

## ACADEMIC VITAE OF DENNIS S. MILETI

January 2021

### EDUCATION

University of Colorado, Boulder, Ph.D., Sociology, 1974

California State University, Los Angeles, M.A., Sociology, 1971

University of California, Los Angeles, B.A., Sociology, 1968

### SPECIALIZATIONS

Hazards and Disasters, Risk Communication, Research Methods

### APPOINTMENTS

2020-date Technical Advisor, Coachella Valley Emergency Preparedness Network  
2007-2020 Technical Advisor, Rancho Mirage Emergency Preparedness Commission  
2004-date Professor Emeritus, Univ. of Colorado Boulder  
2004-date Research Affiliate, Natural Hazards Center, Univ. of Colorado Boulder  
2004-2014 Research Affiliate, START Terrorism Center, Univ. of Maryland, College Park  
1994-2004 Professor (Chair 1997-2004), Dept. of Sociology, Univ. of Colorado Boulder  
1994-2003 Director, Natural Hazards Center, Univ. of Colorado Boulder  
1985-1993 Professor, Dept. of Sociology, Colorado State Univ., Fort Collins  
1984-1993 Director, Hazards Assessment Laboratory, Colorado State Univ., Fort  
Collins  
1981-1981 Policy Analyst, Seismic Safety Commission, State of California, Sacramento  
1978-1985 Associate Professor, Dept. of Sociology, Colorado State Univ., Fort  
Collins  
1974-1977 Assistant Professor, Dept. of Sociology, Colorado State Univ., Fort Collins

### AWARDS

2018 Award for Excellence, Business and Industry Council for Emergency Planning  
and Preparedness, Studio City, CA.  
2017 Norio Okada Award for Outstanding Contributions to Research Implementation  
Science, International Society for Integrated Disaster Risk Management (IDRiM),  
Reykjavik, Iceland.  
2016 Wayne Blanchard Award for Academic Excellence in Emergency Management  
Higher Education, Emergency Management Institute, Emmitsburg, MD  
2012 Outstanding Contribution Award to Disaster Research and Management, World  
Conference on Disaster Management, Toronto, Canada.  
2007 Outstanding Civilian Service Medal, U.S. Dept. of the Army, Army Corps of  
Engineers, for Work on the Expert Review Panel of the American Society of  
Engineers on the Levee Failures in New Orleans.  
2001 Research Award for Sustainable Hazards Mitigation, International Engineering  
Association of Structural Safety and Reliability.  
1999 Eric Noji Award for Pioneering Multi-Disciplinary Teaching and Research in  
Disaster Management, Center of Excellence in Disaster Management, World  
Health Organization.

- 1992 Excellence in Research and Creativity Award, College of Liberal Arts, Colorado State University.
- 1991 Oliver P. Pennock Distinguished Service Award, Colorado State University.
- 1984 Alumni Honor Faculty Award, Colorado State University Alumni Association.
- 1979 Excellence in Teaching, Research and Service Award, College of Liberal Arts, Colorado State University.

**GRANTS AND CONTRACTS**

- 2017-2018 Consulting Co-Principal Investigator, “Flood Warning and Protective Action Delay Analysis and Training,” subcontract from Gannett-Flemming Engineers for the U.S. Army Corps of Engineers Risk Management Center.
- 2014-2015 Consulting Co-Principal Investigator, “Warning and Evacuation Guidance in Support of Life Loss Estimation Due to Flooding, subcontract from RAC Engineers and Economists for the U.S. Army Corps of Engineers Risk Management Center.
- 2012-2014 Consultant, “Comprehensive Testing of Imminent Threat Public Messages for Mobile Devices,” subcontract from the START Center at the University of Maryland at College Park for the Science and Technology Directorate, Department of Homeland Security.
- 2012-2012 Consultant, “Bay Area Urban Security Initiative Public Information and Warnings Capability Assessment and Strategic Plan,” subcontract from Filler Security Strategies for the City and County of San Francisco.
- 2011-2013 Consultant, “Effective Risk Communication,” subcontract from the START Center at the University of Maryland at College Park for the Science and Technology Directorate, Department of Homeland Security.
- 2009-2010 Consultant, “Preparedness for Catastrophic Events,” subcontract from the START Center at the University of Maryland at College Park for the Federal Emergency Management Agency.
- 2008-2009 Consulting Principal, “Risk Communication Workshops,” contract with the U.S. Environmental Protection Agency, Washington, D.C.
- 2005-2008 Principal Investigator, “Modeling and Simulation of Public Response to Threat and Attacks,” subcontract from the START Center at the University of Maryland, College Park for the Science and Technology Directorate, Department of Homeland Security.

- 2005-2008 Co-Principal Investigator, “National Household Survey on Preparedness,” subcontract from the START Center at the University of Maryland, College Park for the Science and Technology Directorate, Department of Homeland Security.
- 2003-2004 Principle Investigator, “A Clearinghouse on Natural Hazards Research and Applications,” grant from the National Science Foundation.
- 2003-2005 Co-Principal Investigator, “A Program to Award Dissertation Fellowships in Hazards, Risk, and Disasters,” grant from the National Science Foundation.
- 2003-2004 Co-Principal Investigator, “Workshop on Designing Educational Opportunities for the Hazards Managers,” grant from the National Science Foundation.
- 2003-2004 Consultant, Pre-event Public Education and Warnings for Urban Wild Land Interface Fires,” contract from the U.S. Forest Service.
- 2002-2003 Consultant, Evacuation of the World Trade Center Towers on 9/11 Investigation, National Institute of Standards and Technology for the U.S. Congress.
- 2002-2003 Co-Principal Investigator, “An Assessment and Guide Book Development of Warnings for Terrorism,” subcontract from Oak Ridge National Laboratory for the Federal Emergency Management Agency.
- 2001-2002 Principal Investigator, “A Clearinghouse on Natural Hazards Research and Application,” grant from the National Science Foundation.
- 1999-2000 Principal Investigator, “A Clearinghouse on Natural Hazards Research and Applications,” grant from the National Science Foundation.
- 2000-2001 Co-Principal Investigator, “Guidance and Expertise on Sustainable Recovery from Disaster for Communities,” grant from the Public Entity Risk Institute.
- 1999-2000 Co-Principal Investigator, “A Framework for Establishing Disaster Recovery Assistance Teams,” grant from the Public Entity Risk Institute.
- 2000-2001 Co-Principal Investigator, “Historic Inequities in Disaster Losses: Identifying Disaster-Prone Places,” grant from the National Science Foundation.
- 1998-1999 Principal Investigator, “A Clearinghouse on Natural Hazards Research and Applications,” grant from the National Science Foundation.
- 1996-1997 Principal Investigator, “A Clearinghouse on Natural Hazards Research and Application,” grant from the National Science Foundation.
- 1994-1995 Principal Investigator, “A Clearinghouse on Natural Hazards Research and Applications, grant from the National Science Foundation.

- 1994-1999 Principal Investigator, “Assessment of Research and Applications on Natural Hazards,” grant from the National Science Foundation.
- 1992-1992 Principal Investigator, “Estimating the Need for a Second National Hazards Assessment,” grant from the National Science Foundation.
- 1994-1995 Co-Principal Investigator, “Utilization of Earth Science Information by Governments and Businesses in Southern California,” subcontract from the University of Delaware for the U.S. Geological Survey.
- 1991-1993 Principal Investigator, “Bay Area Response to Future Major Earthquake Information,” grant from the National Science Foundation.
- 1990-1991 Principal Investigator, “Aftershock Warning Response in the Loma Prieta Earthquake,” grant from the National Science Foundation.
- 1988-1990 Principal Investigator, “Public Response to the Parkfield Earthquake Prediction Experiment,” grant from the National Science Foundation.
- 1987-1988 Associate Investigator, “Model Response Plan for the Three Mile Island Nuclear Reactor,” subcontract from Clark University for the TMI Public Health Fund.
- 1987-1988 Principal Investigator, “Research Applications for Emergency Preparedness,” contract from Public Service Company of New Hampshire.
- 1987-1987 Principal Investigator, “Socioeconomic Impacts of the Proposed High-Level Radioactive Waste Site at Hanford, Washington,” subcontract from Social Impact Assessment Incorporated for the State of Washington.
- 1987-1987 Principal Investigator, “Public Perception of Seismic Risk in Santa Clara County,” contract from the Bay Area Regional Earthquake Preparedness Project, Governor’s Office of Emergency Services.
- 1986-1987 Co-Principal Investigator, “Warning Systems: A State of the Art Review,” subcontract from Oak Ridge National Laboratory for the Federal Emergency Management Agency.
- 1984-1985 Associate Investigator, “Evacuation Liabilities,” subcontract from Oak Ridge National Laboratory for the U.S. Department of Energy.
- 1984-1985 Principal Investigator, “Human Stress Impacts from the Livingston Chemical Train Derailment,” contract from Illinois Central Gulf Railroad.

- 1984-1985 Associate Investigator, “Evacuation: A State-of-the-Art Assessment,” subcontract from Oak Ridge National Laboratory for the Federal Emergency Management Agency.
- 1984-1985 Associate Investigator, “International Study of Disaster Impact on Domestic Assets,” subcontract from the University of Georgia for the National Science Foundation.
- 1983-1988 Principal Investigator, “Research and Applications for Emergency Preparedness,” contract from Long Island Lighting Company.
- 1982-1983 Associate Investigator, “Organizational Interface for Nuclear Reactor Emergency Preparedness,” subcontract from Oak Ridge National Laboratories for the Nuclear Regulatory Commission.
- 1981-1981 Principal Investigator, “Nuclear Hazard Warnings and Emergency Evacuation Preparedness,” contract from Pacific Gas and Electric Company.
- 1980-1983 Principal Investigator, “Local Land Use Policy Decisions,” Grant from the Colorado State University Experiment Station.
- 1979-1982 Principal Investigator, “Behavioral Aspects of the Three Mile Island Incident and Re-Start,” contract from General Public Utilities.
- 1977-1980 Principal Investigator, “Migration Impacts of Non-Metropolitan Areas in the West,” grant from the Colorado State University Experiment Station.
- 1977-1979 Principal Investigator, “Adoption and Implementation of Policy for Land Use Regulations,” grant from the National Science Foundation.
- 1975-1977 Co-Principal Investigator, “Socioeconomic and Political Consequences of Earthquake Prediction,” grant from the National Science Foundation.

#### **COMMITTEE AND BOARD MEMBERSHIPS**

- 2019-2020 Member, Alerts, Warnings, and Notifications Working Group, Science and Technology Directorate, Department of Homeland Security, Washington, D.C.
- 2017-2019 Member, Integrated Public Alert and Warning System (IPAWS) Subcommittee, National Advisory Council, Federal Emergency Management Agency Washington, D.C.
- 2016-2017 Member, Committee on the Future of Emergency Alert and Warning Systems: Research Directions, National Research Council, National Academy of Sciences, Washington, D.C.

- 2013-2015 Member, Scientific Advisory Committee, National Center for Risk and Economic Analysis of Terrorism Events (CREATE), University of Southern California, Los Angeles.
- 2012-2013 Member, Committee on Geo-targeted Alerts and Warnings: Workshop on Current Knowledge and Research Gaps, Computer Science and Telecommunications Board, National Research Council, National Academies of Sciences, Washington, D.C.
- 2012-2012 Member, Advisory Panel, Workforce Preparedness Initiative, U.S. Department of the Treasury, Washington, D.C.
- 2011-date Member, Advisory Board, Planning, Design, and Construction Institute, College of Architecture and Environmental Design, California State Polytechnic University, San Luis Obispo.
- 2009-2013 Member, Advisory Committee, Preparedness and Emergency Response Research Center, Center for Public Health and Disasters, University of California at Los Angeles.
- 2008-2010 Member, Committee on Review of the Tsunami Warning and Forecast System and the Nation's Tsunami Preparedness, Ocean Studies Board, Division on Earth and Life Sciences, National Research Council, National Academy of Sciences.
- 2007-2011 Member, Advisory Council, Southern California Earthquake Center, University of Southern California, Los Angeles, CA.
- 2005-2009 Commissioner, California Seismic Safety Commission, State of California, Sacramento, CA, Vice Chair 2006-2007.
- 2005-2006 Member, American Society of Civil Engineers External Review Panel for the Army Corps of Engineers Performance Evaluation of the New Orleans and South East Louisiana Hurricane Protection Projects. Washington, D.C.
- 2005-2009 Member, Panel on the Implementation into Codes and Standards of Recommendations from the NIST World Trade Center Investigation, National Institute of Building Sciences, Washington, D.C.
- 2003-2005 Member, Expert Advisory Task Force on Emergency Planning at the Indian Point Nuclear Reactor. Entergy, Inc., White Plains, NY.
- 2002-2003 Member, Social Science Research Board, Learning from Earthquakes Project, Earthquake Engineering Research Institute, Oakland, CA.
- 2002-2005 Expert Advisor, National Institute for Standards and Technology, Project 7: Evacuation of the World Trade Center Towers on 9/11, Gaithersburg, MD.

- 2002-2002 Member, E.L. Quarantelli Award for Social Science Disaster Theory Committee, Research Committee on Disasters, International Sociological Association.
- 2001-2003 Member, Board of Trustees, Partnership for Public Warnings, the Mitre Corporation, Washington, D.C.
- 2001-2006 Member, Steering Committee, Evaluation of the National Flood Insurance Program, Federal Emergency Management Agency, Washington, D.C.
- 2001-2002 Member, Advisory Board, Decision-Making in Lifeline Organizations, Pacific Earthquake Engineering Research Center, University of California at Berkeley.
- 2000-2000 Judge, Annual International Environmental Award Committee, the Pacific Basin Economic Council, Honolulu, HI.
- 2000-2003 Member, Board of Directors, Earthquake Engineering Research Institute, Oakland, California
- 2000-2002 Member, Scientific Advisory Committee, Multi-Disciplinary Center for Earthquake Engineering Research, State University of New York, Buffalo.
- 2000-2002 Member, Steering Committee on Research Grants, Center for Disaster Management and Assistance, University of South Florida, Tampa, FL.
- 1998-2010 Member, Board of Directors, Multi-Hazard Mitigation Council, National Institute of Building Sciences, Washington, D.C.
- 1998-1999 Member, Committee on the True Costs of Coastal Natural Hazards, the H. John Heinz III Center for Science, Economics, and the Environment, Washington, D.C.
- 1997-2007 Member, Advisory Board, Mid-America Earthquake Engineering Research center, University of Illinois, Urbana-Champaign.
- 1997-1999 Member, Panel on Human Dimensions of Seasonal to Inter-Annual Climate Variability, National Academy of Sciences, National Research Council, Commission on Behavioral Sciences and Education, Washington, D.C.
- 1997-1999 Member, Working Group on Warning Systems, United Nations, International Decade for Natural Disaster Reduction, Geneva, Switzerland.
- 1996-1998 Member, Board of Editors, Routledge Press, Disasters Series, London, England.
- 1996-1998 Member, Advisory Committee, Consortium of California Universities for Research in Earthquake Engineering.

