Haitian Earthquake Survivors: The Needs in NIMS Training and Practices." Paper presented at the Natural Hazards Center Annual Workshop, Broomfield, CO. July 2011

Manuel R. Torres, Joanne Nigg, Sudha Arlikatti and James Kendra. "The 2010 Haitian Earthquake and its Influence on Immigration in the U.S." Onati, Spain. 2011

Ziqiang Han and Joanne Nigg. "Long-term Influences of Business and Decisionmakers' Characteristics on Disaster Preparedness—A Case Study of the Loma Prieta Earthquake." Paper presented at the Annual Researchers Workshop, Broomfield, CO. July 2011

Ziqiang Han, Xiaojang Hu, Joanne Nigg. "How Does Disaster Relief Affect Trust in Local Government in Rural China?" Presentation at the Annual Natural Hazards Workshop. Boulder, CO. July 2011

Kimberly Gill, Joanne Nigg, and Marcia Nickle. "Universities As Community Resources In Managing Public Health Emergencies: Learning From The 2009 Novel Influenza A (H1N1) Pandemic." VHA Comprehensive Emergency Management Program Evaluation and Research Conference. Washington, DC. May 12, 2011.

"Disaster Research: Approaches and Interests." Invited presentation, School of Social Development and Public Policy, Beijing Normal University. April, 2011.

"Mass Invacuation Following the Haiti Earthquake." Poster Presentation. NSF Awardees Conference on Haiti RAPID Preliminary Findings. Arlington, VA. October 1, 2010

"Creating Disaster Resilient Communities." Invited presentation at the National Academies of Science and Engineering Colloquium of Critical Infrastructures and Disaster Resilient Communities. Washington, DC. September 27, 2006.

"Disaster Resilient Communities: A Bottom-up Approach." Invited keynote speaker at the Fulbright Alumni Association Conference on Involving Communities in Disaster Management—A Call to Action. Port-of-Spain, Trinidad. September 6, 2006.

"Recovering from Catastrophes: What Does It Mean and What Do We Know?" Invited presentation at the American Meteorological Society's Environmental Seminar on Disaster Recovery: A Post-Disaster Reaction or an Anticipated Activity?, Washington, DC, December 13, 2005.

“The Meaning of Recovery: What Needs to be Rebuilt?” Invited presentation at the National Symposium on Risk and Disasters, sponsored by *Congressional Quarterly* and the University of Pennsylvania, Washington, DC, December 1, 2005.

“Warning System Components.” Presented to the NAS Committee on Citizens’ Information Needs in Responding to Disaster, Washington, DC, July 19, 2005.

“Public Reactions and Political Responses to Earthquake Predictions.” Paper presented at the AAAS annual meeting’s session on Earthquake Prediction, Washington DC, February, 2005.

“A Framework for a Bachelors-Level Degree in Emergency Management.” Presented at the 29th Annual Natural Hazards Research and Applications Workshop, Boulder, Colorado, July 11-14, 2004.

“Repairing the Social Fabric: Overlooked Aspects of Disaster Planning and Recovery.” Keynote presentation at the International Workshop on the Commemoration of the Chi-Chi Earthquake, Taipei, Taiwan, September 18-20, 2000.

Series of invited seminars on Disaster Research topics at the Academia Sinica, Taipei Taiwan, January 16-18, 2000, sponsored by the Academia Sinica and the National Research Council of Taiwan. Seminars included: “An Overview of Disaster Research Topics and Approaches;” “Cultural Issues in Disaster Research;” “Warning Systems and Messages;” “Emergency Response: Collective and Organizational behavior;” “Recovery as a Social Process;” and “Disaster Impacts on Businesses.”

“Perceptions of Earthquake Impacts and Loss Reduction Policy Preferences Among Community Residents and Opinion Makers: A Research Update.” Presented at the NSF-sponsored meeting of PI’s with research grants funded under the U.S.-Japan Urban Earthquakes Loss Reduction Initiative, Berkeley, CA, March 22-23, 2000.

“Disaster Myths.” Invited lecture for the Academy on Lifelong Learning, University of Delaware. September 22, 1999.

“Sustainability and Hazard Mitigation: A Challenge for Communities.” Invited plenary presentation at the 24th Annual Natural Hazards Workshop, Boulder, Colorado, July 11-14, 1999.

“An Earthquake Early Warning System: What We (Don’t) Know.” Paper presented at the 24th Annual Natural Hazards Workshop, Boulder, Colorado, July 11-14, 1999.

“The Built Environment: Connections Between Social Science and Engineering.” Presentation in the College of Engineering Colloquium Series, University of Delaware, May 7, 1999.

“The Implications of Scientific Prediction for Policy: A Case Study of Earthquake Prediction.” Paper presented at the 1999 Annual Meeting of the AAAS, Anaheim, CA, January 21-26, 1999.

“Social Science Accomplishments and Frontiers in the National Earthquake Hazards Reduction Program.” Paper presented at the 1999 Annual Meeting of the AAAS, Anaheim, CA, January 21-26, 1999

“The Issuance of Earthquake ‘Predictions’: Scientific Approaches and Public Policy Strategies.” Discussion paper at the workshop on Prediction in the Earth Sciences: Use and Misuse in Policy Making, Estes Park, Colorado, September 10-12, 1998

“Mitigation Actions at the Local Level: A U.S. National Assessment” co-authored with Donald E. Geis and Kendra Briechele. Paper presented at the World Congress of Sociology, Montreal, Quebec, Canada, July 26-August 1, 1998.

“Warning and Disaster Information Systems: User Perspectives.” Invited presentation to the Board on Natural Disasters, National Academy of Sciences. Washington, D.C., June 22, 1998.

“Cultural Attitudes Toward Disasters.” Invited lecture, Seminar Series on the Environment, Johns Hopkins University, April 28, 1998

“The Social Impact of Physical Processes: Acts of God or Human Failures?” Invited lecture, Center for Earth Science

Information Research, Stanford University, June 4, 1997.

“The Issuance of Earthquake ‘Predictions’: Scientific Approaches and Public Policy Strategies” Workshop on Prediction in the Earth Sciences: Use and Misuse in Policy Making. Boulder, CO, July 10-12, 1997.

“Emergency Response Following the 1994 Northridge Earthquake: Intergovernmental Coordination Issues.” Presentation at the Northridge Earthquake Research Conference (sponsored by NSF), Los Angeles, CA, August 20-22, 1997.

"Issues in Disaster Recovery and Reconstruction." 21st Annual Hazards Research and Applications Workshop, Denver, CO. July 7-10, 1996.

"Issues for the Development of Public/Private Partnerships for Hazards Management and Mitigation." 21st Annual Hazards Research and Applications Workshop, Denver, CO. July 7-10, 1996.

“Societal Research on the Northridge and Kobe Earthquakes: An Overview.” Invited presentation at the U.S.-Japan Workshop on Research for Urban Earthquake Disaster Mitigation (U.S. participation sponsored by NSF). Maui, Hawaii, December 14-17, 1995.