- 1995-1997 Member, Steering Committee, Colorado Natural Hazards Mitigation Council, Denver, Colorado.
- 1994-1997 Member, Advisory Board of Visitors, Chair 1996-1997, Emergency Management Institute, Federal Emergency Management Agency, Emmitsburg, Maryland.
- 1994-1997 Member, Board of Directors, International Sociological Association, Research Committee on Disasters.
- 1994-1997 Member, Steering Committee, Environmental Studies Program, College of Arts and Sciences, University of Colorado at Boulder.
- 1993-1944 Member, Nominating Committee, Earthquake Engineering Research Institute, Oakland, California.
- 1991-1993 Member, Steering Committee, National Earthquake Education Program, Federal Emergency Management Agency, Washington, D.C.
- 1991-1996 Member, Committee on Technology Transfer, Earthquake Engineering Research Institute, Oakland, California.
- 1991-2002 Member, Advisory Council, Southern California Earthquake Center, University of Southern California, Los Angeles, California.
- 1984-1992 Member, Committee on Natural Disasters, Chair 1989-1991. National Academy of Sciences, National Research Council, Commission on Engineering and Technical Systems, Washington, D.C.
- 1989-1990 Member, Program Committee for the Annual Meeting in Spokane, Pacific Sociological Association.
- 1989-1993 Member, Advisory Committee, Natural Hazards Center, Institute of Behavioral Science, University of Colorado at Boulder.
- 1984-1988 Member, Subcommittee on Earthquakes, National Academy of Sciences, National Research Council, Commission on Physical Sciences, Mathematics, and Resources, Board on Earth Sciences, Washington, D.C.
- 1982-1983 Member, Nominations Committee for the Standing Committees for 1983, Pacific Sociological Association.
- 1982-1984 Chair, Committee on Social Science Research, Earthquake Engineering Research Institute, Berkeley, California.



- 1981-1983 Member, Earthquake Studies Program Advisory Panel, U.S. Geological Survey, Washington, D.C.
- 1981-1982 Member, Program Committee for the 1982 Meeting, Pacific Sociological Association.
- 1981-1982 Member, Threat and Reconstruction Committees, Governor's Emergency Task Force on Earthquakes, State of California, Sacramento.
- 1980-1981 Member, Governor's Science and Technology Advisory Council, State of Colorado, Committee on Uranium Mill Tailings, Denver, Colorado.
- 1979-1979 Member, Committee on Fire Safety and Disaster Preparedness, American Association for the Advancement of Science, Washington, D.C.
- 1976-1978 Member, Committee on Socioeconomic Effects of Earthquake Prediction, National Academy of Sciences, National Research Council, Commission on Sociotechnical Systems, Washington, D.C.

### **BOOKS AND MONOGRAPHS**

- Committee on the Future of Emergency Alert and Warning Systems: Research Directions. 2018. Emergency Alert and Warning Systems: Current Knowledge and Future Research Directions. Washington, D.C.: Computer Science and Telecommunications Board, Division of Engineering and Physical Sciences, National Research Council of the National Academies.
- Committee on Geo-targeted Disaster Alerts and Warning. 2013. Geo-targeted Alert and Warnings. Washington, D.C.: Computer Science and Telecommunication Board, Division on Engineering and Physical Sciences, National Research Council of the National Academies.
- Committee on the Review of the Tsunami Warning and Forecast System and Overview of the Nation's Tsunami Preparedness. 2010. Tsunami Warning and Preparedness: an Assessment of the U.S. Tsunami Program and the Nation's Preparedness Efforts. Washington, D.C.: Ocean Studies Board, Division on Earth and Life Sciences, National Research Council of the National Academies.
- Panel on Risk, Vulnerability, and the True Costs of Coastal Hazards, H. John Heinz III Center for Science, Economics, and the Environment. 2000. The Hidden Costs of Coastal Hazards. Washington, D.C.: Island Press.
- Mileti, Dennis S. 1999. Disasters by Design: A Reassessment of Natural Hazards in the United States. Washington, D.C.: Joseph Henry Press. Reprinted in Chinese and Japanese. Executive Summary also published as Mileti, Dennis S. 1999. Summary, Disasters by Design: A Reassessment of Natural Hazards in the United States. Washington, D.C.: Joseph Henry Press.

- Panel on Human Dimensions of Seasonal to Inter-Annual Climate Variability. 1999. Making Climate Forecasts Matter. Washington, D.C.: National Academy of Sciences, National Research Council.
- Mileti, Dennis S., and Colleen Fitzpatrick. 1993. The Great Earthquake Experiment: Risk Communication and Public Action. Boulder, CO: Westview Press.
- Mileti, Dennis S., Patricia A. Bolton, Gabriel Fernandez, and Randall G. Updike. 1991. The Eruption of Nevado del Ruiz Volcano Colombia, South America, November 13, 1985. Washington, D.C.: National Academy Press.
- Mileti, Dennis S., Randall G. Updike, Patricia A. Bolton, and Gabriel Fernandez. 1986. Recommendations for Improving the Existing Warning System for a Possible Nevado del Ruiz Volcanic Eruption, Colombia, South America. Washington, D.C.: National Academy of Sciences.
- Committee on Socioeconomic Effects of Earthquake Prediction. 1978. A Program of Studies on the Socioeconomic Effects of Earthquake Prediction. Washington, D.C.: National Academy Press.
- Gillespie, David F., and Dennis S. Mileti. 1979. Technostructures and Interorganizational Relations. Lexington, MA: Lexington Books.
- Gillespie, David F., Dennis S. Mileti and Ronald W. Perry. 1976. Organizational Response to Changing Community Systems. Kent, OH: Kent State Univ. Press.
- CHAPTERS IN BOOKS**
- Mileti, Dennis S. 2007. "Disasters by Design." In Gloria Grace (Ed.). The L.A. Earthquake Sourcebook. Los Angeles: Art Center.
- Mileti, Dennis S. 2005. "Disasters by Design." Pp. 1-12 in B.T. Ewing, et. al. (Ed.). Economics and the Wind. Washington, D.C.: Nova Science Publishers.
- Mileti, Dennis S., and Mary Fran Myers. 2002. "Natural Hazards: Social and Policy Responses." In T. Munn (Ed.). Encyclopedia of Global Climate Change. Chicester, UK: John Wiley.
- Nigg, Joanne M., and Dennis S. Mileti. 2002. "Natural Hazards and Disasters." Pp. 272-294 in Riley E. Dunlap and William Michelson (Eds.). Handbook of Environmental Sociology. London, UK: Greenwood Press.
- Peek, Lori A. and Dennis S. Mileti. 2002. "The History and Future of Disaster Research." In R. Bechtel and A. Churchman (Eds.). Handbook of Environmental Psychology. New York, NY: John Wiley.

- Mileti, Dennis S., and Lori A. Peek. 2002. "Understanding Individual and Social Characteristics in the Promotion of Household Disaster Preparedness." In P. Stern (Ed.). New Tools for Environmental Protection: Education, Information, and Voluntary Measures. Washington, D.C.: National Academies Press.
- Mileti, Dennis S., and Lori Peek. 2001. "How Do Societies Manage Risk?" Pp. 35-45 in N. S. Baer and F. Snickars (Eds.). Rational Decision-Making in the Preservation of Cultural Property. Berlin, Germany: Dahlem University Press.
- O'Brien, Paul W., and Denis S. Mileti. 2001. "The Sociological Dimensions of Earthquake Mitigation, Preparedness, Response, and Recovery." In William Lee (Ed.). Handbook on Earthquake and Engineering Seismology. International Association of Seismology and Physics of the Earth's Interior.
- Mileti, Dennis S. 1999. "The Challenge for a Safer 21<sup>st</sup> Century." Pp. 290-293 in Jon Ingleton (Ed.). Natural Disaster Management. Leicester, England, UK: Tudor Rose.
- Mileti, Dennis S., and John H. Sorensen. 1995. "Warning Systems: A Social Science Perspective." Pp. 337-373 in D. Golding, J. Kasperson, and R. Kasperson (Eds.). Preparing for Nuclear Power Plant Accidents. Boulder, CO: Westview.
- Sorensen, John, H., and Dennis S. 1995. "Pre-Emergency Information Programs for Accidents at Nuclear Power Plants." Pp. 311-336 in D. Golding, J. Kasperson, and R. Kasperson (Eds.). Preparing for Nuclear Power Plant Accidents. Boulder, CO: Westview Press.
- Fitzpatrick, Colleen, and Dennis S. Mileti. 1994. "Public Risk Communication." Pp. 71-84 in R. R. Dynes and K. J. Tierney (Eds.) Disasters, Collective Behavior, and Social Organization. Newark, DE: Univ. of Delaware Press.
- Mileti, Dennis S. 1993. "Communicating Public Earthquake Risk Information." Pp. 143-152 in J. Nemeč et al. (Eds.) Prediction and Perception of Natural Hazards. The Netherlands: Kluwer Academic Publishers.
- Sorensen, John H., and Dennis S. Mileti. 1991. "Risk Communication in Emergencies." Pp. 367-392 in R.E. Kasperson and P.J.M. Stallen (Eds.). Communicating Risks to the Public. The Netherlands: Kluwer Publishers.
- Mileti, Dennis S., and John H. Sorensen. 1989. "The Effectiveness of Warning Systems in Latin America." Pp. 187-198 in Bruno R. Lima and Moises Gavia (Eds.) Psychological Consequences of Disasters: The Latin American Experience. Chicago, IL: University of Illinois.
- Mileti, Dennis S., and John H. Sorensen. 1988. "Planning and Implementing Warning Systems." Pp. 321-345 in Mary Lystad (Ed.) Mental Health Responses to Mass Emergencies: Theory and Practice. New York, NY: Brunner Mazel.

- Tapay, Nenita E., Alan C. Early and Dennis S. Mileti. 1987. "Irrigation Organizations in the Philippines: Structure and Effectiveness of National and Communal Types." Pp. 209-221 in Harry K. Schwarzweller (Ed.) Research in Rural Sociology and Development: Third World Contexts. Greenwich, CT: JAI Press.
- Mileti, Dennis S. 1987. "Stress from Risk Uncertainties." Pp. 123-128 in Vincent T. Covello, L. Lave, A. Moghissi and V.R. Uppuluri (Eds.) Uncertainty in Risk Assessment, Risk Management and Decision Making. New York, NY: Plenum.
- Mileti, Dennis S. 1987. "Sociological Methods and Disaster Research." Pp. 57-70 in Russell R. Dynes, B. de Marchi and C. Pelanda (Eds.) Sociology of Disasters: Contributions of Sociology to Disaster Research. Milan, Italy: Franco Angeli Libri.
- Sorensen, John H., and Dennis S. Mileti. 1987. "Programs that Encourage the Adoption of Precautions Against Natural Hazards." Pp. 208-230 in Neil D. Weinstein (Ed.) Taking Care: Understanding and Encouraging Self-Protective Behavior. NY: Cambridge.
- Mileti, Dennis S., and John H. Sorensen. 1987. "Hazards and Precautionary Behavior." Pp. 189-207 in N. D. Weinstein (Ed.) Taking Care: Understanding and Encouraging Self-Protective Behavior. New York, NY: Cambridge.
- Cochrane, Hal, and Dennis S. Mileti. 1986. "The Consequences of Nuclear War: An Economic and Social Perspective." Pp. 381-409 in F. Soloman and R.Q. Martson (Eds.) the Medical Implication of Nuclear War. Washington, D.C.: National Academy Press.
- Hartsough, Donald M., and Dennis S. Mileti. 1985. "The Media in Disasters." Pp. 282-294 in J. Laube and S. Murphy (Eds.), Perspectives in Disaster Recovery. Norwalk, Connecticut: Appleton-Century-Crofts.
- Hutton, Janice, John Sorensen and Dennis S. Mileti. 1981. "Earthquake Prediction and Public Reaction." Pp. 129-166 in T. Rikitake (Ed.). Current Research in Earthquake Prediction. Boston, MA: Reidel Publishing Company.

### **JOURNAL ARTICLES**

- Wood, Michele, Dennis Mileti, Hamilton Beam, Brooke Lui, Jeannette Sutton, and Stephanie Madden. 2018. "Milling and Public Warnings," Environment and Behavior 50(11): 535-566.
- Fisher Lui, Brooke, Michele Wood, Michael Egnoto, Hamilton Bean, Jeannette Sutton, Dennis Mileti, and Stephanie Madden. 2017. "Is a Picture Worth a Thousand Words: The Effects of Maps and Warning Messages on How Publics Respond to Disaster Information," Public Relations Review 43(3): 493-506.

- Bean, Hamilton, Brooke F. Lui, Stephanie Madden, Jeannette Sutton, Michele M. Wood, and Dennis Mileti. 2016. "Disaster Warnings in Your Pocket: How Audiences Interpret Mobile Alerts for an Unfamiliar Hazard," Journal of Contingencies and Crisis Management 4(3): 136-147.
- Bean, Hamilton, Jeannette Sutton, Brooke Lui, Stephanie Madden, Michele Wood, and Dennis Mileti. 2015. "The Study of Mobile Public Warning Messages: A Research Review and Agenda," The Review of Communication 15: 60-80.
- Bourque, Linda B., Rotrease Regan, Mellissa M. Kelley, Michele M. Wood, Megumi Kano, and Dennis S. Mileti. 2013. "An Examination of the Effects of Perceived Risk on Preparedness Behavior," Environment and Behavior 45(5): 615-649.
- Averill, Jason D., Dennis S. Mileti, R. Peacock, E. Kuligowski, N. Groner, G Proulx, P. Reneke, and H. Nelson. 2012. "Federal Investigation of the Evacuation of the World Trade Center on September 11, 2001," Fire and Materials published online 2012.
- Wood, Michele M., Dennis S. Mileti, Megumi Kano, Melissa M. Kelley, Rotrease Regan, and Linda B. Bourque. 2012. "Communicating Actionable Risk for Terrorism and Other Hazards," Risk Analysis: An International Journal 32(4): 601-615.
- Bourque, Linda B., Dennis S. Mileti, Megumi Kano, and Michele M. Wood. 2012. "Who Prepares for Terrorism," Environment and Behavior 44(3): 374-409.
- Kano, Megumi, Michele M. Wood, Linda B. Bourque, and Dennis S. Mileti. 2011. "Terrorism Preparedness and Exposure Reduction since 9/11: The Status of Public Readiness in the U.S.," Journal of Homeland Security and Emergency Management 8(1) #37: 1-17.
- Goltz, James D., and Dennis S. Mileti. 2011. "Public Response to a Catastrophic Southern California Earthquake: A Sociological Perspective," Earthquake Spectra 27(2): 487-504.
- Porter, Keith, Lucile Jones, Dale Cox, James Goltz, Ken Hudnut, Dennis Mileti, Sue Perry, Kim Shoaf, Jerry Treiman and Anne Wein. 2011. "The ShakeOut Scenario: A Hypothetical Earthquake on the Southern San Andreas Fault," Earthquake Spectra 27(2): 239-261.
- Mileti, Dennis S., Linda B. Bourque, Michele M. Wood, and Megumi Kano. 2011. "Motivating Public Mitigation and Preparedness for Earthquakes and Other Hazards," Journal of Multi-Hazard Mitigation and Risk Assessment (Spring): 25-31.
- Wood, Michele M., Megumi Kano, Dennis S. Mileti, and Linda B. Bourque. 2009. "Re-Conceptualizing Household Disaster Readiness: The Get Ready Pyramid," Journal of Emergency Management 7(4 July/August): 25-37.
- Kuligowski, Erica, and Dennis S. Mileti. 2009. "Modeling Pre-Evacuation Delay by Occupants in World Trade Center Towers 1 and 2 on 9/11," Fire Safety Journal 44(4): 487-496.