"Anticipated Business Disruption Effects Due to Earthquake-Induced Lifeline Interruptions." 'Telling It Straight'--A Conference on Communicating Disaster Information, Emergency Planning College and the University of Hertfordshire, York, Great Britain. October 11-13, 1995.

"The Focus of Future Research Efforts for the Second National Hazards Assessment." Invited plenary presentation at the 20th annual Hazards Research and Applications Workshop, Boulder, CO. July 16-19, 1995.

"What Research Has to Offer in the Development of the Federal Response and Recovery Plan." Panel presentation at the 20th annual Hazards Research and Applications Workshop, Boulder, CO. July 16-19, 1995.

“Sociological Research Issues in the Disaster Recovery Process.” Panel presentation at the 20th annual Hazards Research and Applications Workshop, Boulder, CO. July 16-19, 1995.

"The Real Earthquake is Above Ground: Societal Effects of the Kobe Earthquake." Geology Department Seminar Series, University of Delaware. April 13, 1995.

"When is a Disaster an 'Act of God'?" Paper presented at the annual meeting of the National Association for Science, Technology, and Society, Washington, DC. March 2-5, 1995.

"The Societal Impacts of the Kobe Earthquake." Board on Natural Disasters, National Academy of Sciences/National Research Council, Washington, DC. February 23, 1995.

"The Challenge of Local Variation in Disaster Planning." Invited panelist at the Fourth US-Japan Workshop on Urban Earthquake Hazard Reduction, Osaka, Japan. January, 1995.

"The Northridge Earthquake: Research Opportunities." Invited plenary presentation at the annual meeting of the Natural Hazards Research and Applications Workshop, Boulder, CO. July 1994.

"Inter-Center Cooperation." Invited panelist at the annual meeting of the Natural Hazards Research and Applications Workshop, Boulder, CO. July 1994.

"Projections of Business Disruption Due to Earthquake Effects in Memphis, Tennessee." Invited presentation at the NSF-funded Natural Hazards Research Symposium, Louisville, KY. June, 1994.

"Business Interruption due to Earthquake Damage: A Preliminary Analysis." Invited presentation at the Natural Hazard Reduction Institute, University of Puerto Rico, Mayaguez. April 1994.

"Contextual Effects on Responsibility Judgments," co-authored with Valerie Hans and Melvin D'Souza. Paper presented at the annual meeting of the American Association for the Advancement of Science, San Francisco, CA. February, 1994.

"Disasters and Social Change: Consequences for Community Construct and Affect," with Kathleen Tierney, paper presented at the Annual Meeting of the American Sociological Association, Miami, FL. August 13-17, 1993.

"An Empirical Investigation of Rumoring: Anticipating Disaster Under Conditions of Uncertainty," co-authored with James M. Dahlhamer. Paper presented at the annual meeting of the Southern Sociological Society, Chattanooga, TN. April, 1993.

"The Research Process in the U.S.: Research Contexts, Uses & Issues." Presentation at U.S.-Russia Seminar on Social Science Research on Mitigation of and Recovery from Disasters, Moscow, Russia. April 21-24, 1993.

"Disaster Recovery: A Social Process." Presentation at U.S.-Russia Seminar on Social Science Research on Mitigation for and Recovery from Disasters, Moscow, Russia. April 21-24, 1993.

"Event and Consequence Vulnerability: Effects on the disaster Recovery Process," co-authored with Kristen Miller. Paper presented at the annual meeting of the Eastern Sociological Society, Boston, MA. March, 1993.

"Disaster Recovery and the Concept of Community." Invited presentation at Hurricane Andrew Recovery and Reconstruction Workshop, Miami, Florida. November 5-6, 1992.

"Societal Responses to Global Climate Change & Prospects for Natural Disaster Reduction." Invited presentation at MIT sponsored symposium, World at Risk: Natural Hazards and Climate Change. January 1992.

"Social Science Approaches in Earthquake Research." Invited presentation at NAS/NRC sponsored US-USSR Joint Workshop on Earthquake Hazard Mitigation, Moscow, Republic of Russia, USSR. September 1991.

"Earthquake Hazard Reduction Policy in the United States: A Social Science Assessment." Invited presentation at the NSF/NAS/NCEER sponsored US-PRC International Symposium on Building Technology and Earthquake Hazard Mitigation, Kunming, PRC. March 1991.

"The Management of Earthquake Predictions: Policy Lessons from Past Experiences." Invited presentation at the CUSEC/USGS sponsored colloquium series on Earthquake Research, Memphis, TN. March 1991.

"Anticipated Social Consequences of a Nuclear Waste Facility." Paper presented at the annual meeting of the AAAS, Washington, DC. February 1991.

"Earthquake Prediction: The Sociological Significance of Geophysical Science." Invited presentation for the Science, Technology, and Disaster Colloquium Series, Clairmont Colleges, Riverside, CA. February, 1991.

"Explaining Differential Outcomes in the Small Business Disaster Loan Application Process" co-authored with Kathleen J. Tierney. Paper presented at the ISA World Congress of Sociology, Madrid, Spain. July 1990.

"A Comparison of Two Communities: Lifeline Disruption Due to Hurricane Hugo." Invited Paper presented at the NSF-sponsored workshop, Hurricane Hugo: Six Months After, at the University of Puerto Rico, Mayaguez. March 1990.

"Opportunities to Reduce Earthquake Hazards: Are the Benefits Worth the Costs?" Paper presented at the annual meeting of the AAAS, New Orleans, LA. February 1990.

"Risk-Induced Effects of Siting the High Level Nuclear Waste Repository" co-authored with Alvin H. Mushkatel and K. David Pijawaka. Paper presented at the annual meeting of the Western Social Science Association, Albuquerque, NM. April 1989.

"Relocation Programs in the 1980's: What Have We Learned?" Co-authored with Marilyn Dantico and Alvin Mushkatel. Paper presented at the annual meeting of the Western Political Science Association, Salt Lake City, UT. March 1989.

"Social Science Approaches to Hazard Mitigation Research." Invited presentation at the Seminar on Social Science Research on Disaster at the Asian Institute of Technology, Bangkok, Thailand. March 1989.

"Unravelling the Myth: How People Really Respond to Natural Hazard Threats and Events." Invited symposium paper on Frontiers of Science at the annual AAAS Meeting, San Francisco, CA. January, 1989.

"Nevada Urban Residents' Perceptions of a Nuclear Waste Repository" co-authored with Alvin H. Mushkatel and K. David Pijawka. Invited symposium paper on Policy, Politics, and Public Opinion on a High-Level Nuclear Waste Repository at the annual AAAS meeting, San Francisco, CA. January 1989.

"Factors Affecting Earthquake Threats Awareness and Response in Two Regions of the United States." Invited symposium presentation on Geologic Hazards at the annual AAAS meeting, San Francisco, CA. January 1989.

"Perceptions of Community Recovery from a Natural Disaster." Paper presented at the annual stated meeting of the American Academy of Arts and Sciences, Los Angeles, CA. November 1988.