- Kasapoglu, Aytul, Dennis S. Mileti, and N.C. Kaya. 2008. "Learning Diversity in Higher Education," Journal of Sociological Research 11:5-34
- Kasapoglu, Aytul, Dennis S. Mileti, and Mathieu DeFlem. 2007. "Is the United States Ready for Future Catastrophes? Estimating the Effectiveness of Organizations for Hazard Mitigation since 9/11," Journal of Homeland Security 9:4.
- Mileti, Dennis S., and Julie Gailus. 2005. "Sustainable Development and Hazards Mitigation in the United States: Disasters by Design Revisited," Mitigation and Adaptation Strategies for Global Change 10(3): 491-504. Reprinted as pp. 159-172 in C. Emdad Haque (Ed.). 2005. Mitigation of Natural Hazards and Disasters: International Perspectives. The Netherlands: Springer.
- Mileti, Dennis S., Daniel Cress, and JoAnne DeRouen Darlington. 2002. "Earthquake Culture and Corporate Action," Sociological Forum 17(1): 161-180.
- Mileti, Dennis S. 2002. "Sustainability and Hazards," International Journal of Mass Emergencies and Disasters 20(2): 135-138.
- Mileti, Dennis S., and Lori Peek. 2001. "Hazards and Sustainable Development in the United States," Risk Management: An International Journal 3(1): 61-70.
- Mileti, Dennis S., and Lori Peek. 2000. "The Social Psychology of Public Response to Warnings of a Nuclear Power Plant Accident," Journal of Hazardous Materials 75: 181-194.
- Mileti, Dennis S., and JoAnne DeRouen Darlington. 1997. "The Role of Searching Behavior in Response to Earthquake Risk Information," Social Problems 44(1): 89-103.
- Mileti, Dennis S., and Eve Passerini. 1996. "A Social Explanation of Urban Relocations after Earthquakes," International Journal of Mass Emergencies and Disasters 14(1): 97-110.
- Mileti, Dennis S. 1996. "The Social Psychology of Public Response to Disaster Warnings," Disasters and Society 4(6): 104-116.
- Mileti, Dennis S., JoAnne Darlington, Eve Passerini, Betsy Forrest, and Mary Fran Myers. 1995. "Toward an Integration of Natural Hazards and Sustainability," The Environmental Professional 17(2): 117-126.
- Mileti, Dennis S., and JoAnne Darlington. 1995. "Societal Response to Revised Earthquake Probabilities in the San Francisco Bay Area," International Journal of Mass Emergencies and Disasters 13(2): 119-145.
- Mileti, Dennis S. and Paul W. O'Brien. 1992. "Warnings During Disaster: Normalizing Communicated Risk," Social Problems 39(1): 40-57. Reprinted in U.S. Geological Survey (Ed.) 1993. The Loma Prieta Earthquake of October 17, 1989. Washington, D.C.: U.S. Government Printing Office.

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### **CONFERENCE PAPERS**

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- Bean, Hamilton, Jeannette Sutton, Brooke Lui, Stephanie Madden, Michele Wood, and Dennis Mileti. 2014. "The Study of Mobile Public Warning Messages: A Research Review and Agenda," paper presented to the Annual Meeting of the National Communication Association, Chicago, IL: November.

- Mileti, Dennis S. 2006. "Natural Hazards and Sustainable Development," keynote paper presented to the United Nations Habitat World Urban Forum 3, World Planners Congress, Vancouver, British Columbia, Canada: June.
- Tierney, Kathleen, and Dennis S. Mileti. 2005. "Communicating Risk and Encouraging Self-protective Action," paper presented to the Annual Meeting of the American Meteorological Society, Living in the Coastal Zone. San Diego, CA: January.
- Mileti, Dennis S. 2000. "Promoting Household Disaster Preparedness," paper presented to the Workshop on Education, Information, and Voluntary Measures in Environmental Protection. National Academies/National Research Council, Committee on the Human Dimensions of Global Change. Washington, D.C.: November.
- Mileti, Dennis S. 1999. "Designing Future Disasters," keynote paper presented to the 6<sup>th</sup> Annual Reinsurance Hazards Conference: The Changing Risk Landscape's Implications for Insurance Risk Management. Gold Coast, Queensland, Australia: August.
- Mileti, Dennis S. 1998. "Sustainable Hazards Mitigation," paper presented to the Session on Disaster Research of the Pacific Sociological Association, San Francisco, CA: April.
- Mileti, Dennis S. 1997. "Managing Hazards into the 21st Century," paper presented to the Conference on Floodplain Management. Little Rock, Arkansas: June.
- Mileti, Dennis S. 1996. "Providing Resiliency Throughout the Nation," paper presented to the Conference on Natural Disaster Reduction of the American Society of Civil Engineers. Washington, D.C.: December.
- Mileti, Dennis S., and JoAnne DeRouen Darlington. 1996. "Culture and Corporate Action," paper presented at the Session on the Role of Culture on Adaptation in Organizations of the American Sociological Association, New York: August.
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- Cochrane, Hal, and Dennis S. Mileti. 1985. "Vulnerabilities of Health Care Systems to the Effect of Nuclear War," paper presented to the Session on Medical Needs of the Symposium on the Implications of Nuclear War, National Academy of Sciences, Institute of Medicine. Washington, D.C.: September.
- Mileti, Dennis S., and R. Gary Williams. 1985. "A Sociological Perspective on the Sighting of Hazardous Waste Facilities," paper presented to the Social and Economic Effects of Public Perceptions Session of the Symposium on Waste Management, Tucson: March.
- Mileti, Dennis S., Rick Hufnagel and David Gillespie. 1984. "Regulation of the Firm," paper presented to the Organizations Session of the American Sociological Association, San Antonio: August.
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- Mileti, Dennis S. 1984. "Social and Political Obstacles to the Use of Nonstructural Flood Loss Mitigation Measures," paper presented to the American Society of Civil Engineers, San Francisco: October.



- Mileti, Dennis S. 1984. "Why People Take Precautions Against Natural Hazards," paper presented to the Conference on Encouraging Self-Protection Behavior, Rutgers University: July.
- Mileti, Dennis S. 1984. "Sociology in Litigation: Applications of Disaster Research," paper presented to the Sociology of Disasters Session of the Pacific Sociological Association, Seattle: April.
- Mileti, Dennis S. 1983. "Social Impact and Use of Earthquake Prediction-Warnings," paper presented to the US-Japan Seminar on Practical Approaches to Earthquake Prediction and Warning, Tokyo: November.
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- Mileti, Dennis S., Donald M. Hartsough, Patti Madson and Rick Hufnagel. 1983. "The Three Mile Island Incident: A Study of Unobtrusive Indicators of Human Stress," paper presented to the Disasters and Hazards Research Session of the Midwest Sociological Society, Kansas City: April.
- Hufnagel, Rick, and Dennis S. Mileti. 1983. "Organizational and Environmental Catastrophe: Factors Affecting Organizational Response to a Predicted Earthquake," paper presented to the Disasters and Hazards Research Session of the Western Social Science Association, Albuquerque: April.
- Mileti, Dennis S. 1982. "Earthquake Prediction Response: Comparisons Between Japan and the U. S.," paper presented to the Disaster Research Session of the International Sociological Association, Mexico City: August.
- Mileti, Dennis S. 1982. "Influencing Corporate Decisions on the Use of Microzonation Information," paper presented to the Third International Conference on Microzonation, Seattle: June.
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- Mileti, Dennis S. 1982. "Public Perception of Seismic Hazards," paper presented to the Seismological Society of America, Anaheim: April.
- Williams, Gary, Frank Santopolo and Dennis S. Mileti. 1980. "Perception of Growth Impacts in Energy Impacted Communities," paper presented to the Rural Sociological Society, Ithaca: August.

- Timmer, Doug, and Dennis S. Mileti. 1980. "Inter-Organizational Determinants of Decision Making in Organizations," paper presented to the Session on Organizations of the Midwest Sociological Society, Milwaukee: April.
- Williams, Gary, and Dennis S. Mileti. 1980. "Community Growth and Socioeconomic Impacts," paper presented to the Western Social Science Association, Albuquerque: April.
- Williams, Gary, and Dennis S. Mileti. 1979. "Perceptions of Growth Impacts in Non-Metropolitan Colorado," paper presented to the Impacts Session of the Conference on Regional Migration Trends, St. Louis: October.
- Mileti, Dennis S., and Gary Williams. 1979. "Resident Perceptions in Growth Impacted Western Agricultural Communities," paper presented to the Rural Sociological Society, Vermont: August.
- Gillespie, David F., Dennis S. Mileti and Stan Eitzen. 1979. "The Epiphenomenality of Organizational Size," paper presented to the Session on Complex Organizations of the Midwest Sociological Society, Milwaukee: April.
- Mileti, Dennis S., and David F. Gillespie. 1978. "Organizational Size, Complexity and Decision Making," paper presented to the Organizations Session of the American Sociological Association, San Francisco: September.
- Gillespie, David F., and Dennis S. Mileti. 1978. "Corporate Size as Work," paper presented to the Organization of Work Session of the American Sociological Association, San Francisco: September.
- Mileti, Dennis S., and David F. Gillespie. 1978. "Action Postulates in Organization-Environment Relations," paper presented to the Organization Environment Session of the Midwest Sociological Society, Omaha: April.
- Gillespie, David F., and Dennis S. Mileti. 1978. "Size and Organizational Differentiation," paper presented to the Formal and Complex Organizations Session of the Pacific Sociological Association, Spokane: April.
- Mileti, Dennis S., and Patricia Harvey. 1977. "Correcting for the Human Factor in Tornado Warnings," paper presented to the Conference on Severe Local Storms, American Meteorological Society, Omaha: October.
- Mileti, Dennis S., and David F. Gillespie. 1977. "Organization and Environment Adaptation-Manipulation," paper presented to the Organizational Relations Session of the American Sociological Association, Chicago: September.
- Hutton, Janice R., and Dennis S. Mileti. 1977. "The Uses and Abuses of Scenarios in Policy Research," paper presented to the Social Policy Session of the American Sociological Association, Chicago: September.

- Gillespie, David F., and Dennis S. Mileti. 1977. "Organizational Growth and Managerial Efficiency," paper presented to the Complex Organizations Session of the Pacific Sociological Association, Sacramento: April.
- Mileti, Dennis S., and David F. Gillespie. 1977. "Organizational Manipulation and Adaptation to Complex Environments," paper presented to the Complex Organizations Session of the Midwest Sociological Society, Minneapolis: April.
- Gillespie, David F., Dennis S. Mileti and J. Eugene Haas. 1976. "Size and Structure in Complex Organizations," paper presented to the Organizational Change Session of the American Sociological Association, New York City: August.
- Mileti, Dennis S. 1976. "Learning Theory and Disaster Warning Response," paper presented to the Issues in Environmental Analysis Session to the American Sociological Association, New York City: August.
- Haas, J. Eugene, and Dennis S. Mileti. 1976. "Consequences of Earthquake Prediction on Other Adjustments to Earthquakes," paper presented to the Australian Academy of Science, Canberra: May.
- Mileti, Dennis S., and J. Eugene Haas. 1976. "A Methodology for Future Collective Events," paper presented to the Collective Behavior Session of the Midwest Sociological Society, St. Louis: April.
- Gillespie, David F., and Dennis S. Mileti. 1976. "Operations Technology and Organizational Structure," paper presented to the Formal Organizations Session of the Midwest Sociological Society, St. Louis: April.
- Haas, J. Eugene, and Dennis S. Mileti. 1976. "Social and Economic Consequences of Earthquake Prediction," paper presented to the Social Risk Session of the American Association for the Advancement of Science, Boston: February.
- Mileti, Dennis S., and David F. Gillespie. 1975. "Technological Uncertainty in Organization-Environment Relations," paper presented to the Organizations Session of the American Sociological Association, San Francisco: August.
- Mileti, Dennis S., and David F. Gillespie. 1975, "A Resolution of Inconsistencies Between Size, Complexity and the Administrative Component in Organizations," paper presented to the Formal Organizations Session of the Midwest Sociological Society, Chicago: April.
- Mileti, Dennis S., and David F. Gillespie. 1975. "Technology and the Study of Organizations," paper presented to the Formal Organizations Session of the Pacific Sociological Association, Victoria: April.

- Mileti, Dennis S., and David F. Gillespie. 1975. "A Model for Organization Environment Relations," paper presented to the Interorganizational Relations Session of the Midwest Sociological Society, Omaha: April.
- Mileti, Dennis S., and David F. Gillespie. 1974. "A Formalization of Organization-Environment Interdependencies," paper presented to the Formal Organizations Session of the Pacific Sociological Association, San Jose: March.
- Farhar, Barbara, and Dennis S. Mileti. 1974. "Value and Role Issues for the Involved Social Scientist," paper presented to the Applied Session of the Pacific Sociological Association, San Jose: March.
- Mileti, Dennis S. 1973. "Drowning: A Communications Disease," paper presented to the Mass Communications and Public Opinion Session of the American Sociological Association, New York City: August.
- Mileti, Dennis S., and Sigmund Krane. 1973 "Response to Impending System Stress," paper presented to the What Do We Know Session on Disaster of the American Sociological Association, New York City: August.
- Mileti, Dennis S. 1973. "A Paradigm and Sociology of Knowledge for Theories of Natural Law," paper presented to the Theory Session of the Midwest Sociological Society, Milwaukee: April.
- Mileti, Dennis S. 1972. "Response to Hazards Warnings," paper presented to the Organizational and Community Response to Disaster Seminar at the Disaster Research Center of the Ohio State University, Columbus: July.

### **SPEECHES**

- "Dam and Levee Emergency Planning: Lessons from the 2017 Oroville Event & Beyond," Global Webinar: January 22, 2021.
- "Our Quake and How to Prepare in the Coachella Valley," with Ken Eklund, Marrakesh Homeowner's Association, Palm Desert, CA: March 21, 2020.
- "Surviving the Big One," with Ken Eklund, Mission Hills Emergency Preparedness Task Force, Homeowner's Association, Rancho Mirage, CA: March 21, 2020.
- "Staying Safe Where the Earth Shakes," Rancho Casa Blanca Emergency Preparedness Meeting, Indio, CA: January 20, 2020.
- "Our Quake and How to Prepare in the Coachella Valley," The Springs Country Club HOA Emergency Preparedness Meeting, Rancho Mirage, CA: April 15, 2019.

“Modernizing Public Warning Messaging,” Public Affairs Quarterly Coordination Meeting. Chemical Stockpile Emergency Preparedness Program, Colorado Division of Homeland Security & Emergency Management, Centennial, CO April 2, 2019.

“Modernizing Public Warning Messaging,” Keynote Address, Annual Meeting of the National Tsunami Hazard Mitigation Program, National Oceanic & Atmospheric Administration, in cooperation with the California Governor’s Office of Emergency Services Earthquake & Tsunami Program, San Diego, CA: January 30, 2019.

“Our Quake and How to Prepare in the Coachella Valley,” Palm Desert Greens Country Club HOA, Palm Desert, CA: January 17, 2019.

“Coachella Valley Earthquake Threat and What to Do About It,” Keynote Address, Sun City Emergency Preparedness Meeting, Palm Desert, CA: October 18, 2018.

“Increasing Public Preparedness,” Keynote Address, Deseret News Utah Preparedness Conference, Sandy, UT: September 29, 2018.

“Modernizing Public Warning Messaging,” Deseret News Utah Preparedness Conference, Sandy, UT: September 29, 2018.

“Modernizing Public Warning Messages,” Keynote Address, BICEPP Annual Emergency Preparedness Conference, Van Nuys, CA: September 20, 2018.

“Public Warning and Response During the Oroville Dam Event,” Department of Emergency Management, Jacksonville State University, Jacksonville, AL: August 13, 2018.

“The First 7 Days After the Quake,” Ironwood Homeowner’s Association, Palm Desert, CA: March 15, 2018.

“Modernizing Public Warning Messages,” PrepTalks, Sponsored by the Federal Emergency Management Agency, the International Association of Emergency Managers, the National Emergency Management Association, the National Homeland Security Consortium, and the Naval Postgraduate School Center for Homeland Security, Washington, D.C., George Washington University: January 29, 2018.

“The First 7 Days After the Quake,” Marrakesh Homeowner’s Association, Palm Desert, CA: January 13, 2018.

“How to Prepare for Earthquakes like an Expert,” Tamarisk Country Club, Rancho Mirage, CA: January 10, 2018.

“The First 7 Days After the Quake,” Bermuda Dunes Country Club Homeowner’s Association, Bermuda Dunes, CA: November 9 and 14, 2017.

“Prepare for an Earthquake Like an Expert,” Sunnylands Speaker Series at the Library, Rancho Mirage, CA: October 13, 2018.

“Modernizing Public Alerts and Warnings,” FEMA National Advisory Council (NAC) Integrated Public Alert and Warning System (IPAWS) Subcommittee, Washington, D.C., October 5, 2017.

“The First 7 Days After the Quake,” 30<sup>th</sup> Anniversary Event of the Whittier Narrows Earthquake, Whittier Historical Society, Whittier, CA: September 30, 2017.

“Reducing Delay in Public Warnings,” Keynote Address, 8<sup>th</sup> Conference of the International Society for Integrated Disaster Risk Management, Reykjavik, Iceland, August 25, 2017.

“Public Alerts and Warnings for Dam and Levee Emergencies,” Recent Research and Projects Session, 42<sup>nd</sup> Annual Natural Hazards Center Workshop, Broomfield, CO: July 12, 2017.

“Floodplain Management and Community Resilience in a World with Changing Contextual Factors,” Larry A. Larson Speaker Series, Association of State Floodplain Managers, Boulder, CO: July 9, 2017.

“Modeling Warning Human Behavior,” Stanford University Dam Risk and Community Resiliency Symposium, Palo Alto, CA: May 24, 2017.

“Coachella Valley Earthquake Threat,” La Quinta Rotary Club, La Quinta, CA: May 5, 2017.

“Coachella Valley Earthquake Threat,” Rotary Club of Indian Wells, Indian Wells, CA: May 5, 2017.

“What Keeps People from Preparing for Earthquakes,” QuakeSmart Business Preparedness Workshop, Rancho Mirage, CA: April 18, 2017.

“Assessment of Natural Hazards,” IGERT Program on the Environment, University of Massachusetts Boston, Boston, MA: April 12, 2017.

“The First 7 Days After the Quake,” Desert Horizons Homeowner’s Association Meeting, Indian Wells, CA: April 6, 2017.

“Locked, Loaded and Ready to Roll,” Emergency Preparedness Forum, Rancho Mirage, CA: March 29, 2017.

“The First 7 Days After the Quake,” Trilogy Homeowner’s Association Meeting, Indio, CA: March 14, 2017.

“The First 7 Days After the Quake,” Coachella Valley Emergency Response Group at Heritage Palms Homeowner’s Association, Indio CA: December 13, 2016.

“The First 7 Days After the Quake,” Sun City Homeowner’s Association Meeting, Palm Desert, CA: October 20, 2016.

“The First 7 Days After the Quake,” The Great California Shake Out, Sunnylands Center and Gardens, Rancho Mirage, CA: October 20, 2016.

“Public Warning Models: Issuance, Diffusion and Protective Action Initiation for Dam and Levee Emergencies,” NIST International Workshop on Modeling of Physical, Economic, and Social Systems for Resilience Assessment, Washington, D.C.: October 19, 2016.

“Communication Research Findings on Earthquake Forecasts,” Operational Earthquake Forecasting Workshop, Sponsored by the National Steering Committee for Earthquake Preparedness and the University of Haifa, Haifa, Israel: June 21, 2016.

“Coachella Valley Earthquake Threat and What to Do About It,” Desert Hospitality Accountant Association, Rancho Mirage, CA: April 26, 2016.

“The First 7 Days After the Quake,” Desert Horizons Emergency Preparedness Meeting, Indian Wells, CA: March 30, 2016.

“After the Big One: Seven Days of Survival,” Emergency Preparedness Forum, Rancho Mirage, CA: March 2, 2016.

“Human Behavior and Public Warnings: State of the Art in the Social Sciences,” Public Warning & Community Preparedness Workshop, Olathe, Johnson County, KS: February 25, 2016.

“Increasing Public Preparedness: Research Findings & Evidence-based Recommendations for Practice,” Public Warning & Community Preparedness Workshop, Olathe, Johnson County, KS: February 25, 2016.

“The First 7 Days After a Quake,” Mission Hills Emergency Preparedness Task Force: Rancho Mirage, CA: January 22, 2016.

“Coachella Valley Earthquake Threat and What to Do About It,” Desert Resort Management and Desert Island Community Association, Rancho Mirage, CA: December 10, 2015.

“After the Big One: What to Expect the First Seven Days After,” Desert Association of Realtors, Palm Desert, CA: November 20, 2015.

“Timing of Public Warnings: Issuance, Diffusion, and Protective Action Initiation for Dam Breaches, Controlled Dam Releases, and Levee Breaches or Overtopping,” U.S. Army Corps of Engineers Risk Management Center, Denver, CO: August 5, 2015.

“After the Quake,” City of Rancho Mirage Emergency Preparedness Forum, Rancho Mirage, CA: March 29, 2015.

“Everything You Need to Know about Public Alert/Warning Delay and What to Do about It,” University of Southern California, Los Angeles, CA: January 28, 2015.

“History of Research on Communication Across the Disaster Lifecycle, Opening Keynote Address, Disaster Communication Redesigned Workshop, University of Kentucky, Lexington, KY: November 10, 2014

“The Structure and Content of Effective Risk Messages Communicated to the Public,” Session on Decision-making Process and Risk Communication, Workshop o Operational Earthquake Forecasting, Varenna, Italy: June 9, 2014.

“Disaster Consequences and Why They Will Continue to Rise,” Keynote Address, Annual Conference on Catastrophe Modeling by the Reinsurance Association of America, Orlando, FL: February 11, 2014.

“Shifting Character and Context of Emergency Management,” Keynote Address, 61<sup>st</sup> Annual Conference of the International Association of Emergency Managers, Reno, NV: October 29, 2013.

“Social Media Alerting,” 61<sup>st</sup> Annual Conference of the International Association of Emergency Managers, Reno, NV: October 29, 2013.

“Changes in Latitudes, Changes in Attitudes: Katrina to Sandy,” Opening Keynote Address, Emergency Public Health and Disasters Conference, Torrance, CA: May 20, 2013.

“Coachella Valley Earthquake Risk and What to Do About It,” Rancho Mirage Emergency Preparedness Forum, Rancho Mirage, CA: March 5, 2013.

“Why Things Continue to Get Worse,” Keynote Address, 25<sup>th</sup> Annual Emergency Preparedness Conference, Vancouver, Canada: November 6, 2012.

“Human Response to Warnings,” Keynote Address, 52<sup>nd</sup> Annual Meeting of the Association of Minnesota Emergency Managers, Breezy Point, MN: September 18, 2012.

“Public Preparedness Messaging,” Awareness to Action: A Workshop on Motivating the Public to Prepare, Sponsored by the American Red Cross and the Federal Emergency Management Agency, Washington, D.C.: June 27, 2012

“Why Disaster Losses Continue to Increase and What to Do About It,” Keynote Address, 22<sup>nd</sup> Annual World Conference on Disaster Management: Toronto, Canada: June 25, 2012.

“Alerting Populations about Emergencies,” Keynote Address, Annual Meeting of the Emergency Management Issues Special Interest Group, Department of Energy: Seattle, WA: May 16, 2012.



“Public Warnings: Highlights of Repetitive Findings from the Social Science Research Record,” Workshop on Public Response to Alerts & Warnings via Social Media, National Research Council of the National Academies: Irvine, CA: February 28, 2012.

“Contributions of Social Science to Coastal Hazards Management,” Keynote Address, Social Coast Forum, NOAA Coastal Service Center, Charleston, SC: February 15, 2012.

“Communicating with First Responders,” Near Earth Objects Media Risk Communication Workshop, Secure World Foundation, Boulder, CO: November 14, 2011.

“Natural Hazards Mitigation”, Plenary Session, Meeting of the Natural Hazards Mitigation Association, Boulder, CO: July 13, 2011.

“Disaster Resilience,” Meeting of the Committee on Increasing National Resilience to Hazards and Disasters, National Research Council of the National Academies, Washington, D.C.: July 6, 2011.

“Public Preparedness: What Really Motivates People,” Conference on Advancing U.S. Resilience to a Nuclear Catastrophe, Center for Bio-security of the University of Pittsburgh Medical Center, Washington, D.C.: May 19, 2011.

“Increasing Public Preparedness: Research Findings and Evidence-based Recommendations for Practice,” Meeting of the National Advisory Council of the Federal Emergency Management Agency, Los Angeles, CA: May 11, 2011.

“Principles of Effective Public Risk Communication,” Committee on Integrating Dam and Levee Safety and Community Resilience, National Research Council of the National Academies, Irvine, CA: May 5, 2011.

“Warning Messaging: Research Findings and Applications from Social Science,” National Weather Service Western Region Coordination Meteorologists Workshop, West Coast/Alaska Tsunami Warning Center, Anchorage, AK: April 21, 2011.

“Increasing Public Preparedness for Disasters,” University Speakers Series on Hazards, Risks, and Disasters, University of South Carolina, Columbia, SC: March 24, 2011.

“Getting You Questions Answered about Earthquakes in Southern California,” City of Rancho Mirage Emergency Preparedness Forum, Rancho Mirage, CA: March 1, 2011.

“Lessons from Katrina: What a Major Flood Can do to Your Community,” Keynote Address, ARK Storm Summit, Sacramento, CA: January 13, 2011.

“Social Media and Public Warnings,” Keynote Address, Shared Strategies for Homeland Security Conference, Denver UASI, Denver, CO: December 15, 2010.

“Motivating Public Preparedness Behavior,” Plenary Session, Climate Change and Health Workshop, University of Porto, Porto, Portugal: November 19, 2010.

“Increasing the Environmental Risk Actions of Others,” Pardee Session, Annual Meeting of the Geological Society of America, Denver, CO: October 31, 2010.

“Increasing Public Preparedness for Floods,” Luncheon Presentation, Annual Meeting of the National Association of Flood and Stormwater Management Agencies, San Diego, CA: August 25, 2010.

“Elements of a Holistic Approach to Engineered Flood Control and Protection Works,” Session on Design through Decay and Beyond: Infrastructure Life Cycle Responsibilities, 35<sup>th</sup> Annual Natural Hazards Workshop, Broomfield, CO: July 12, 2010.

“Earthquake Early Warnings: Messaging Attributes from the Social Sciences,” Plenary Session, Meeting of the Western States Seismic Policy Council, Broomfield, CO: July 10, 2010.

“Emergency Management Issues for a Near Earth Objects Warning System,” NASA Advisory Council Ad-Hoc Task Force Meeting on Planetary Defense, Boulder, CO: July 8, 2010.

“Influencing the Behavior of Individuals to Prepare for and Mitigate Flood Risk,” Keynote Speech, 34<sup>th</sup> Annual National Conference of the Association of State Floodplain Managers, Oklahoma City, OK: May 18, 2010.

“Warning Messaging: Research Findings and Applications from Social Science,” National Weather Service Western Region Coordination Meteorologists Workshop, West Coast/Alaska Tsunami Warning Center, Anchorage, AK: April 29, 2010.

“Increasing Household Preparedness for Floods,” Plenary Session, National Flood Conference, Federal Emergency Management Agency, San Diego, CA: April 13, 2010.

“Motivating Households to Prepare and Mitigate for Disasters,” Plenary Session, 1<sup>st</sup> Executive Emergency Management Officer Symposium, Emergency Management Institute, Federal Emergency Management Institute, Emmitsburg, MD: April 6, 2010.

“The Emerging Role of Social Media in Managing Incidents at Nuclear Power Plants,” Plenary Session, 20<sup>th</sup> Annual National Radiological Emergency Preparedness Conference, Chicago, IL: March 26, 2010.

“Evidence-based Public Emergency Messaging,” 20<sup>th</sup> Annual National Radiological Emergency Preparedness Conference, Chicago, IL: March 26, 2010.

“Evidence-based Public Warning Messages,” Integrated Warning Workshop, Mid-America Regional Council, National Weather Service, Kansas City, MO: March 26, 2010.

“Earthquake Risk and Preparedness,” City of Rancho Mirage Emergency Preparedness Forum, Rancho Mirage, CA: March 2, 2010.

“Behavior Factors and How to Effect Change in Flood Mitigation,” Assembly of the Gilbert F. White National Flood Policy Forum: Managing Risk to Humans and to Floodplain Resources, Washington, D.C.: March 9, 2010.

“Transformation of Social Order in Disasters,” Workshop on Risk Perception and Risk-related Behaviors: Anticipating and Responding to Crisis, CREATE Center, University of Southern California, Los Angeles, CA: March 6, 2010.

“Emergency Warning Messaging: Findings from the Social and Behavioral Sciences and Applications for Practice,” Workshop for Public Information Officers from the City and County of Los Angeles, Los Angeles, CA: March 5, 2010.

“Resident Preparedness Actions for Earthquakes and the Factors that Influence Action-taking,” Town Hall Meeting, La Quinta, CA: January 27, 2010.

“Disaster Warning Messaging and Public Response,” Annual Instructor Meeting, National Center for Biomedical Research and Training, Louisiana State University, Baton Rouge, LA: November 18, 2009.

“The Fundamental Basis for the Persistence of Myths about Public Behavior in Disasters,” Lacy E. Suiter Policy Forum, Naval Postgraduate School Center for Homeland Defense and Security, Monterey, CA: November 9, 2009.

“Warning Messaging: Research Findings and Applications from Social Science,” National Weather Service Western Region Coordination Meteorologists Workshop, West Coast/Alaska Tsunami Warning Center, Anchorage, AK: November 5, 2009.

“Increasing Public Readiness for Flood Disasters,” Flood Risk Perception, Communication, and Behavior Symposium, Association of State Floodplain Management, Washington, D.C.: November 5, 2009.

“The Disaster Research Landscape: Obstacles to Effective Scientific/Practitioner Relations,” Pardee Keynote Symposium: Preventing Disaster and Building Resilience on the Ring of Fire, Geological Society of America: Portland, OR: October 19, 2009.

“Principles for Effective Public Warnings,” Keynote Speech, Workshop on Public Warning, Meeting of the International Standard Organization, Sponsored by the Japanese Industrial Standards Committee, Tokyo: September 8, 2009.

“Public Warning System Design and Warning Messages, Plenary Session, Local Emergency Planning Committee/Tribal Emergency Response Commission Emergency Planning and Response Conference, Kansas City, MO: August 7, 2009.

“The Public Warning Challenges of Web 2.0 in the Practice of Homeland Security,” Plenary Session, Ogma Workshop, Center for Homeland Defense and Security, Naval Post Graduate School, Monterey, CA: June 30, 2009.