"Difficulties in Applied Research." Plenary Presentation at the Natural Hazards Research and Applications Workshop, Boulder, CO. July 1988.

"Knowledge Utilization and Dissemination Processes: A Multi-Hazard Perspective." Invited paper presented at the NSF-sponsored CCNAA-AIT Joint Seminar on Research and Applications for Multiple Hazards Mitigation, Taipei, Taiwan. April 1988.

"Measurement of Risk in Environmental Impact Statements." Paper presented at the annual meetings of the Association of American Geographers, Phoenix, AZ. April 1988.

"Risk Perception and Intended Behavior: The Effects of the High-Level Nuclear Waste Repository on Nevada Residents," co-authored with Alvin H. Mushkatel and K. David Pijawka. Paper presented at the Symposium on Waste Management: 1988, Tucson, AZ. March 1988.

"Research Utilization: Theoretical Models and Concepts." Papers presented at the USGS-NSF Workshop on Research Applications to Reduce Earthquake Hazards in San Diego, CA (June 1987); Denver, CO (October 1987); Knoxville, TN (November 1987).

"Environmental Sociology and Natural Hazards Research" with Dennis Mileti. Roundtable discussion presented at the annual meeting of the American Sociological Association, Chicago, IL. August 1987.

"The Issuance of Earthquake Predictions: Information diffusion and Public Response." Presentation at the Italy-US Conference on Disasters, University of Delaware, Newark, DE. October 1986.

"Issues in Cross-Cultural Research." Presentation at the International Sociological Association's Research Committee on Disasters annual meeting, NY. September 1986.

"Social Action and Social Order in Disaster Research." Paper presented at the symposium on Social Structure and Disaster, College of William and Mary, Williamsburg, VA. May 1986.

"Service Utilization and Household Disruption" co-authored with Alvin H. Mushkatel. Paper presented at the annual meeting of the American Society of Public Administration, Anaheim, CA. April 1986.

"Communities and Earthquake Disasters: Mexico City, Coalinga, Mackay." Presentation for the Technical Issues in Geology Series at Northern Arizona University, Flagstaff, AZ. March 1986.

"The Effects of Fear on Behavior Following a Natural Disaster" co-authored with Alvin H. Mushkatel. Paper presented at

the annual meeting of the American Public Health Association, Washington, DC. November 1985.

"The Effects of Fear on Disaster Behavior." Paper presented at the annual meeting of the Society for the Study of Social Problems, Washington, DC. August 1985.

"The Effect of Risk on Seismic Policy Decisions" co-authored with Alvin H. Mushkatel. Paper presented at the Natural Hazards and Research Applications Workshop, Boulder, CO. July 1985.

"Collective Altruism and Disaster Warnings." Paper presented at the annual meeting of the Pacific Sociological Association, Albuquerque, NM. April 1985.

"Scientific Dilemmas and Public Policy: Are Science Courts an Answer?" Co-authored with Richard S. Olson and W. Henry Lambright. Presented at the annual meeting of the American Sociological Association, San Antonio, TX. August 1984.

"The Therapeutic Community Reconsidered" co-authored with Beverley A. Cuthbertson. Presented at the meeting of the International Sociological Association's Committee on Disasters. San Antonio, TX. August 1984.

"Policy Issues for Seismic Hazard Mitigation in the Central United States" co-authored with Alvin H. Mushkatel. Paper presented at the Natural Hazards and Applications Workshop, Boulder, CO. July 1984.

"Earthquake Predictions: Systemic Problems in Evaluation Practices." Paper presented at the Natural Hazards and Applications Workshop, Boulder, CO. July 1983.

"The Coalinga Earthquake: Societal Response" co-presented with Alvin H. Mushkatel. Presentation at the Natural Hazards and Applications Workshop, Boulder, CO. July 1983.

"A Model for Vulnerability Assessments." Paper presented at the Seminar for Emergency Medical Response to a Hazardous Materials Incident, sponsored by the Arizona Division of Emergency Services. February 1983.

"Societal Response to an Ambiguous Forewarning." Invited paper presented at the UNESCO-UNDRO International Seminar on Earthquake Prediction Case Histories, Geneva, Switzerland. October 1982.

"The Media and Environmental Hazards: The Problem of Formulating Social Definitions of Risk." Paper presented at the annual meetings of the Society for the Study of Social Problems, San Francisco, CA. September 1982.

"Earthquake Mitigation Policy: Can We Generalize from One Area of the Country to Another?" Co-authored with Alvin H. Mushkatel. Paper presented at the Natural Hazards and Applications Workshop, Boulder, CO. July 1982.

"Societal Response to Natural Hazards." Colloquium presented to the Department of Civil Engineering at the University of Puerto Rico, Mayaguez. July 1982.

"Microzonation and Public Preparedness: A Viable Approach?" Paper presented at the Third International Conference on Microzonation, Seattle, WA. June 1982.

"Policy Issues Involved in the Issuance of Earthquake Warnings and Predictions." Paper presented at the Workshop on Hazards Research, Policy Development, and Implementation Incentives sponsored by NSF, Redlands, CA. May 1982.

"Pesticide Applications Near Urban Lands" co-authored with Beverley A. Cuthbertson. Paper presented at the annual meeting of the American Society for Public Administration, Honolulu, HI. March 1982.

"Earthquake Prediction: Anticipated Problems in Social Response Based on Research in the United States and Japan" co-presented with Shunji Mikami. Presented at the Natural Hazards Research and Applications Workshop, Boulder, CO. July 1981.

- "Seismic Safety Policy in the Political Arena." Paper presented at the Western Social Science Association Annual Meeting, San Diego, CA. April 1981.
- "Seismic Safety Policies in Southern California." Colloquium presentation for the Program in Social Ecology, University of California, Irvine, CA. April 1981.
- "Fascinating Womanhood: A Case Study of an Anti-Feminist Movement." Colloquium presentation for the Women's Studies Film and Lecture Series, Arizona State University. March 1981.
- "Communication Under Conditions of Uncertainty: An Examination of Mass Media Effects on Informal Communication Processes." Paper presented at the Pacific Sociological Association annual meetings, Portland, OR. March 1981.
- "Social Response to Earthquake Prediction Information: Attitudes Toward Prediction Capability and Government Action" co-authored with R. H. Turner and D. H. Paz. Presented at the Natural Hazards Research Applications Workshop, Boulder, CO. July 1980.
- "The Status of Women and Minorities in the Pacific Sociological Association" co-authored with Morris Axelrod. Paper presented at the Pacific Sociological Association annual meeting, San Francisco, CA. April 1980.
- "Mobility Decisions Based on Perceptions of a Hazardous Environment" co-authored with K. Jill Kiecolt. Paper presented at the Pacific Sociological Association meeting, San Francisco, CA. April 1980.
- "Community Resistance: A Response to Social Policy Implementation" co-authored with Barbara S. Young. Paper presented at the American Sociological Association annual meeting, Boston, MA. August 1979.
- "The False Alarm Effect in Near Prediction of Earthquakes" co-authored with R. H. Turner, D. H. Paz, and B. S. Young. Paper presented at the American Sociological Association annual meeting, Boston, MA. August 1979.
- "The Mobilization of Altruistic Sentiments for Earthquake Endangered Groups." Presented at the UNESCO International Symposium on Earthquake Prediction, Paris, France. April 1979.
- "The Determinants of Acceptable Risk" co-authored with Barbara S. Young. Presented at the UNESCO International Symposium on Earthquake Prediction, Paris, France. April 1979.
- "Public Response to Earthquake Prediction" co-authored with Barbara S. Young. Presented at the Natural Hazards Research Application Workshop, University of Colorado, Boulder, CO. August 1978.
- "Earthquake Threat in Southern California: A Case Study in the Popular Understanding of Science" co-authored with Ralph H. Turner, Denise H. Paz, and Barbara S. Young. Presented at the World Congress of Sociology, Uppsala, Sweden. August 1977.
- "Factors Affecting the Emergence of Grass Roots Groups" co-authored with Barbara S. Young. Presented at the Pacific Sociological Association annual meeting, Sacramento, CA. April 1977.
- "Consciousness Raising: Has It Been a Politicalizing Process?" Presented at the Pacific Sociological Association annual meeting, San Diego, CA. March 1976.
- "Social Change Via the Mind" co-authored with Dorothy L. McKissick. Presented at the Pacific Sociological Association annual meeting, Victoria, British Columbia. April 1975.

12. PRESENTATIONS TO GOVERNMENTAL BODIES AND PROFESSIONAL ORGANIZATIONS

“Higher Education and the Emergency Manager of the 21st Century.” Invited keynote presentation at the Indiana Department of Homeland Security 2006 Higher Education Conference. Leoben, IN. April 7, 2006.

“Which Risk First?: Challenges in Prioritizing Earthquake Mitigation.” Invited keynote presentation at the National Earthquake Conference, St Louis, MO. September 27-29, 2004.

“Measures to Restore Victims’ Independence Following the Great Hanshin-Awaji Earthquake.” Invited presentation by the Governor of Hyogo Prefecture at the Global Assessment of Earthquake Countermeasures Symposium, Kobe, Japan, January 10-14, 2000.

“Evaluation of Project Impact Pilot Communities: Results from Year 2.” Presentation to the Mitigation Directorate Administrators (Executive Session) at the Project Impact Summit, Washington, DC, December 14, 1999.

“Perceptions of Earthquake Impacts and Loss-Reduction Policy Preferences: A Progress Report.” Presentation made at the NSF-funded US-Japan Workshop on Urban Earthquake Hazards, Sonoma, CA, March 19-20, 1999.

“Project Impact Evaluation: Research Findings from Year 1.” Invited presentation to the Mitigation Directorate and Regional Directors at FEMA’s Project Impact Summit, Washington, DC. December, 1998.

“The Formation of Voluntary and Corporate Partnerships: Issues That Need to be Addressed.” Keynote presentation for the annual meeting of the Board of the National Voluntary Organizations Active in Disaster, Washington, DC, March 17, 1998.

“Future Implications of the Recommendations of the Seismic Ethics Project.” Panel presentation at the 50th EERI Annual Meeting, San Francisco, CA. February 5-7, 1998.

“Societal Issues Related to Steel Moment Frame Buildings.” Background paper for the Social, Economic, Policy and Political Issues Workshop. Sponsored by FEMA. San Francisco, CA, October 27-28, 1997.

“Guidance for Guideline Writers: Social Issues for Consideration.” Background paper for the Social, Economic, Policy and Political Issues Workshop. Sponsored by FEMA. San Francisco, CA, October 27-28, 1997.

“Problems with Disaster Preparedness and Recovery Guidance to the Private Sector” Invited paper presented at the 75th Annual Meeting of the Alliance of American Insurers, San Diego, California. May 4-6, 1997.

“Research Needs for Improving Earthquake Hazards Reduction.” Testimony for the U.S. House of Representatives, Committee on Science, Subcommittee on Basic Research. Washington, DC, April 24, 1997.

“The Disastrous Social Effects of Lifeline Disruption.” Invited keynote presentation to the ASCE Lifeline Policymakers Workshop, Washington, DC, January 23, 1997.

“Earthquake Response: Intergovernmental Structure and Policy Innovation” (co-author Richard K. Eisner). Keynote paper presented at the 5th U.S.-Japan Workshop on Urban Earthquake Hazard Reduction, Pasadena, California, January 15-17, 1997.

“Reducing the Social Impacts of Extreme Physical Events.” ASCE International Conference on Natural Disaster Reduction, Washington, DC. December 3-5, 1996.

“Policy Issues For Post-Disaster Mitigation: The Need For a Process.” US-Japan Earthquake Policy Symposium, Washington, DC. September 16-18, 1996.

“Social Aspects of Earthquake Research.” Invited plenary presentation at the 11th World Conference on Earthquake Engineering, Acapulco, Mexico. June 23-28, 1996.

"The Social Impacts of Physical Processes: How Do We Manage What We Can't Control?" Invited plenary paper, 1996 American Geophysical Union Meeting, Baltimore, MD. May 19-24, 1996.

"The Challenge of Mitigation for Local Governments." 2nd International Conference for Local Authorities Confronting Disasters and Emergencies, Amsterdam, The Netherlands. April 22-24, 1996.

"Social Aspects of Disasters." Invited Speaker, University of Delaware's Association of Retired Faculty, Newark, DE. December 6, 1995.

"Corporate Disaster Planning." State of Delaware Volunteer Organizations Active in Disasters (VOAD) Annual Meeting, Dover, DE. November 16, 1995.

"Volunteering in Disaster Settings." State of Delaware Volunteer Organizations (VOAD) Annual Meeting, Dover, DE. November 16, 1995.

"Business Vulnerability to Disaster-Related Lifeline Disruption," co-authored with Kathleen J. Tierney. Presentation at the 4th U.S. Conference on Lifeline Earthquake Engineering, San Francisco, CA. August 10-12, 1995.

"Business Disruption Due to Earthquake-Induced Lifeline Interruption." U.S. participant and presenter at the Sino-US Symposium/Workshop on Post-Earthquake Rehabilitation and Reconstruction, Kunming, PRC. May 24-27, 1995.

"The Challenges and Benefits of Multidisciplinary Research." Keynote presentation at the annual meeting of the New Zealand National Society of Earthquake Engineers, Rotorua, New Zealand. March 31-April 2, 1995.

"Disaster Recovery as a Social Process." Invited presentation at the Wellington After the Quake Conference, Wellington, New Zealand. March 27-29, 1995.

"Social Science Approaches in Disaster Research: Selected Research Issues and Findings on Mitigating Natural Hazards in the Urban Environment." Invited presentation at the 4th US-Taiwan Multiple Hazard Mitigation Symposium, Chicago, IL. July 1994.