“Public Communication for Volcanoes: Preparedness, Warnings, Warning Delivery Systems, and Public Response Processes,” Emergency Messaging & Preparedness Workshop, International Republican Institute, Pasto, Colombia, S.A., June 17, 2009.

“Increasing Public Readiness for Disasters,” Task Force on Public Education Regarding Levees, American Society of Civil Engineers, Reston, VA: June 5, 2009.

“Conference Synthesis and Wrap-up: Future Directions in Higher Education for Emergency Managers,” 12<sup>th</sup> Annual Conference on Higher Education, Emergency Management Institute, Federal Emergency Management Agency, Emmitsburg, MD: June 4, 2009.

“Increasing Public Readiness for Disasters,” Department of Urban Planning and Design, California Polytechnic State University, San Luis Obispo, CA: May 26, 2009.

“Increasing Public Readiness for Disasters,” Bay Area Earthquake Alliance Meeting, San Jose, CA: May 21, 2009.

“Warning Messaging: Research Findings and Applications from Social Science,” National Weather Service Western Region Coordination Meteorologists Workshop, West Coast/Alaska Tsunami Warning Center, Anchorage, AK: May 20, 2009.

“Public Response to Terrorism: Findings from the National Survey of Disaster Experiences and Preparedness,” National Bio-defense Science Board, Personal Preparedness Working Group, Washington, D.C.: May 5, 2009.

“The Link between Hazards Research and Applications for Practice,” Emergency Preparedness Program, Royal Roads University, Victoria, British Columbia, Canada: April 29, 2009.

“Human Response to Warnings in Business Buildings,” Keynote Address, Annual Meeting of the Emergency Preparedness for Industry and Commerce Council, Vancouver, British Columbia, Canada: April 29, 2009.

“How People React to Communicated Risk,” Meeting on the Magic of Marketing and Media, National Association of Government Communicators, Orlando, FL: April 22, 2009.

“The Science of Risk Communication,” Blister Agent Communication Workshop, U.S. Environmental Protection Agency, New York City: March 30, 2009.

“The Day After: What to Do to Prepare for Disaster,” Meeting of the Joint Chambers of Commerce in the Coachella Valley, Rancho Mirage, CA: March 4, 2009.

“Be Prepared and Survive: What Should We Do to Get Ready,” Emergency Preparedness Town Hall Meeting, Rancho Mirage, CA: March 3, 2009.

“Increasing Public Readiness for Disasters,” California Readiness Advisory Group, San Francisco, CA: March 3, 2009.

“Warning Systems and Public Response,” Mass Notification Messages Workshop, National Institute of Standards and Technology, Gaithersburg, MD, February 19, 2009.

“Increasing Public Readiness for Disasters,” California Emergency Management Agency, Public Preparedness Working Group, Sacramento, CA: January 30, 2009.

“The Future of Warning Systems in the U.S.,” Governor’s Office of Emergency Services, Alert and Warning Working Group, Sacramento, CA: December 5, 2008.

“Root Causes of the Levee Failures during Hurricane Katrina in New Orleans,” Plenary Presentation to the Ethic in Catastrophic Events Conference, American Council of Engineering Companies of Colorado, Denver, CO: December 4, 2008.

“Communicating a Message of Preparedness,” Plenary Presentation to the International Earthquake Conference on Policy, Planning, and Preparedness, Los Angeles, CA: November 14, 2008

“The Sociology of Personal Preparedness: Pandemic Influenza and its Impact on Responders,” Plenary Presentation to the Continental Divide Disaster Behavioral Health Conference, Colorado Springs, CO: July 10, 2008.

“Changing People’s Readiness Behavior: Public Education Research Findings and Evidence Based Applications for Practice,” Plenary Presentation to the 18<sup>th</sup> World Conference on Disaster Management, Toronto, Canada: June 18, 2008.

“Changing People’s Readiness Behavior,” Plenary Session, Higher Education Conference, Emergency Management Institute, Federal Emergency Management Agency, Emmitsburg, MD: June 3, 2008.

“Public Warnings and Response: Research Findings and Evidence Based Applications for Practice,” Higher Education Conference, Emergency Management Institute, Federal Emergency Management Agency, Emmitsburg, MD: June 3, 2008.

“What Does the Science Say?” Plenary Presentation to The Science of Communications: Connecting Researchers and Practitioners Workshop for Risk and Crisis Communicators, National Association of Government Communicators, Washington, D.C.: June 2, 2008.

“Root Causes of Resilience,” Plenary Presentation to the National Earthquake Conference, Seattle, WA: April 23, 2008.

“Occupant Evacuation,” Plenary Presentation to the Rethinking Egress Workshop Sponsored by the National Institute of Standards and Technology, Warrenton, VA: April 1, 2008.

“Levee Failures in New Orleans: Root Causes, Solutions and Implications,” Sparks Forum Lecture, Georgia Institute of Technology, Atlanta, GA: March 25, 2008.

“Disasters and Other Social Problems,” Caltrans Response and Recovery Conference, San Diego, CA: March 3, 2008 and Sacramento, CA: March 10, 2008.

“Lessons in Earthquake Reconstruction Planning,” Rancho Mirage Earthquake Preparedness Town Hall Meeting, Rancho Mirage, CA: March 5, 2008.

“Risk Communications and Public Warnings,” Homeland Security Science and Technology Stakeholder’s Conference West, Department of Homeland Security, Los Angeles, CA: January 14, 2008.

“Affecting Behavior Change around Disaster Preparedness,” Luncheon Speech, 2<sup>nd</sup> Annual Fritz Institute Conference on Building a Community of Preparedness, San Francisco, CA: December 6, 2007.

“Levee Failures in New Orleans: Causes and Solutions,” Lifecycle Geo-engineering: Thinking Beyond Construction of Critical Facilities Workshop, Committee on Geological and Geotechnical Engineering, National Research Council of the National Academies, Irvine, CA: November 28, 2007.

“Public Education for Household Disaster Readiness,” Luncheon Speech, 55<sup>th</sup> Annual Conference of the International Association of Emergency Managers, Reno, NV: November 12, 2007.

“Essential Elements of Researcher/Practitioner Partnerships for Disaster Resilient Communities,” Keynote Address, 4<sup>th</sup> Annual Canadian Risk and Hazards Network Symposium, Richmond, British Columbia, Canada: November 6, 2007.

“Socio-economic Impacts of Disasters on Communities: Examples from Hurricane Katrina,” Keynote Address, Second Annual National Emergency Preparedness Conference, Sacramento, CA: October 12, 2007.

“Risk Communication and Warnings for Catastrophic Events,” Keynote Address, 2007 Region VII Local Emergency Planning Committee/Tribal Emergency Response Commission, U.S. Environmental Protection Agency, Kansas City, MO: August 17, 2007.

“Organizational Preparedness for Public Warnings,” Session on Knowledge Summary of Available Modern Warning Technologies, Department of Homeland Security Conference on Risk Perception and Communication, Cambridge, MD: July 24, 2007.

“A Perspective on Multi-Hazard Research and Related Activities,” Disasters Roundtable 20: Creating and Using Multi-Hazards Knowledge and Strategies, The National Academies, Washington, D.C.: June 28, 2007.

“Public Education and Information to Enhance Household Readiness for Earthquakes,” Joint Meeting of the Fritz Institute and California Volunteers, Sebasterpol, CA: June 15, 2007.

“Natural Hazards, Sustainable Development, and Citizen Involvement,” Workshop on Natural Risks, Faculty of Letters, University of Porto, Portugal: May 4, 2007.

“Communicating Emergency Public Information,” Keynote Address, 17<sup>th</sup> Annual Radiological Emergency Preparedness Conference, Newport Beach, CA: April 30, 2007.

“Emergency Management Policy Needs for Mega-disasters,” Keynote Address, Partners in Emergency Preparedness Conference 2007, Tacoma, WA: April 11, 2007.

“Readiness Actions for a Great Southern California Earthquake,” Luncheon Speaker, Meeting of the Committee of Twenty-Five, Palm Springs, CA: April 3, 2007.

“What Would Our Katrina Look Like, and How to Prepare for It?” Keynote Speech, 5<sup>th</sup> Annual Emergency Preparedness Town Hall Meeting, Rancho Mirage, CA: March 21, 2007.

“Public Warnings for Protective Action,” Session of Risk Perception and Communication, First Annual Department of Homeland Security University Network Summit on Research and Education, Washington, D.C.: March 16, 2007.

“Our Pending Katrina: Earthquake Risk and Preparedness in Southern California,” City of Rancho Mirage Emergency Preparedness Town Hall Forum, Rancho Mirage, CA: March 22, 2007.

“Katrina and Sustainable Hazard Mitigation,” Keynote Address, 12<sup>th</sup> Annual Emergency Preparedness for Industry and Commerce Council, Vancouver, British Columbia, Canada: February 20, 2007.

“First Responder’s in Disasters,” Keynote Presentation to the 35<sup>th</sup> Annual Public Safety Awards, Chamber of Commerce, City of Huntington Beach, CA: October 26, 2006.

“Mega-quake Policy and Action Needs: Lessons from Katrina,” Speech Presented to the California Department of Transportation Response and Recovery Conference, Diamond Bar, CA: October 11, 2006.

“Societal Aspects of Katrina and Reconstruction in New Orleans,” Speech presented to the Rebuilding the New Orleans Region: Infrastructure Systems and Technology Innovation Forum, United Engineering Foundation, New Orleans. LA: September 26, 2006.

“Natural Hazards Management in the 21<sup>st</sup> Century,” Keynote Presentation, 7<sup>th</sup> New Zealand Natural Hazards Management Conference, Christchurch, New Zealand: August 23, 2006.

“Getting Ready for Major Catastrophic Events,” Plenary Session, Utah Public Officials Conference on Preparedness, Park City, UT: August 17, 2006

“Promoting Risk Wise Behavior,” Plenary Session on Grand Challenges for Disaster Reduction, 31<sup>st</sup> Annual Natural Hazards Workshop, Boulder, CO: July 11, 2006.

“Using the Public as a Resource in Emergencies,” Keynote Presentation, 2006 California Nuclear Power Preparedness Annual Meeting, Dana Point, CA: April 21, 2006.

“Communicating about Natural Hazards: The State-of-the-Art,” Dinner Address, 2006 ANAVCO Science Workshop, Denver, CO: March 15, 2006.

“What We Should All Know About Disasters,” University Lecture, Office of the Vice President for Academic Affairs, University Honors Program and Faculty Development Center, California State University, Fullerton, CA: February 22, 2006.

“Bringing Socio-economic Benefits to the Public through Effective Multi-hazards Warnings,” International Session, 86<sup>th</sup> Annual Meeting of the American Meteorological Society, Atlanta, GA: February 2, 2006.

“Causal Model Analyses of Evacuation Time Delay in World Trade Center Towers 1 and 2,” Technical Conference on the Federal Building and Fire Safety Investigation of the World Trade Center (WTC) Disaster, National Institute of Standards and Technology (NIST), Gaithersburg, MD: September 13, 2005.

“A Global Perspective on Disaster Response,” Keynote Address, 1<sup>st</sup> Annual Disaster Ready Conference for Orange County, Garden Grove, CA: August 25, 2005.

“The Future of U.S. Emergency Management,” 8<sup>th</sup> Emergency Management Higher Education Conference, Session on Future of Emergency Management and Homeland Security, Emmitsburg, MD: June 8, 2005.

“Disaster Mitigation and Sustainable Development,” Keynote Address, Best Practices in Risk Reduction for Colleges and Universities Symposium, University of Washington, Office of Emergency Management, Seattle, WA: January 28, 2005.

“Current Warning Response Research,” Luncheon Keynote Address, 2004 Nuclear Regulatory Region I Joint Exercise Conference, Albany, NY: December 2, 2004.

“Maintaining Trust and Credibility,” Nuclear Energy Institute Communications Forum, Chicago, IL: November 18, 2004.



“Research and Policy Needs for People with Disabilities in Evacuations,” Conference on Emergency Evacuation of People with Disabilities from Buildings,” Interagency Committee on Disability Research, Rockville, MD: October 14, 2004.

“The Social Construction of Flood Areas,” Opening Address, 1<sup>st</sup> Annual Gilbert F. White National Flood Policy Forum, Reducing Flood Losses: Is the 1% Chance Flood Standard Sufficient, ASFPM Foundation, Washington, D.C.: September 21, 2004.

“Natural Hazards Mitigation and Sustainable Development,” Keynote Address, Annual National Conference on Natural Hazards, Tauranga, New Zealand: August 11, 2004.

“Behavior of the Public and Emergency Responders During an Emergency,” 22<sup>nd</sup> Annual Decision Maker’s Symposium, San Onofre Nuclear Generating Station, Southern California Edison, San Onofre, CA: July 21, 2004.

“Emergency Management in the 21<sup>st</sup> Century,” Keynote Address, 14<sup>th</sup> World Conference on Disaster Management, The Changing Face of Disaster Management-Are We Really Prepared? Toronto, Canada: June 23, 2004.

“Public Behavior in Response to Warning Information,” Workshop on Building Occupant Movement During Fire Emergencies, Session on Building Egress Strategies, National Institute of Standards and Technology, Gaithersburg, MD: June 10, 2004.

“The Evolution of Emergency Management,” Governor’s 37<sup>th</sup> Annual Conference on Emergency Management and Homeland Security,” Appleton, WI: March 31, 2004.

“Key Disaster Research and Its Significance in Disaster Ministry,” Do No Harm Forum on Domestic Disaster Ministry, Church World Service Emergency Response Program, Princeton, NJ: March 28, 2004.

“Risk Perception, Risk Communication, and Public Response to Emergencies: What Really Happens,” Meeting on Transportation of Radioactive Waste, Board on Radioactive Waste Management, the National Academies, Chicago, IL: February 2, 2004.

“Socio-Economic Impacts of Hazards and Disasters,” Plenary Session, 30<sup>th</sup> International Symposium on Remote Sensing of Environment, Information for Risk Management and Sustainable Development, Honolulu, HI: November 11, 2003.

“Societal Impacts of September 11<sup>th</sup>,” Graduate School Fall Symposium on Terror versus Freedom: Can Homeland Security Co-Exist with Civil Liberties?, University of Colorado at Boulder, October 8, 2003.

“Disasters by Design,” Luncheon Keynote Speech, Minnesota Flood Summit, Federal Emergency Management Agency, Bloomington, MN: August 27, 2003.

“Societal Impact of Wind Storms,” Keynote Speech, Eleventh International Conference on Wind Engineering, Lubbock, TX: June 3, 2003.

“Disasters by Design,” National Academy of Engineering, Regional Meeting on Tall Buildings: Are they Safe Enough, Boulder, CO: April 10, 2003.

“Disasters by Design,” Keynote Luncheon Speech presented to the 4<sup>th</sup> Annual Building Disaster Resilient Communities Symposium, Institute for Catastrophic Loss Reduction, Toronto, Canada: November 6, 2002.

“Risk Communication: Lessons from Research,” Alerting America: Effective Risk Communication, A Natural Disaster Roundtable Forum, National Academy of Sciences. Washington, D.C.: October 31, 2002.

“Changes in Emergency Management,” Keynote Speech, Annual Meeting of the California Emergency Management Association. Palm Springs, CA: October 9, 2002.

“Natural Hazards and Sustainable Development,” Keynote Speech, Annual Meeting of the Kansas Emergency Management Association. Manhattan, KS: September 18, 2002.

“Risk as a Context for Social Policy Development,” Annual Meeting of the Western States Seismic Policy Council. Denver, CO: September 15, 2002.

“The Future of Earthquake Engineering: A Social Science Perspective,” 47<sup>th</sup> Annual Meeting of the Earthquake Engineering Research Institute. Long Beach, CA: February 2, 2002.

“Disasters by Design,” Distinguished Lecture, The Carolyn and Edward Wenk, Jr. Lecture in Technology and Public Policy, Writing School of Engineering, The Johns Hopkins University. Baltimore, MD: April 19, 2002.

“The Importance of Successful Risk Communication in Activating Sustainable Earthquake Loss Reduction Efforts,” Western States Seismic Safety Policy Council Annual Meeting, Leadership Awards Speech. Sacramento, CA: October 22, 2001.

“Linking Hazards Mitigation with Sustainable Development,” 14<sup>th</sup> Annual Emergency Preparedness Conference: How to Protect the Future.” Vancouver, British Columbia: October 18, 2001.

“Hazard Mitigation,” Keynote Address, Annual Meeting of the California Wildfire Conference: Ten Years after the 1991 East Bay Hills Fire. Oakland, CA: October 10, 2001.

“Shifting the Hazards Mitigation Paradigm,” Speech presented to the Workshop on Earth Systems Engineering Solutions in a Complex Natural World, University of Colorado Engineering Center and the National Science Foundation. Boulder, CO: October 4, 2001.

“The Future of Hazards and Sustainable Development in the U. S.,” Keynote Address, Annual Meeting of the Colorado Association of Stormwater and Flood Plane Managers. Steamboat Springs, CO: September 5, 2001.

“Disasters by Design: Linking Hazards Mitigation to Sustainable Development,” Theme Keynote Lecture, 8<sup>th</sup> International Conference on Structural Safety and Reliability. Newport Beach, CA: June 21, 2001.

“The History of Emergency Management in the United States,” Emergency Planning Workshop for the Indian Point Stations Sponsored by Con Edison and Entergy Nuclear Northeast. White Plains, NY: June 28, 2001.

“Natural Hazards, Complexity, and Inter-Dependence: The Need for Interdisciplinary Education,” White House, Office of Science and Technology Policy Workshop on Critical Infrastructure: Needs in Interdisciplinary Research and Graduate Education. Washington, D.C. June 14, 2001.

“Disasters by Design,” Annual Seminar of the Emergency Preparedness Commission for the County and Cities of Los Angeles, Mitigation Makes a Difference: Saving Lives and Saving Money, Industry Hills, CA: May 2001.

“Natural Hazards, Disasters, and Sustainable Development,” Keynote Address, National Symposium on Mitigating Severe Weather Impacts and Design for Disaster Reduction, University of Oklahoma, Tulsa, OK: April 2001.

“Disasters by Design,” Distinguished Lecture, Distinguished Lecture Series, Texas A & M University, College Station, TX: March 2001.

“Risk Management and Natural Hazards,” Forum on a Safer America: Building Natural Hazards Resistant Communities through Risk Management and Assessment, Office of Science and Technology Policy, the White House: Washington, D.C.: February 2001.

“The Future of Earthquake Engineering and Sustainable Hazards Mitigation,” 54<sup>th</sup> Annual Meeting of the Earthquake Engineering Research Institute, Long Beach, CA: February 10, 2001.

“Public Interpretation and Response to Warnings of Weather Hazards,” National Weather Service Decision Making Workshop, Boulder, CO: January 2001.

“Disasters by Design: A Reassessment of Natural Hazards in the U.S.,” Keynote Address, Annual Meeting of the Ohio Emergency Management Association, Columbus, OH: December 2000.

“Natural Hazards and Sustainable Development,” Los Angeles County Operational Area Emergency Management Workshop, Santa Barbara, CA: December 2000.

“Southern California, A Leader in Seismic Policies and Emergency Response Planning: Is It Prepared Today?” Earthquake Engineering Research Institute Regional Seminar, Los Angeles, CA: December 2000.

“Disasters by Design: The Challenges of Mitigation for Sustainable Development”, Keynote Address, University of South Africa, International Conference on Hazards, Risks, and Disasters: International Perspectives, Centurion, South Africa: November, 2000.

“Natural Hazards and Sustainable Development,” Banquet Speech, The National Earthquake Risk Management Conference, Seattle, WA: September 2000.

“Assessment of Research and Applications on Natural Hazards,” Keynote Address, National Disaster Medical System Conference, U.S. Department of Veterans Affairs, Las Vegas, NV: May 2000.

“The Future of Earthquake Engineering: Integrating Earthquake Engineering into Environmental Management,” Annual Meeting of the Earthquake Engineering Research Institute, St. Louis, MO: June 2000.

“Disasters by Design: The Aftermath of Hurricane Floyd,” Conference on the Social, Physical, and Economic Impacts of Hurricane Floyd: Recovery in the Coastal Plain, East Carolina University, Greenville, NC: May 2000.

“Conclusions of the Second National Assessment of Risk in the U.S.,” Keynote Speech, International Workshop Seminar on Risk Management, National University of Colombia, San Andreas, Colombia, South America: February, 2000.

“Disasters by Design,” Keynote Speech, Annual Wyoming Emergency Management Conference, Laramie, WY: February 2000.

“Assessment of Natural Hazards in the U.S.,” Keynote Speech, Annual Conference on Hazards Mitigation, National Science Council, National Science and Technology Program for Hazards Mitigation, National Taiwan University, Taipei, Taiwan: January, 2000.

“Assessment of Natural Hazards in the U.S.,” State of the Planet Conference, Lamont-Doherty Earth Observatory, Columbia University, New York City, NY: November, 1999.

“Shifting Directions: Public Policy for Sustainable Hazard Mitigation,” with Shirley Mattingly, Conference on Hazards Mitigation, Manilla, The Philippines: November, 1999.

“Disasters by Design,” Audubon Society, Nebraska Environmental Trust, Department of Architecture, University of Nebraska, Lincoln, NE: November, 1999.

“Disasters by Design,” Annual Meeting of the Interagency Steering Committee of the Federal Emergency Management Agency, Region 8, Denver, CO: November, 1999.

“A Reassessment of Natural Hazards in the United States,” Durability and Disaster Mitigation in Wood Frame Housing Conference, Partnership in Advanced Technology in Housing and the Forest Products Society of Madison, WI: November, 1999.

“Sustainable Hazards Mitigation.” Regional Interagency Steering Committee for Hazards Mitigation, Federal Emergency Management Agency, Denver, CO: October, 1999.

“The State-of-the-Art in Public Education and Warnings.” Public Protection During Chemical Emergencies, National Institute for Chemical Studies, Concord, CA: October, 1999.

“Disasters by Design,” Keynote Address, Asia-Pacific Disaster Conference: Advances in Technology, Linking Technology with Operational Requirements, Center of Excellence in Disaster Management and Humanitarian Assistance and the U.S. Department of Defense, Kauai, HI: September, 1999.

“Implications of the Nation’s Second Assessment of Natural Hazards for the Emergency Management Community,” Annual Meeting of the Southern California Emergency Services Association, Palm Springs, CA: September, 1999.

“Sustainable Mitigation Approaches for Emergency Management,” Keynote Speech, Governor’s Annual Conference on Disaster and Emergency Preparedness: Emergency Management, The Challenge of the New Century, Salt Lake City, UT: September, 1999.

“Designing Future Disasters.” Keynote Address, Sixth Aon Re Australia Hazards Conference: The Changing Risk Landscape, Implications for Insurance Risk Management, Queensland, Australia: August, 1999.

“Integrating Hazards Management and Sustainable Development.” Keynote Speech, Australian Emergency Management Agency’s Annual State Workshop on Emergency Management, Melbourne, Australia: August, 1999.

“The Second Assessment of Natural Hazards: Implications for Disaster Public Education.” Keynote Address, Community and Family Preparedness Conference, Federal Emergency Management Agency, Berryville, VA: June 1999.

“Disasters by Design.” Keynote Address, National All-Hazards Mitigation Workshop, Federal Emergency Management Agency, Berryville, VA: June, 1999.

“Training for Sustainable Hazards Management.” Speech, National Training and Exercises Conference, Federal Emergency Management Institute, Federal Emergency Management Agency, Emmitsburg, MD: May, 1999.

“Designing Future Disasters: An Assessment and Bolder Course for the Nation.” Seminar Series on Hazards, U.S. Geological Survey, Reston, VA: February, 1999.

“Overview of the Approach, Methods, and Major Policy Recommendations of the Second Assessment of Natural Hazards.” Keynote Address, Subcommittee on Natural Disaster Reduction, Committee on the Environment, Office of Science and Technology Policy, The White House and the Institute for Business and Home Safety, Public Private Partnership Workshop Series, Natural Disaster Reduction: Challenges for the Next Century, The World Bank, Washington, D.C. January, 1999.

“Grassroots Mitigation,” Forum on Public and Private Partnerships White House Conference Series, Washington, D.C.: December, 1998.

“The Profession of Emergency Management,” Plenary Address, Annual Meeting of the National Coordinating Council on Emergency Management, Norfolk, VA: November, 1998.

“Are We Designing for Disaster?” Monthly Meeting of Plan Boulder County, University of Colorado, Boulder, CO: August, 1998.

“Human and Societal Impacts of a Catastrophic Asteroid or Comet Impact,” Graduate School Symposium on Earth Impacts: Major Collisions and Extinctions of Life, University of Colorado, Boulder, CO: August, 1998.

“Sustainable Hazards Mitigation in the Emergency Management Context,” Department of Internal Affairs, Wellington, New Zealand: June, 1998.

“Designing Future Disasters,” Keynote Address, Annual Meeting of the South Carolina Association for Hazards Mitigation, Myrtle Beach, SC: April, 1998.

“Emergency Managers and Sustainable Hazards Mitigation,” Annual Meeting of the Association of Engineering Geologists, Portland, OR: October, 1997.

“Social and Economic Considerations for Natural Hazards Insurance,” Forum on Public/ Private Partnerships White House Conference Series, Washington, D.C.: September, 1997.

“Natural Hazards Mitigation in the Next Century,” Keynote Address, 45<sup>th</sup> Annual Conference of the National Coordinating Council on Emergency Management, Phoenix, AZ: September, 1997.

“A Research Perspective on Natural Hazards Mitigation,” National Multihazard Mitigation Council, Denver, CO: September, 1997.

“Sustainable Earthquake Hazards Mitigation,” Keynote Address, 9<sup>th</sup> Annual Workshop of the IRIS Consortium, Breckenridge, CO: June, 1997.

“Important Changes Needed in Doctoral Education,” Convocation on the Future of Doctoral Education, University of Colorado, Boulder, CO: April, 1997.

“Sustainable Development and Hazards,” Workshop on Societal Weather Impacts, National Center for Atmospheric Research: Boulder, CO: April, 1997.

“The Societal Foundations of Disaster Resiliency,” Plenary Address, Southern California Earthquake Center’s Annual Conference, Los Angeles, CA: November, 1996.

“Hazards Mitigation in the Next Millennium,” Plenary Address, Conference on Exploring Options for Seismic Zonation, Los Angeles, CA: October, 1996.

“Sustainability and Hazards Mitigation,” Plenary Address, Colorado Emergency Management Conference, Breckenridge, CO: October, 1996.

“Societal Resiliency to Disaster,” Plenary Address, Hemispheric Congress on Disasters and Sustainable Development, International Hurricane Center, Miami, FL: September, 1996.

“The Character and Form of Effective Natural Hazards Public Information,” Pan Pacific Hazards Conference, Vancouver, B.C., Canada: July 1996.

“Assessment of Natural Hazards in the United States,” Subcommittees on Risk Analysis and Disaster Reduction, Committee on the Environment, Office of Science and Technology Policy, White House, Washington, D.C.: April, 1996.

“Human Behavior in Disaster: Myth and Reality,” Plenary Address, International Disaster Management Conference of the American College of Emergency Physicians, Orlando, FL: April, 1996.

“The National Assessment of Research and Applications on Natural Hazards,” Plenary Address, National Mitigation Conference, Federal Emergency Management Agency, Alexandria, VA: December, 1995.

“Human Reaction to Disasters and Evacuations, Traffic and Evacuation Seminar,” San Luis Obispo Emergency Services, San Luis Obispo, CA: October, 1995.

“The Social Aspects of Earthquakes,” Course on Understanding Earthquakes and Mitigating Their Effect, U.S. Geological Survey, Golden, CO: October, 1995.

“Proactive Implementation,” Risk Analysis Symposium on Integrating Onsite Risk Assessment and Offsite Implementation of Protective Decision Making, Consumers Power, Detroit Edison and Indiana Michigan Power, Ann Arbor, MI: May, 1995.

“Sociological Aspects of Risk Perception,” Course on Risk Analysis for Water Resources Planning and Management, U.S. Army Corps of Engineers, Institute for Water Resources, Springfield, VA: April, 1995.

“The National Assessment of Research and Applications on Natural Hazards,” Environmental Perception and Behavior Session, Annual Meeting of the Association of American Geographers, Chicago, IL: March, 1995.

“The National Assessment of Research and Applications on Natural Hazards,” Annual Meeting of the Institute of Behavioral Science, University of Colorado, Boulder, CO: April, 1995.

“Natural Hazards and Sustainability,” Department of Geography Forum, University of Colorado, Boulder, CO: September, 1994.

“The National Hazards Mitigation Strategy,” Keynote Address, Town Meeting of the Federal Emergency Management Agency, Boulder, CO: September 1994.

“The Role of Education in Effective Risk Management,” Keynote Address, Annual Meeting of the Colorado Association of Stormwater Managers Conference, Estes Park, CO: July 1994.

“Hazards Planning and Mitigation: Opportunities for the Future,” Session on Emergency Management and Mitigation of the Annual Meeting of the American Society for Public Administration, Kansas City, MO: July 1994.

“The Future of Emergency Management,” Region VIII Open House, Federal Emergency Management Agency, Denver, CO: July 1994.

“The State of Social Science Research,” Session on Socio-Economic Issues of the Fifth U.S. National Conference on Earthquake Engineering, Chicago, IL: July, 1994.

“Social, Cultural, and Economic Implications of Disasters,” Conference on Reducing Losses, Insurance Institute for Property Loss Reduction, Golden, CO: June 1994.

“Applying Research: Challenges and Opportunities in the Nineties,” Symposium on Natural Hazards Research, Central U.S. Earthquake Consortium, Memphis, TN: May 1994.

“Earthquakes and Society,” the Class of 1944 50-Year Reunion, College of Arts and Sciences, University of Colorado, Boulder, CO: June 1994.

“Sociological Implications of Disaster,” Orange County Disaster Preparedness Academy, Irvine, CA: May 1994.

“Disaster Warnings and Populations in Danger,” Orange County Disaster Preparedness Academy, Irvine, CA: May 1994.

“Perceived Risk in Risk Assessment,” Briefing on Risk Assessment, Sponsored by the Center for Environmental Journalism, Boulder, CO: April 1994.



“Presenting Information for Effective Public Emergency Response,” Risk Analysis for Water Resources Planning and Management, U.S. Army Corps of Engineers, Springfield, VA: April 1994.

“The Societal Causes of Increased Disaster Frequency and Intensity,” All Hazards Training Workshop, Sixth U.S. Army Reserve, Denver, CO: April 1994.

“The Sociology of Disaster,” Boulder Valley Rotary Club, Boulder, CO: April 1994.

“Public Information and Emergency Response,” Hydrologic Engineering Training Course on Flood Warning Preparedness Programs, Water Resources Support Center, U.S. Army Corps of Engineers, Davis, CA: March 1994.