"Response to the 1994 Northridge, California Earthquake." Invited presentation at the 16th Annual National Hurricane Conference in New Orleans, LA. March 11, 1994.

"The 1994 Northridge Earthquake: Societal Impact and Emergency Response." EERI Northridge Earthquake Briefing, George Washington University, Washington, DC. March 14, 1994.

"Societal Implications." Presented at the NSF-sponsored Technical Briefing on the Northridge Earthquake, Memphis State University, Memphis, TN. March 1994.

"Projections of Business Disruption Due to Earthquake Effects in Memphis, Tennessee." Invited presentation at the NSF-funded Natural Hazards Research Symposium, Louisville, KY. June 1994.

"Risk Communication and Warning Systems." Invited presentation at the International Conference on Natural Risk and Civil Protection in Belgirate, Italy. October 18-23, 1993.

"Societal Research Under NEHRP: Post Accomplishments and Future Directions." Directions for NSF Earthquake-Related Research in the Next Decade Workshop. Washington, DC. June 17-18, 1993.

"The Social Consequences of Disaster Events." Key Note Speaker, NCCEM Region III Annual Conference, New Castle, DE. May 18, 1993.

"Future Directions in Research: Social and Policy Issues." EERI Annual Meeting, Seattle, WA. February 12, 1993.

"Earthquake Prediction Response in the Central United States." CUSEC/USGS--sponsored invited lecture, Washington University, St. Louis, MO. June 1991.

"Social Response to Earthquake Prediction: A Memphis Case Study." CUSEC/USGS--sponsored invited lecture, Memphis State University, Memphis, TN. March 1991.

"Earthquake Prediction: A Management Problem." Invited keynote presentation, annual meeting of the Council of State Governments, Charleston, SC. November 15, 1990.

"Organizational Components of Natural Hazard Warning Systems." Presentation at the US-Taiwan Bilateral Meeting on Natural Disaster Reduction (sponsored by the National Academy of Sciences), Taipei, ROC. August 28, 1990.

"Key Principles of Effective Knowledge Dissemination and Research Utilization." Invited paper at the First National Disaster Recovery Preparedness Conference of the American Defense Preparedness Association, Los Angeles, CA. April 1990.

"Societal Response to Earthquakes in Metropolitan Areas." Paper presented at the annual EERI Seminar on Evolving Earthquake Hazard Mitigation Practices, Mesa, AZ. February 1988.

"Factors Affecting Earthquake Threat Awareness and Response." Paper presented at the Pacific Conference on Earthquake Engineering, Wairakei, New Zealand. August 1987.

"Research Utilization: Theoretical Models and Concepts." Paper presented at the Workshop on Research Applications to Reduce Earthquake Hazards in California, San Diego, CA. June 1987.

"Factors Affecting the Implementation of Seismic Hazards Abatement Practices in Public Works Departments and Utility Companies." Paper presented at the Workshop on Abatement of Seismic Hazards to Lifelines, Denver, CO. November 1986.

"Attitudes Toward Seismic Hazard Mitigation Measures: Building Officials' and Engineers' Perspectives." Presented at the annual meeting of the Building Seismic Safety Council, Seattle, WA. May 1986.

"Occupant Behavior in Response to a Destructive Earthquake." Presented at the ASCE Structures Congress, Chicago, IL. September 1985.

"Lessons Learned from Earthquakes: Applicability for Puerto Rico." Paper presented at the regional EERI workshop, Mayaguez, Puerto Rico. May 1985.

"In Anticipation of a Large Earthquake in Puerto Rico: A Review of Lessons Learned." Paper presented at the USGS workshop to Reduce Earthquake Risk in Puerto Rico, San Juan, Puerto Rico. May 1985.

"Cultural Impacts on Response to Warnings." Paper presented at the National Hurricane Conference, New Orleans, LA. May 1985.

"Graduate Education in Emergency and Hazards Management." Presented at the annual conference of the Association of State Flood Plain Managers, New Orleans, LA. April 1985.

"Public Awareness of and Preparedness for Earthquake Events in the North East." Presented at the Workshop on Continuing Actions to Reduce Potential Losses from Future Earthquakes in New York and Nearby States sponsored by USGS, Albany, NY. December 1984.

"Community Preparedness for a Damaging Earthquake Event." Presentation at the annual meeting of the Mid-American Red Cross Chapters, Springfield, IL. September 1984.

"Citizens' Perceptions of Earthquake Risk in the Central United States." Presentation at the Central U.S. Earthquake

Awareness Workshop sponsored by FEMA, St. Louis, MO. June 1984.

"Policy Issues for Seismic Hazard Mitigation: A Comparison of Public and Decisionmakers' Perceptions" co-authored with Alvin H. Mushkatel. Paper presented at the Earthquake Specialty Seminars, Stanford University. July 1984.

"Citizen and Governmental Response to Earthquake Events." Key note presentation to the Earthquake Engineering Research Institute Annual Meeting, Anchorage, AK. June 1984.

"Status of Social Policy Research on Response to Seismic Threat in the Eastern United States." Testimony to the Committee on Science and Technology, U.S. House of Representatives, Washington, DC. May 23, 1984.

"Salience of the Earthquake Threat in the Central United States" co-authored with Alvin H. Mushkatel. Paper presented at the Workshop on Continuing Actions to Reduce Potential Losses from Future Earthquakes in Arkansas and Nearby States, sponsored by USGS, FEMA and NSF, Little Rock, AR. September 1983.

"Institutional Responses to Earthquake Forecasts: United States Experiences." Invited presentation to the Peruvian National Committee on Civil Defense, Lima, Peru. August 1983.

"Research Report on Seismic Hazard Awareness and Policy Development in the Central United States" co-authored with Alvin H. Mushkatel. Presented at the Natural Hazards and Applications Workshop, Boulder, CO. July 1983.

"Earthquake Hazard Awareness in the Southeastern United States." Paper presented at the Workshop on the 1986 Charleston Earthquake and its Implications for Today, sponsored by NSF, USGS, NRC, FEMA and NBS, Charleston, SC. May 1983.

"A Targeted Planning Approach for Public Education Programs." Paper presented at the workshop on Continuing Actions to Reduce Losses from Earthquakes in the Mississippi Valley Area Sponsored by FEMA and USGS, St. Louis, MO. May 1982.

"Societal Response to Earthquakes in the Eastern United States: Issues, Problems and Suggestions." Plenary paper presented at the Workshop on Planning for a Damaging Earthquake in the Eastern United States, sponsored by FEMA and USGS, Knoxville, TN. September 1981.

"The Community Response to Hazard-Mitigation Efforts." Keynote speech at the Annual Meeting of the Earthquake Engineering Research Institute, Salt Lake City, UT. May 1980.

"The Effects of Prediction Awareness." Plenary paper presented at the Earthquake Prediction Information Workshop by the United States Geological Survey, Los Angeles, CA. January 1980.