“Scientists, Ethics, and Public Policy: Lessons from Recent Experiences in the Earth Sciences,” Forum on Ethics in Science and Public Policy, Front Range Branch of the American Geophysical Union, Boulder, CO: February 1994.

“The Second Assessment of Natural Hazards Research,” Session on the International Decade for Natural Disaster Reduction, Annual Meeting of the American Meteorological Society, Nashville, TN: January, 1994.

“Society and Disaster,” Distinguished Thomas M. Sutherland Lecture Series, Colorado State University, Ft. Collins, CO: November, 1993.

“The Sociology of Human Behavior in Disaster,” Colorado Integrated Emergency Management Conference, Colorado Springs, CO: September, 1993.

“Communicating Earthquake Risk: Societal Response to Revised Probabilities in the Bay Area,” Program on Earthquakes and Volcanoes of the U.S. Geological Survey, Menlo Park, CA: June, 1993.

“Societal Trends as we Approach the Year 2020,” Keynote Address, Second National Earthquake Conference, Earthquake Hazard Reduction in the Central and Eastern United States, Memphis, TN: May, 1993.

“Public Response to Warnings of Extreme Geophysical Disasters,” Cascades Volcano Observatory Seminar, Vancouver, WA: March, 1993.

“Assessment of Natural Hazards in the United States,” Keynote Address, Third Japan-U.S. Science and Technology Workshop on Natural Disaster Reduction, Corvallis, OR: September, 1992.

“What Has Been Learned in Social Science Research Since 1977 in the National Earthquake Hazards Reduction Program,” National Earthquake Hazards Program Advisory Committee, Washington, D.C.: June, 1992.

“Human Behavior in Disaster,” Seminar on Media and Policy, School of Journalism and Mass Communication, University of Colorado, Boulder, CO: March, 1992.

“Local Earthquake Prediction Response Planning: The Link Between Science and the Public,” Keynote Address, Workshop for Cities and Counties on Earthquake Prediction Response Planning, the Governor’s Office of Emergency Services, Pomona, CA: December, 1992.

“Emergency Planning Needs in Colorado,” Keynote Address, Colorado Combined Emergency Planning Conference, Silver Creek, CO: September, 1992.

“Communication and Public Education as it Regards Insurance,” National Committee on Property Insurance, Jacksonville, FL: May, 1992.

“Presenting Flood Warning Information to the Public for Effective Response,” Training Course on Flood Warning Preparedness, Department of the Army, Water Resources Support Center, Corps of Engineers, Hydrologic Engineering Center, Davis, CA: April, 1992.

“Emergency Management in the 1990s and Beyond,” Fourth Annual Joint Meeting of the State Emergency Management Agency and the Missouri Emergency Preparedness Association, Osage Beach, MO: April, 1992.

“Behavioral Issues in Nuclear Power Plant Emergency Preparedness,” Annual Meeting of the Missouri Emergency Team, Jefferson City, MO: June, 1992.

“People and Recovery,” Fourth Annual Emergency Preparedness Conference, Vancouver, British Columbia, Canada: October, 1992.

“Human Impacts of Earthquakes,” Annual Meeting of the Insurance Regulatory Examiners Society, Denver, CO: August, 1991.

“Basics of Emergency Preparedness,” Emergency Planning Team for the Colorado State University Emergency Plan, Fort Collins, CO: August, 1991.

“What Kind of Information Activates Public Behavioral Change,” Northern California Earthquake Project of the American Red Cross, Burlingame, CA: May, 1991.

“Human Psychological Needs after Disaster,” Conference on Earthquake Recovery and Reconstruction, Governor’s Office of Emergency Services, Pasadena, CA: May, 1991.

“Popular Myths versus Realities about Human Behavior in Emergencies,” Annual Emergency Management Meeting for Government Officials, New Hampshire Yankee Division of the Public Service Company of New Hampshire, Greenland, NH: April, 1991.

“Societal Response to Earthquakes,” International Training Course, U.S. Geological Survey, Golden, CO: March, 1991.

“Evacuation and Relocation Strategies,” Emergency and Disaster Conference, Las Vegas, NV: January, 1991.

“Public Response to Earthquake Predictions,” Short-Term Earthquake Advisory Workshop, Governor’s Office of Emergency Services, Pasadena, CA: November, 1990.

“Emergency Management in the 90’s and Beyond,” Annual Meeting of the California Emergency Services Association, San Diego, CA: October, 1990.

“Myths and Realities of Human Behavior in Emergencies,” Annual Meeting of the Edison Electric Institute, Emergency Planning Committee, St. Louis, MO: September, 1990.

“Technology Transfer: Are Our Models Any Good,” Annual Invitational Workshop on Natural Hazards, Boulder, CO: July, 1990

“Public Warnings during Earthquake Disaster,” Annual Invitational Workshop on Natural Hazards, Boulder, CO: July, 1990.

“The Social Implications of Emergency Response,” Annual Decision Makers Seminar of the Interjurisdictional Planning Committee, San Clemente, CA: June, 1990.

“Human Behavior during Response to Earthquake Emergencies,” National Security Emergency Preparedness Session, Fifth U.S. Army, San Antonio, TX: April, 1990.

“Human Aspects of Earthquake Emergencies,” Keynote Address, Earthquake Military Support Conference of the Army National Guard, Jefferson City, MO: April, 1990.

“Human Behavior in Emergencies,” Orange County/Cities Emergency Management Organization, Irvine, CA: April, 1990.

“Community Response to Evacuation,” Tabletop Exercise for Emergency Response at the Diablo Canyon Nuclear Power Plant, San Luis Obispo, CA: March, 1990.

“Public and Organizational Response in Emergencies,” Governor’s Citizens Advisory Committee on Nuclear Emergency Planning, San Luis Obispo, CA: February, 1990.

“Human Response to the Bay Area Earthquake,” Expert Panel on Communications, Annenberg Program on Communications Policy Studies, Northwestern University, Washington, D.C.: November, 1989.

“Social Implications of Emergency Response,” Annual State of California Meeting of Nuclear Power Preparedness Planners, La Jolla, CA: November, 1989.

“Human Behavior in Disasters: A Comparison of Soviet Armenia and New Madrid, Missouri,” Earthquake Preparedness Seminar, American Red Cross, Springfield, MO: August, 1989.

“Societal Response to the 1988 Spitak Earthquake,” U. S. Congress, Washington, D.C.: January 1989; National Academy of Sciences, Washington, D.C.: January, 1989; Earthquake Engineering Research Institute Briefing, Irvine, CA: January 1989; National Academy of Sciences, Washington, D.C.: March 1989; City of Los Angeles, Alhambra, CA: April, 1989; Governor’s Office of Emergency Services, Sacramento, CA: March, 1989; Bay Area Regional Earthquake Preparedness Project, Oakland, CA: February, 1989; American Red Cross, Springfield, MO: July 1989; Annual Hazards Center Workshop, Boulder, CO: July, 1989.

“Social Implications of Emergency Response,” Seminar on Medical Emergency Planning Sponsored by Southern California Edison Company, Orange, CA: December, 1988.

“Factors to Consider in the Dissemination of Public Information Regarding Recent Evidence Concerning Earthquake Risk in California,” National Earthquake Prediction Evaluation Council, Menlo Park, CA: February, 1988.

“Current, New and Future Issues Regarding Emergency Management,” Emergency Management Workshop, Emergency Management Division of the Executive Department of the State of Oregon, Bend. OR: September, 1988.

“The Role of Information in Emergency Preparedness and Response,” Hazards Research and Applications Workshop, Boulder, CO: July, 1988.

“Current Knowledge on Communicating Hazards and Risk Information,” Workshop on Continuing Actions to Reduce Potential Losses from Earthquakes Along the Wasatch Front, Salt Lake City, UT: December, 1987.

“Human Response to Emergencies,” Emergency Preparedness Executive Seminar by General Public Utilities, Forked River, NJ: September, 1987.

“Human and Social Aspects of Hazards Mitigation,” Colorado Society for Natural Hazards Research, Denver, CO: September, 1987.

“Have We Gotten Any Better at Informing and Educating the Public About Risks?” Hazards Research and Applications Workshop, Boulder, CO: July, 1987.

“Overview of Knowledge about Communicating Hazards and Risk Information,” Workshop on the U.S. Geological Survey’s Role in Hazard Warnings, Golden, CO: February, 1987.

“Emergency Preparedness and Mitigation Measures: The November 1985 Colombia Nevada del Ruiz Volcano Eruption,” Committee on Natural Disasters, Commission on Engineering and Technical Systems, National Research Council, National Academy of Sciences, Washington, D.C.: October, 1986.

“Social and Economic Impacts of Earthquake Predictions,” Los Angeles City Earthquake Prediction Workshop, Asilomar, CA: October, 1986.

“Armero, Colombia: Lessons for the United States,” Plenary Session, Hazards Research and Applications Workshop, Boulder, CO: July, 1986.

“Public Response and Flood Warning Emergency Preparedness,” Plenary Session, Conference on What Have We Learned Since the Big Thompson Flood, Boulder, CO: July, 1986.

“Social Aspects of Risk Communication,” Conference on Communications in Emergencies, Wyoming Disaster and Civil Defense, Cheyenne, WY: April, 1986.

“Earthquake Prediction: A General Overview,” Emergency Preparedness Commission for the Cities and County of Los Angeles, Carson, CA: April, 1986.

“What Do We Know About Human Behavior and Earthquakes,” Annual Meeting of the Earthquake Engineering Research Institute, San Francisco, CA: February, 1986.

“Social Aspects of the Parkfield Earthquake Prediction,” Annual Meeting of the American Geophysical Union, Session on Parkfield Earthquake Studies, San Francisco, CA: December, 1985.

“Social Impacts and Lessons from the Parkfield Earthquake Prediction,” Earthquake Prediction Workshop, Governor’s Office of Emergency Services, Asilomar, CA: July, 1985.

“How Well Traditional Warnings Deal with Today’s Hazards.” Plenary Session, Workshop on Hazards Research and Applications, Boulder, CO: July, 1985.

“Human Response to Emergencies,” Emergency Preparedness Seminar, General Public Utilities Nuclear Corporation, Middletown, PA: May, 1985.

“Social Aspects of Risk,” Risk Analysis Seminar, Department of Industrial Engineering, Stanford University, CA: February, 1985.

“Communicating Engineering Information to Public Officials,” Social Applications Session, Annual Meeting of the Earthquake Engineering Research Institute, Seattle, WA: February, 1985.

“Social and Political Obstacles to Nonstructural Flood Loss Mitigation Measures,” American Society for Civil Engineers, San Francisco, CA: October, 1984.

“Warnings: Applying Research in the Private Sector,” Plenary Session on Hazards Research and Management: Assessments of a Maturing Field, Natural Hazards Research and Applications Workshop, Boulder, CO: July, 1984.

“Human Response to Emergencies,” Emergency Preparedness Executive Seminar for County Commissioners of the Commonwealth of Pennsylvania, General Public Utilities Nuclear Corporation, Harrisburg, PA: March, 1984.

“The Uses of Earthquake Predictions,” Colloquium on Earthquake Prediction, Earthquake Research Institute, University of Tokyo: November, 1983.

“Human Response in Disasters,” American Red Cross, Mile High Chapter, Boulder Region, Boulder, CO: July, 1983.

“Integrated Emergency Management: Challenges and Opportunities,” Plenary Session of the Natural Hazards Research and Applications Workshop, Boulder, CO: July, 1983.

“Public Response to Flood Disasters,” Conference on Managing Flood Hazards, Association of State Floodplain Managers, Sacramento, CA: April, 1983.

“Natural Hazards, Disasters and Public Policy,” Environmental Management Institute, University of Southern California, Los Angeles, CA: April, 1982.

“Myths of Disaster Response,” Earthquake Planning Conference for Business and Industry, Los Angeles, CA: May, 1982.

“Communicating Lessons Learned From Social Science Research on Earthquakes,” Workshop on Lessons Learned from Recent Earthquakes, Earthquake Engineering Research Institute, Los Altos, CA: December, 1982.

“Social Causes of Earthquake Warning Response: Implications for the Design of California’s Warning System and Information Dissemination,” Southern California Earthquake Preparedness Project, Van Nuys, CA: October, 1981.

“Natural Hazards: What Have We Learned and What Problems Demand Attention,” Natural Hazards Research and Applications Workshop, Boulder, CO: July, 1981.

“Disaster Reconstruction: Patterns to Guide Planning,” Governor’s Task Force for Earthquake Emergency Preparedness, Sacramento, CA: July, 1981.

“Socio-Cultural Dimensions of Earthquake Risk,” Governor’s Emergency Task Force on Earthquakes, General Assembly, Sacramento, CA: May, 1981.

“Interorganizational Relations and Service Delivery Systems,” Health Sciences Center, University of Colorado, Denver, CO: October, 1980.

“Social Response to Earthquake Prediction: Local Policy Issues,” Southern California Emergency Services Association, Montebello, CA: February, 1980.

“Human Response to Weather-Borne Hazards Warnings,” Department of Atmospheric Sciences, Colorado State University, Ft Collins, CO: October, 1979.

“Natural Hazards, Disasters and Social Research,” Department of Sociology, University of Denver, Denver, CO: December, 1979.

“Measuring Implementation of Public Policy for Floodplain Land Use Controls,” Natural Hazards Research and Applications Workshop, Boulder, CO: August, 1978.

“Socioeconomic Effects of Earthquake Prediction and State Policy,” Conference on State Policy for Earthquake Prediction Technology, Boulder, CO: November, 1977.

“The Behavior of Organizations in an Earthquake Prediction,” American Society for Public Administration, Colorado Chapter, Denver, CO: April, 1976.

“The Social Aspects of Earthquake Predictions,” Seminar on Emergency Preparedness and Earthquake Prediction, Palm Springs, CA: June, 1976.

“Preparing to Use Earthquake Predictions,” Emergency Preparedness Commission for the County and Cities of Los Angeles, Montebello, CA: February, 1976.

“The Social Organization of Hazard Warning Systems,” Engineering Foundation Conference on Decision Making for Hazards, Pacific Grove, CA: March, 1976.

“The Likely Social and Economic Impacts of Earthquake Prediction,” Governor of California, Sacramento: May, 1975; Mayor of Los Angeles, CA: October, 1975.

“Social and Economic Aspects of Earthquake Prediction,” General Assembly of the International Union of Geodesy and Geophysics, Grenoble, France: September, 1975.

“Earthquake Prediction and Its Implications for Emergency Preparedness,” Center for Community Studies, Tokyo, Japan: September, 1975.

“Social Impacts of Earthquake Prediction: Implications for Policy,” California Water and Power Earthquake Engineering Forum, San Francisco, CA: April, 1975.

### **ORGANIZER/PRESIDER**

Plenary Session on Doing More with Less: Mitigation in a Changing Environment, International Hazard Mitigation Practitioners Workshop, Broomfield, CO: July 17, 2012.

Plenary Session on Communities Experiencing Tornadoes and Their Recovery, Natural Hazards Workshop, Broomfield, CO: July 17, 2012.

Plenary Session on the Christchurch, New Zealand Earthquakes of September 2010 and February 2011, Natural Hazards Workshop, Broomfield, CO: July 12, 2011.

Session on How to Survive the Big One, Resiliency Summit, Center for Bio-Security, University of Pittsburg Medical Center, Washington, D.C.: December 10, 2009.