"Social Scientists' Contributions to Hazard Mitigation Research." Invited presentation at the International Seminar on Disaster Research and Emergency Management, Asian Institute of Technology, Bangkok, Thailand. March 1979.

13. ACADEMIC ACTIVITIES

Member. UD delegation on behalf of the College of Arts and Sciences to Beijing Normal University and Xiamin University, PR China. April, 2011

Invited Participant. NSF Research Conference on the Haiti Earthquake. University of Miami. March 22-23, 2010. Purpose—to identify research themes for NSF.

Member. Committee on the Prepositioning of Medical Countermeasures for the Public. Institute of Medicine, National Academies. 2010-2011.

Member. Committee on Research Priorities in Emergency Preparedness and Response for Public Health Systems. Institute of Medicine, National Academies. 2007-2008.

Panelist. Session on Building for the Future: Strategies for the Gulf Coast at the National Symposium on Risk and Disasters, hosted by the University of Pennsylvania, *Congressional Quarterly*, and the Communication Institute at Stanford University. Washington, DC. December 1, 2005.

Invited Participant. Hurricane Katrina Research Summit, Mississippi State University, Starkville, MS, November 17-19, 2005.

Invited Presenter. Disaster Research Poster Session at the American Sociological Association's Centennial Research Reception on Capitol Hill, Washington, DC, October 25, 2005

Participant. American Sociological Association's Hurricane Katrina Research Taskforce. Coordinated by Kai Erikson. 2005-2008.

Invited Participant. NAS Committee on Citizens' Information Needs in Responding to Disaster, Washington, DC. July 19, 2005.

Member. Division Review Committee, Energy and Environment Division, Los Alamos National Laboratory. 2003-2006.

Member. Scientific Committee, ANCEER (Asian-Pacific Network of Centers on Earthquake Engineering Research) Conference 2002, Harbin, PRC and Hong Kong, August 15-20, 2002.

Coordinator of sessions on Recovery and Rehabilitation. Program Committee, 7th National Conference on Earthquake Engineering, Boston, Massachusetts, July 23-25, 2002.

Session Co-Chair. Housing and Recovery at the 6th US-Japan Workshop on Urban Earthquake Reduction, Kobe, Japan. January 12-14, 1999

Member. Committee on Future Roles, Challenges, and Opportunities for the U.S. Geological Survey. National Academy of Sciences/National Research Council. 1998-2000.

Member. Technical Advisory Board, Institute for Civil Infrastructural Systems, NSF-funded center housed at New York University. 1998-2000.

Co-Chair. Papers Organizing Committee, Annual Meeting of the Eastern Sociological Society. 1998-1999.

Reviewer. Proposed symposia topics for the 1999 Annual meeting of the American Association for the Advancement of Science. 1998.

Moderator. Social Sciences and Emergency Management research summary presentations at the NSF-sponsored Northridge Earthquake Research Conference, Los Angeles, CA, August 20-22, 1997.

Chair. Emergency Response session at the NSF-sponsored Northridge Earthquake Research Conference, Los Angeles, CA, August 20-22, 1997.

Moderator. "New Needs in Recovery: Links with Mitigation." Panel at the 22nd Annual Hazards Research and Applications Workshop, Denver, Co. July 13-16, 1997.

Member. Steering Committee, 6th U.S./Japan Workshop on Urban Earthquake Hazard Reduction, Los Angeles, CA. January 15-17, 1997.

Member. Research Committee, Multidisciplinary Center for Earthquake Engineering Research. 1997-2000.

Invited Participant and Speaker. U.S.-Japan Earthquake Policy Symposium, Washington, DC, September 16-18, 1996.

(organized by Federal Emergency Management Agency for the U.S. Department of State)

Organizer and Presider. "Theoretical Approaches in Disaster Research." Regular Session on Disasters for the 1996 annual meeting of the American Sociological Association. August 17, 1996

Member. Organizing Committee, Sixth International Symposium on Natural and Man-made Hazards, Toronto, Canada. July 21-26, 1996

Representative. Section K (Social, Economic and Political Science) on the ASA-AAAS Relations Committee (appointed by the ASA Council). 1996-1999.

Member. Board on Natural Disasters, National Academy of Sciences/Rational Research Council. 1996-1999.

Editorial Board Member. Kluwer Academic Publishers book series, Advances in Natural and Technological Hazards Research;

Editorial Board Member. University of Delaware Press. 1996-2000.

Editorial Board Member. Journal of Seismology and Earthquake Engineering (responsible for socio-economic articles). 1996-1999.

Member. Project Review Panel, NSF-funded project, "Enabling the Next Generation of Hazard Researchers: An Education and Training Proposal," Hazard Reduction and Recovery Center, Texas A&M University. 1995-1997

Invited Participant. NSF Future Directions Workshop, Washington, DC. August 3-4, 1995.

Member. Steering Committee, 6th U.S./Japan Workshop on Urban Earthquake Hazard Reduction, Los Angeles, CA. January 15-17, 1995.

Member. Advisory Panel on Earthquake Hazard Reduction Programs and Policies, Office of Technology Assessment, U.S. Congress. 1994-1995. (Resulting Publication: Office of Technology Assessment, Congress of the United States, Reducing Earthquake Losses. Washington, DC: Government Printing Office, September 1995.

Member. University of Delaware Press Editorial Board. 1994-Present.

Member. Research Utilization Council, Southern California Earthquake Center, University of Southern California. 1994-1995.

Member. Speakers Pool for Post-Earthquake Congressional Briefings. Organized for FEMA by EERI. 1994-present.

Member. Panel on Mitigation, National Hazards Assessment Project, 1995-1997. Funded by a consortium of Federal agencies, NSF is the principal funder.

Member. Panel on Recovery, National Hazards Assessment Project, 1995-1997. Funded by a consortium of Federal agencies, NSF is the principal funder.

Session Chair, "Precautionary Preparation and Mitigation Plans to Reduce Impacts" at the Conference on Economic Consequences of Earthquakes, New York, NY. September 12-13, 1995.

Member. International Advisory Committee, 5th International Conference on Seismic Zonation, Nice, France. U.S. participation supported by NSF. October 1995

Member. U.S. Organizing Committee. Sino-U.S. Symposium/Workshop on Post-Earthquake Rehabilitation and Reconstruction in Kunming, PRC, May 1995. U.S. participation supported by NSF.

Delegate. US-Taiwan Joint symposium on Urban Disaster Mitigation. U.S. participation supported by NSF. July 15-16, 1994.

Organizer and Presider. Plenary Session, Social Aspects of Earthquake Research, 5th National Earthquake Engineering Conference, Chicago, IL. July 10-14, 1994.

Panel Member. Special Session on The Effects of the Browning Earthquake Prediction at the 5th National Earthquake Engineering Conference, Chicago, IL. July 10-14, 1994.

Invited Panelist. Closing Session, 5th National Earthquake Engineering Conference, Chicago, IL. July 10-14, 1994.

Member. Editorial Board, Kluwer Academic Publishers new book series, Advances in Natural and Technological Hazards Research. 1993-Present.

Member. Advisory Committee, Natural Hazards Reduction Institute, Minority Center of Excellence, University of Puerto Rico, Mayaguez. Funded by NSF.

Participant. NSF Workshop on The Future of Earth Science and Earthquake Engineering Research. Washington, DC. June 17-18, 1993.

Presenter. "Research Issues on the Built Environment from a Multidisciplinary Perspective." College of Engineering Colloquium Series, University of Delaware, Newark, DE. May 10, 1993.

Member. Advisory Committee, NSF-funded research project on earthquake insurance. PI - Risa Palm, University of Oregon. 1992-1993.

U.S. Delegate. US-USSR Joint Workshop on Earthquake Hazard Mitigation, Moscow, Republic of Russia, USSR. September 1991.

Chair. Session on Policy Analysis in Public Decision Making at NCEER-sponsored Workshop on Research Utilization for Policy Analysis in Earthquake and Other Hazard Mitigation, Rensselaerville, NY. June 1991.

Organizer and Presider. Presentations by Soviet social scientists at National Research Council, Washington, DC. March 1991.

Organizer and Presider. Session on Transmitting Research to Practice and Practice to Research--Social Impacts and Policy Responses to the Loma Prieta Earthquake, at the annual meeting of the Earthquake Engineering Research Institute, Salt Lake City, UT. February 1991.

Organizer and Presider. Social science component of the NSF-sponsored International Workshop on Prediction and Perception of Natural Hazards, Perugia, Italy. October 1990.

Organizer and Presider. NAS/NRC Forum on Economic Consequences of a Catastrophic Earthquake, Washington, DC. August 1990.

U.S. Delegate. IDNDR East Asia Regional Meeting (sponsored by the National Academy of Sciences). Honolulu, HI. August 1990.

U.S. Delegate. US-Taiwan Bilateral Committee on Natural Disaster Reduction (sponsored by National Academy of Sciences). 1990-1998.

Member. Advisory Panel of the Hazard Reduction and Recovery Center, Texas A&M University. 1990-1995.

Invited Speaker. Geography colloquium, Rutgers University, New Brunswick, NJ. April 1990.

Invited Speaker. Colloquium series, College of Urban Affairs and Public Policy, University of Delaware. March 1990.

Invited Speaker. Geography colloquium, University of Delaware. March 1990.

Invited Participant. Risk Paradigm Workshop, Tufts University. January 1990.

Organizer and Presider. Panel on "Social Science Contributions to Understanding Earthquake Hazards." Annual meeting of the Society for Risk Analysis, San Francisco, CA. October 1989.

Invited Participant. NSF-sponsored seminar on Social Science Research on Disaster, Asian Institute of Technology, Bangkok, Thailand. March 1989.

Discussant. "Local Community Response to Chronic Technological Disasters." Session at the annual meeting of the American Sociological Association, Atlanta, GA. August 1988.

Invited Participant. NSF-sponsored workshop on Mass Media and Disasters, University of Delaware. August 1988.

Member. Scientific Advisory Committee, National Center for Earthquake Engineering Research (only social science representative). Funded by NSF. 1988-1996.

Member. The Emergency Management Institute's Board of Visitors (oversees emergency management curriculum development at EMI). 1988-1990.

Reviewer. National Research Council, National Academy of Sciences' final research reports. 1986-1990.

Chair. Public Policy Committee of the Earthquake Engineering Research Institute. 1987-1989.

Chair. "Collective Behavior and Social Movements." Session at the American Sociological Association annual meeting, New York, NY. September 1986.

Secretary. Research Committee on Disasters, International Sociological Association. 1986-1990.

Editor. *Unscheduled Events*, newsletter of the Research Committee on Disasters, International Sociological Association. 1986-1990.

Session Organizer. "Research Projects: Mexico City Earthquake." Session of the Natural Hazards Research Applications Workshop, University of Colorado, Boulder, CO. July 1986.

Chair. Panel on Seismic Hazard Mitigation Policy Formulation and Adoption for the National Academy of Sciences - National Research Council. 1986-1988.

Member. National Academy of Sciences Planning Committee for the International Decade of Hazards Reduction. 1986-1987.

Review Editor. *Symbolic Interaction*. 1986-1988.

Member. Public Policy Committee of the Earthquake Engineering Research Institute. 1985-1987.

Member. Joint US-Mexico Panel on the Mexico Earthquake. Convened by the National Academy of Sciences to provide a research agenda for NSF. December 1985.

Session Organizer. "Sociological Approaches to Disaster." Session of the Research Committee on Disasters of the International Sociological Association, Washington, DC. August 1985.

Session Organizer. "Hazards and Disasters." Session to be conducted at the Pacific Sociological Association annual meetings, Albuquerque, NM. April 1985.

Member. Earthquake Spectra Editorial Board. 1984-1990.

Discussant. "Societal Response to Hazards." Session conducted at the American Sociological Association annual meeting, San Antonio, TX. August 1984.

Member. National Academy of Sciences, National Research Council Committee on Earthquake Engineering. 1983-1991.

Session Organizer. "Marriage and Divorce." Session of the annual meetings of the Pacific Sociological Association, San Jose, CA. April 1982.

Deputy Chair. Social Science panel, Learning from Earthquakes Program, sponsored by the Earthquake Engineering Research Institute and the National Science Foundation. 1982-1998.

Session Organizer. "Sociological Approaches to Environmental Studies: Developments in Theory and Research." Conducted at the annual meetings of the Pacific Sociological Association, San Diego, CA. April 1982.

Co-Organizer. "A Workshop on Area-Specific Social Indicator Surveys." Sponsored by the University Program for Faculty Development, Arizona State University. April 1982.

Study Team Member. National Research Council Committee on Natural Disasters. For rapid, on-site assessment of the effects of natural disasters on populations (NSF-funded program). 1981-Present.

Session Organizer. "Socio-Economic and Policy Issues." Conference on Earthquake Engineering in the Eastern United States, Knoxville, TN. September 1981.

Organizer. "Marriage and Work: A Double Day?" Discussion session at the Arizona State University Women's Studies Conference on Working Women: Past, Present, Future. Tempe, AZ. April 1981.

Panel Member. "1981 - Current Issues for Women and Minorities in Sociology." Panel at the annual meetings of the Pacific Sociological Association, Portland, OR. March 1981.

Presider. "Symbolic Interactionism: Empirical Applications." Session at the annual meeting of the Pacific Sociological Association, Portland, OR. March 1981.

14. OTHER PROFESSIONAL ACTIVITIES

Member. Program Committee, 7th National Conference on Earthquake Engineering to be held on July 23-25, 2002, Boston, MA. 2000-2002.

Member. Project Impact Awards Review Committee, FEMA. October, 2000.

Board Member (as Past-President). Earthquake Engineering Research Institute. 1999-2000.

Session Chair. "Socio-Economic and Policy Issues" at the 6th national Conference on Earthquake Engineering, Seattle, WA. June 1-6, 1998.

President. Earthquake Engineering Research Institute. 1997-1998.