Session on Rethinking the Emergency Alert System, 34<sup>th</sup> Annual Natural Hazards Research and Applications Workshop, University of Colorado, Boulder, CO: July 16, 2009.

Session on Defining and Developing Disaster Resilience, 33<sup>rd</sup> Annual Natural Hazards Workshop, University of Colorado, Boulder, CO: July 13, 2008.

Webinar on New Orleans and Hurricane Katrina: Societal Impacts and Hazards Mitigation, with Robert Gilbert, American Society of Civil Engineers, Reston, VA: August 2007.

Conference on Risk Perception and Communication, Inter-University Centers of Excellence Conference, Department of Homeland Security, Cambridge, MD: July 2007.

Short Course on Hazards Warnings and Sustainability, Department of Sociology, Anthropology, and Emergency Management, North Dakota State University, Fargo, ND: July 2007.

Session on Consequences of Disaster Myths, 30<sup>th</sup> Annual Natural Hazards Workshop, Natural Hazards Center, Boulder, CO: July 2005.

Session on the State of Research in Human Factors and Egress Modeling, Conference on Emergency Evacuation of People with Disabilities from Buildings, Interagency Committee on Disability Research, Rockville, MD: October, 2004.

Session on Disasters, Annual Meeting of the American Sociological Association, Washington, D.C.: August, 2000.

Session on Environment, Hazards, and Disasters, Annual Meeting of the Midwest Sociological Society, Chicago, IL: April, 1995.

Session on Program Simplification, Annual National Flood Conference, Federal Insurance Administration, St. Louis, MO: June 1995.

Panel on Hazards and Environmental Change in Colorado, Fourth Annual Global Change and Environmental Quality Symposium, University of Colorado, Boulder, CO: April 1994.

Session on Policy and the Loma Prieta Earthquake, Annual Meeting of the Earthquake Engineering Research Institute, Salt Lake City, UT: February, 1991.

Plenary Session on Hazards Prediction and Perception, Sixteenth Annual Workshop on Natural Hazards Research and Applications, Boulder, CO: July, 1991.

Session on Natural Disaster Reduction, Pan American Federation of Engineering Societies, Washington, D.C.: August, 1990.

Session on the Sociology of Disaster, Annual Meeting of the American Sociological Association, New York City, NY: August, 1986.

Session on Nuclear Power, Third International Congress on Emergencies, Washington, D.C.: May, 1985.



Session on Applied Sociology, Annual Meeting of the Pacific Sociological Association, Seattle: WA: April, 1984.

Session on Theoretical Assessments, Western Social Science Association, San Diego, CA: April, 1984.

Session on Methodological Approaches in the Study of Health Care Delivery Systems, Western Social Science Association, San Diego, CA: April, 1984.

Session on Earthquake Hazard Reduction Seventh Annual Workshop on Natural Hazards Research and Applications, Boulder, CA: July, 1982.

Session on Disasters and Cataclysms: Can Sociology Help, Pacific Sociological Association, San Diego, CA: April, 1982.

Session on Collective Behavior, American Sociological Association, New York City, NY: August, 1980.

Session on Complex Organizations, Pacific Sociological Association, San Francisco, CA: April, 1980.

Session on Complex Organizations, Western Social Science Association, Tempe, AZ: April, 1976.

### **DISCUSSANT**

Panel on Introduction of Generational Perspectives in Emergency Management, 18<sup>th</sup> Annual Emergency Management Higher Education Symposium, Emergency Management Institute, Federal Emergency Management Agency, Department of Homeland Security, Emmitsburg, MD: June 7, 2016.

Session on the NIST World Trade Center Investigation, 29<sup>th</sup> Annual Workshop on Hazards Research and Application, University of Colorado, Boulder, CO: July 13, 2004.

Workshop on Research Utilization in Earthquake Hazard Mitigation, National Center for Earthquake Engineering Research, Rensselaer, New York City, NY: June, 1991.

Session on Lessons Learned in the Past Twenty-Five Years, Conference on Reconstruction After Urban Earthquakes, National Center for Earthquake Engineering Research, State University of New York, Buffalo, NY: May, 1989.

Session on Theoretical Assessments, Western Social Science Association, San Diego, CA: April, 1984.

Session on Societal Response to Hazards, American Sociological Association, San Antonio, TX: August, 1984.

Session on Public Response to Earth Science Information, Natural Hazards Research and Applications Workshop, Boulder, CO: July, 1980.

Session on Warning Systems, National Conference on Natural Hazards, Boulder, CO: June, 1976.

Session on Warning Systems, National Conference on Natural Hazards, Boulder, CO: July, 1975.

Session on Disaster Relief and Warning Systems, National Conference on Natural Hazards, Estes Park: June, 1973.

### **PARTICIPANT**

Panel on What Keeps Me Up at Nights: Senior Hazards Experts Reflect on Lessons (Not) Learned, Natural Hazards Workshop, Broomfield, CO: July 17, 2012.

Panel on Thinking about Earthquakes,” Los Angeles Public Library Series, Los Angeles, CA: January 22, 2009.

Session on Earthquake Prediction: A New Generation of Ideas and Research, 30<sup>th</sup> Annual Natural Hazards Workshop, Natural Hazards Center, Boulder, CO: July 2005.

National Round Table on the Environment and the Economy, Disaster management and Sustainability Exploratory Meeting, Ottawa, Ontario, Canada: March, 2005.

Workshop on Ethics and Earthquakes, Earthquake Engineering Research Institute, Stanford, CA: September, 1997.

Panel on Methodology, Workshop on the Social and Economic Impacts of Weather, National Center for Atmospheric Research, Boulder, CO: April, 1997.

Panel on the Linkages Between Sustainability and Vulnerability to Natural Hazards, Section on Hazards and Cultural Ecology, Annual Meetings of the American Association of Geographers, Fort Worth, TX: April, 1997.

First Annual Wirth Conference on the Report of the President’s Council on Sustainability, University of Denver, Denver, CO: January, 1997.

U.S. National Delegation for the Earthquake Resistance Cooperation Project, Meeting, Ministry of Construction in the People’s Republic of China, Guan Zo, China: December, 1996.

Seventh Annual Aspen Global Change Institute Summer Science Session on Global Change and Natural Hazards, Aspen, CO: July 1996.

Natural Disaster Information Symposium, Insurance Institute for Property Loss Reduction, Boston, MA: June 1994.

Forum on News Coverage of the Reseda Earthquake, Society of Professional Journalists, California State University, Fullerton, CA: May 1994.

National Forum on Environment Research and Development, Office of Science and Technology Policy, Executive Office of the President, Washington, D.C.: March 1994.

Forum on Telecommuting and Emergency Preparedness, City and County of Denver, Denver, CO: March 1994.

Strategic Planning Seminar for the Earthquake Engineering Research Institute, Bodega Bay, CA: June, 1991.

Forum on the Economic Consequences of a Catastrophic Earthquake, Committee on Earthquake Engineering, Commission on Engineering and Technical Systems, National Research Council, National Academy of Sciences, Washington, D.C.: August, 1990.

Citizen's Advisory Committee on Radiological Emergencies, Governor's Office of Emergency Services, Orange County, CA: December, 1990.

Protective Action Workshop on Chemical Weapons Accidents, Oak Ridge National Laboratory, U.S. Department of the Army, Oak Ridge, TN: February, 1989.

Workshop on the U.S. National Decade for Natural Disaster Reduction, Estes Park, CO: October, 1988.

Panel on Research Applications for the National Earthquake Hazards Reduction Program, San Francisco, CA: February, 1988.

Workshop on Research Applications of the National Earthquake Hazards Reduction Program, U.S. Geological Survey, Denver, CO: September, 1987.

Review Panel on Disaster Research, National Center for Earthquake Engineering Research, State University of New York at Buffalo, NY: August, 1987.

Use of the Crisis Response Conclusion Retrieval System, University of Pittsburgh, Center for Social and Urban Research, Pittsburgh, PA: December, 1985.

Panel on Disaster Research, Its Funding and Future, American Sociological Association, San Antonio, TX: August, 1984.

Review Panel, Corresponding Member, Task Group on Social and Economic Aspects of Earthquakes, National Academy of Sciences, National Research Council, Commission on Sociotechnical Systems, Washington, D.C.: 1982.

Workshop on Disseminating Lessons Learned from Recent Earthquakes, Earthquake Engineering Research Institute, Los Altos, CA: December, 1982.

Tennessee Valley Authority Flood Plain Evaluation Panel, Boulder, CO: November, 1982.  
Earthquake Prediction Warning Task Force Workshop, Southern California Earthquake Preparedness Project, Asilomar, CA: December, 1981.

Symposium on Earthquake Prediction, Preparedness and Human Response, San Fernando, CA: June, 1976.

Symposium on Complex Organizations: Research and Applications, Western Social Science Association, El Paso, TX: April, 1974.

### **EDITORSHIPS**

Founding Co-Editor-In-Chief, Natural Hazards Review, Journal of the American Society of Civil Engineers. Washington, D.C. 1997-2003.

Coordinating Editor, The Loma Prieta Earthquake of October 17, 1989-Recovery, Mitigation, and Reconstruction. U.S. Geological Survey Professional Paper 1553-D. Washington, D.C.: U.S. Government Printing Office. 1990-1998.

Editor, Unscheduled Events, Newsletter of the Committee on Disasters of the International Sociological Association, 1990-1994.

Coordinating Editor, Societal Response to the Loma Prieta Earthquake, Volume Four, Final Report to Congress on the Loma Prieta Earthquake. Washington, D.C.: U.S. Geological Survey and the National Science Foundation.

Member of the Editorial Advisory Board, Industrial Crisis Quarterly, 1986-1994.

Associate Editor for Social Science, Earthquake Spectra, Journal of the Earthquake Engineering Research Institute, 1984-1990.

Corresponding Editor, Organizations and Occupations, Newsletter of the American Sociological Association, Western Region 1984-1985.

Corresponding Editor on Hazards and Disaster, Environmental Sociology, Newsletter of the Section on Environmental Sociology of the American Sociological Association, 1981-1985.

Guest Editor, special issue on Environmental Stress, Threat and Social System Response, Mass Emergencies 1(4): 247-346, 1976.

## **TESTIMONY & LITIGATION**

Civil Trial, in the Matter of SPI Electricity Pty & Orsats Carol Matthews Regarding the Adequacy of Public Warnings Issued during the 2009 Black Saturday Bush Fires, Victoria, Australia, April 2014.

Civil Trial, Case Preparation for the Office of the Attorney General, State of Virginia on Behalf of Virginia Technological University in the Matter of Warning Information Provided to Students during the April 16, 2007 Campus Shootings, July 2011–March 2012.

Criminal Trial, in the Matter of the Non-evacuation of St. Rita’s Nursing Home during Hurricane Katrina, St. Francisville, LA: September, 2007.

Little Hoover Commission, State of California, in the Matter of California’s Emergency Preparedness and the State’s Capacity to Respond to Major Catastrophes when Local Governments are Overwhelmed, Sacramento, CA: February 23, 2006.

Subcommittee on Policy Research and Insurance, Committee on Banking, Finance and Urban Affairs, U.S. House of Representatives in the Matter of Earthquake Insurance and Mitigation, Washington, D.C.: September, 1990.

Subcommittee on Science, Research and Technology, Committee on Science, Space and Technology, U.S. House of Representatives, Field Hearings in the Matter of the Loma Prieta Earthquake, San Francisco, CA: December, 1989.

Nuclear Regulatory Commission in the Matter of Emergency Planning at the Seabrook Nuclear Plant, Concord, NH: November, 1987 through March, 1988.

Nuclear Regulatory Commission in the Matter of Emergency Planning at the Shoreham Nuclear Reactor, Suffolk, NY: June, 1988; May - July, 1987; December, 1983 - June 1984.

Nuclear Regulatory Commission in the Matter of Emergency Planning at the Shearon-Harris Nuclear Power Plant, Raleigh, NC: June and November, 1985.

Nuclear Regulatory Commission in the Matter of Emergency Planning at the Shoreham Nuclear Reactor, Suffolk, NY: December, 1983 through June, 1984.

Nuclear Regulatory Commission in the Matter of Emergency Planning at the Wolf Creek Generating Station, Burlington, KS: January, 1984.

Nuclear Regulatory Commission in the Matter of Public Information for Emergency Planning at the Waterford Three Reactor, New Orleans, LA: February, 1983.

Suffolk County Legislature, State of New York, in the Matter of Emergency Planning at the Shoreham Nuclear Reactor, Suffolk, NY: January, 1983.

Nuclear Regulatory Commission in the Matter of Emergency Planning at the Diablo Canyon Nuclear Reactor, San Luis Obispo, CA: January, 1982.

Senate Subcommittee on Science, Technology and Space in the Matter of the National Earthquake Hazards Reduction Act, Washington, D.C.: April, 1980.

Nuclear Regulatory Commission in the Matter of the Impact of Floating Nuclear Plants on Tourist Behavior, Bethesda, MD: May, 1977 and July, 1978.

### **LEGISLATIVE AND PROGRAM REVIEWS**

National Legislation on Sustainable Hazards Mitigation, Department of Internal Affairs, New Zealand Central Government, Wellington, NZ: June, 1998.

Internal Review Committee for the Department of Anthropology, University of Colorado, Boulder, CO: 1998.

Annual Report of the Board of Visitors on the Emergency Management Institute of the Federal Emergency Management Agency, Washington, D.C.: June, 1998.

Annual Report of the Board of Visitors on the Emergency Management Institute of the Federal Emergency Management Agency, Washington, D.C.: April, 1997.

U.S. Department of the Interior, U.S. Geological Survey, Earthquake Hazards Program, Reston, VA: October, 1996.

National Science Foundation's Earthquake Hazards Mitigation Program, Review Board of Advisors, Washington, D.C.: 1995.

National Performance Review Team, Federal Emergency Management Agency, Washington, D.C.: March, 1995.

Presidential Review, Federal Authorities for Hazardous Material Accidents Safety, U.S. Environmental Protection Agency, Washington, D.C.: October 1994.

White House Office of Science and Technology Policy, Review of the National Earthquake Hazards Reduction Program, Washington, D.C.: June 1994.

Review Panel on Proposals for Social Science Research on the Northridge Earthquake, National Science Foundation, Arlington, VA: May 1994.

Research Program for the California Seismic Safety Commission, Sacramento, CA: 1991.

Research and Service Program for the Commission on Engineering and Technical Systems, National Research Council, Washington, D.C.: August, 1990.

Research Program Directions for the U.S. Geological Survey's Component of the National Earthquake Hazards Reduction Program, Denver, CO: August, 1990.

Goals and Priorities Review of the U.S. Geological Survey's Earthquake Hazards Prediction Program, Salt Lake City, UT: June, 1990.

House of Representatives Bill 4462 on a Federal Earthquake Insurance and Program, U.S. House of Representatives, Washington, D.C.: April, 1990.

Policy Review of Behavioral Implications of Placarding Buildings with Seismic Hazard Warnings, California Seismic Safety Commission, Sacramento, CA: January, 1991.

Program Elements of the Earthquake Hazards Reduction Program, U.S. Congressional Panel, Federal Emergency Management Agency, Washington, D.C.: 1982-83.

Earthquake Hazards Reduction Program Elements of the U.S. Geological Survey, Reston, VA: 1982-83.

Final Regulations for Floodplain Management and Protection of Wetlands, Federal Emergency Management Agency, Washington, D.C.: Federal Register 176(45): 59520-59538, 1980.

Applied Research Program Evaluation, National Science Foundation, Washington, D.C.: 1978-1979.