Member. Editorial Advisory Board, International Journal of Risk Management. 1997-present.

Member. Steering Committee for the 6th U.S.-Japan Workshop on Urban Earthquake Hazard Reduction, Los Angeles,

CA. January 15-17, 1997.

Member. "Earthquakes and Ethics Project" Committee. Earthquake Engineering Research Institute. 1997-1998.

Member. Development Committee, Earthquake Engineering Research Institute. 1997-1999.

Expert Witness. Testimony on the National Earthquake Hazard Reduction Program before the U.S. House of Representatives' Committee on Science, Subcommittee on Basic Research. April 24, 1997.

Chair. Advisory Group on Disaster Resistant Communities, International City/County Managers Association. Effort funded by FEMA. 1996-1997.

Board Member (as President-Elect). Earthquake Engineering Research Institute. 1996.

Pro bono Consultancy. State of Delaware (State Department of Social Services and Delaware Emergency Management Agency) for the development of the State's Volunteer Organizations Active in Disaster (VOAD) Program. 1996.

Member. Organizing Committee for the 6th International Symposium on Natural and Man-made Hazards, Toronto, Ontario, Canada. July 21-26, 1997.

Member. Speakers Pool for Post-Earthquake Congressional Briefings. Organized for Federal Emergency Management Agency by Earthquake Engineering Research Institute. 1996.

Session Chair. "Socio-Economic Effects" at the 4th U.S. Conference on Lifeline Earthquake Engineering, San Francisco, CA. August 10-12, 1995.

Invited Panelist. Closing Session, The National Earthquake Strategy, 5th National Earthquake Engineering Conference, Chicago, IL. July 10-14, 1994.

Panel Member. Special Session on The Effects of the Browning Earthquake Prediction at the 5th National Earthquake Engineering Conference, Chicago, IL. July 10-14, 1994.

Member. Earthquake Engineering Research Institute Honors Committee. 1994-1995.

Member. Technical Program Committee, 5th National Earthquake Engineering conference (reviewed social and policy science submissions). 1994.

Chair. Session Title: Socioeconomic and Public Policy Impacts: Building Code Issues. 1993 National Earthquake Conference, Memphis, TN. May 3-5, 1993.

Chair, Coordination Group. Highway Seismic Research Council, SUNY, Buffalo. 1992-1995.

Member. GAO Expert Panel on Federal Disaster Response. 1992-1993.

Vice President. Earthquake Engineering Research Institute. 1991.

Member. Steering Committee, National Center for Earthquake Engineering Research. 1991.

Invited Participant. Annual meeting of the Central United States Earthquake Consortium, Indianapolis, IN. December 1990.

Member. Governor's Council on Emergency Planning and Operations, State of Delaware. 1990-1993.

Invited Participant. NEHRP Policy Workshop, sponsored by FEMA. March 1990.

Chair. Publications Committee, Earthquake Engineering Research Institute. 1990.

Invited Speaker. Delaware Water-Use Advisory Committee, Delaware Geological Survey, Newark, DE. March 1990.

Member. Earthquake Engineering Research Institute Board of Directors. 1989-1992.

Study Team Member. NAS/NRC Reconnaissance investigation on New Year's Eve floods in Oahu, HI. 1988.

Program Chair. Annual meeting of the Earthquake Engineering Research Institute, Phoenix, AZ. February 1988.

Member. Nominating Committee. Earthquake Engineering Research Institute. 1988.

Member. Scientific Advisory Committee, National Center for Earthquake Engineering Research. 1987-1996.

Member. Earthquake Engineering Research Institute Committee on Planning for Earthquake Hazards. 1987-1988.

Member. Program Evaluation Advisory Board, Department of Economic Security, State of Arizona. 1986-1987.

Participant. Conference on the Chilean Earthquake sponsored by NSF and USGS, Reston, VA. July 1985.

Participant. Workshop on Earthquake Safety of Existing Hazardous Non-Federal Buildings funded by FEMA and NSF, Tempe, AZ. March 1985.

Member. Membership and Chapter Relations Committee, American Association of Public Opinion Research. 1984-1986.

Member. Nominating Committee, Earthquake Engineering Research Institute. 1984.

Adjunct Faculty. Lecture on "Emergency Preparedness Planning" for the Public Administration Faculty Workshop on Emergency Management, FEMA's National Emergency Management Institute, Emmitsburg, MD. May 1984.

Social Science Advisor. Publications Policy Committee for the Earthquake Engineering Research Institute. 1984-1988.

Study Team Member. EERI's reconnaissance investigation to the October 28, 1983, Mt. Borah Peak, Idaho earthquake.

Study Team Member. EERI's reconnaissance investigation on societal response to the May 2, 1983, Coalinga, California, earthquake.

Adjunct Faculty. Lectures on "Perception of Risk" for FEMA's Emergency Management Institute course, Fundamentals of Natural Hazards Management, Emmitsburg, MD. March 1982.

Panel Member. "A Multi-Disciplinary Workshop on Seismic Safety and Existing Buildings," sponsored by the National Science Foundation, Los Angeles, CA. March 1982.

Consultant. Social Science reviewer for the National Research Council, Commission on Sociotechnical Systems. 1982.

Member. Technical Program Committee. Conference on Earthquakes and Earthquake Engineering in the Eastern United States. Sponsored by FEMA, EERI, and a consortium of private sector corporations, Knoxville, TN. September 1981.

Panel Member. "Predicting Social Response and Private Sector Response to Earthquake Prediction," Earthquake Information Workshop sponsored by the United States Geological Survey, Los Angeles, CA. January 1980.

Proposal Reviewer:

National Science Foundation programs: Societal Response, Hazard Mitigation Program; U.S.- Japan. Urban Earthquake Hazard Reduction initiative; Science and Ethics Program; Sociology.
USGS External Grants Program.
NOAA Sea Grant Program.

Article/Manuscript Reviewer:

American Sociological Review
Journal of Social Problems
Symbolic Interaction
Sociological Inquiry
Gender and Society
Public Administration Review
Sociological Perspectives
Journal of Communication
Mass Emergencies and Disasters
Policy Studies Review
Earthquake Spectra
Social Science Journal
Environment and Behavior
International Journal of Risk Management
Environmental Hazards
Joseph Henry Press
MCEER Monograph Series
EERI Monograph Series
International Journal of Mass Emergencies and Disaster
Disasters

Membership in Professional Associations:

American Sociological Association
Eastern Sociological Society
Earthquake Engineering Research Institute
Pacific Sociological Association
Society for the Study of Social Problems
Society for the Study of Symbolic Interaction
American Society of Public Administrators
International Sociological Association
Chair. Committee on the Status of Women in the Discipline, Pacific
Sociological Association. 1982-1983.
Member. Committee on the Status of Women in the Discipline, Pacific
Sociological Association. 1981-1982.
Member. Herbert Blumer Award Committee, Society for the Study of Symbolic
Interaction. 1980-1981.

(Update: March 27, 2016)