

MICHAEL K. LINDELL

EDUCATION

- Ph. D. Social/Quantitative Psychology, University of Colorado, Boulder, 1975
B.A. Psychology, University of Colorado, Boulder, 1969

PROFESSIONAL POSITIONS

- 2014 to present Emeritus Professor of Landscape Architecture and Urban Planning,
Texas A&M University
1997 to 2014 Professor of Landscape Architecture and Urban Planning,
Texas A&M University
1997 to 2001 Professor of Construction Science,
Texas A&M University
1996 to 1997 Associate Professor of Administrative Sciences
George Washington University
1995 to 1996 Visiting Associate Professor of Psychology
George Washington University
1995 to 1996 Research Associate Professor of Psychology
Michigan State University
1987 to 1995 Associate Professor of Psychology
Michigan State University
1986 to 1987 Visiting Associate Professor of Psychology
Georgia Institute of Technology
1974 to 1989 Research Scientist
Battelle Human Affairs Research Centers
1974 Research Psychologist
K.R. Hammond Associates
1972 to 1974 Computer Programmer/Data Analyst
Assessment of Research on Natural Hazards, University of Colorado
1971 to 1972 Teaching Assistant
Department of Psychology, University of Colorado
1970 to 1971 Research Assistant
Institute of Behavioral Science, University of Colorado

ADJUNCT AND ADMINISTRATIVE POSITIONS

- 2018 to present Affiliate Professor, School of Civil and Construction Engineering
Oregon State University
2017 to present Affiliate Professor of Geosciences
Boise State University
2014 to present Affiliate Professor of Urban Design and Planning
University of Washington
2011 to 2014 Senior Faculty Research Fellow
TAMU, Galveston Center for Texas Beaches and Shores
2003 to 2014 Senior Scholar
TAMU Hazard Reduction & Recovery Center
2003 Visiting Professor
Istanbul Technical University
2002 to 2014 Adjunct Professor of Psychology
Texas A&M University

ADJUNCT AND ADMINISTRATIVE POSITIONS (continued)

1997 to 2003 Director, Hazard Reduction & Recovery Center
Texas A&M University

1995 to 1997 Associate Director, Institute for Crisis and Disaster Management
George Washington University

1993, 1994 ASEE Senior Research Fellow, Medical Information Systems and
Operations Research Department, Naval Health Research Center, San Diego, CA

1993 Visiting Scholar, Center for Risk Management
Resources for the Future, Washington, D.C.

1987 to 1988 Adjunct Faculty, Federal Emergency Management Agency
National Emergency Training Center

1981 to 1987 Adjunct Assistant Professor of Psychology
University of Washington

1981 Visiting Lecturer in Educational Psychology
School of Education, University of Washington

PROFESSIONAL ASSOCIATIONS

American Geophysical Union; Association for Psychological Science; International Sociological Association; Society for Risk Analysis

PRINCIPAL INVESTIGATOR/PROJECT DIRECTOR

1. Lindell, M.K. & Perry, R.W. National Institute of Mental Health. *Consequences of natural hazards for mental health*, 5/77-2/78, \$10,000.
2. Lawler, E.E. III (Principal Investigator) Lindell, M.K. (Project Director) Office of Naval Research. *Effects of social structure, technology and job design on job satisfaction*, 3/77-8/80, \$77,000.
3. Lindell, M.K. Energy Research and Development Administration. *Public perception and evaluation of risk associated with nuclear waste*, 10/77-9/78, \$50,000.
4. Lindell, M.K. General Telephone of the Northwest. *Analysis of the Position Evaluation System*, 5/79-12/79, \$15,000.
5. Lindell, M.K. Department of Energy. *Consumer response to gasoline shortage*, 7/79-1/80, \$30,000.
6. Lindell, M.K. Nuclear Regulatory Commission. *Technical assistance in implementing emergency preparedness requirements*, 9/79-9/82, \$355,000.
7. Lindell, M.K. Nuclear Regulatory Commission. *Evaluation of licensee emergency response facility designs*, 6/81-10/81, \$56,000.
8. Lindell, M.K. Nuclear Regulatory Commission. *Design assistance for NRC headquarters and regional operations centers*, 9/81-3/84, \$105,000.
9. Lindell, M.K. Nuclear Regulatory Commission. *Evaluation of emergency exercises at nuclear power plants*, 10/81-9/82, \$114,000.
10. Lindell, M.K. Nuclear Regulatory Commission. *Analysis of emergency staffing*, 10/82-3/84, \$59,000.
11. Lindell, M.K. Atomic Industrial Forum. Planning concepts and decision criteria for sheltering and evacuation, 8/83-5/84, \$110,000.
12. Lindell, M.K. National Science Foundation. *Contingent conditions for research-based local emergency planning*, 6/83-5/85, \$21,000.
13. Lindell, M.K. National Science Foundation. *Behavioral response to technological hazards*, 8/84-11/85, \$60,000.
14. Lindell, M.K. Westinghouse Corporation. *Human factors assistance for the Hanford Emergency Control Center*, 1/85-9/85, \$26,000.
15. Lindell, M.K. SmithKline. *Development of toxic chemical emergency response plan*, 1/86-7/86, \$44,000.
16. Lindell, M.K. Department of Energy. *Human factors assistance for the DOE headquarters emergency operations center*, 2/86-11/86, \$66,000.

PRINCIPAL INVESTIGATOR/PROJECT DIRECTOR (continued)

17. Lindell, M.K. Nuclear Regulatory Commission. *Evaluation of licensee emergency response facilities*, 5/86-9/86, \$19,000.
18. Lindell, M.K. Long Island Lighting Company. *Evaluation of offsite preparedness for an emergency at the Shoreham Nuclear Power Station*, 1/87-2/89, \$80,000.
19. Lindell, M.K. Federal Emergency Management Agency. *Provide technical support for National Emergency Training Center courses on "Evacuation planning and response" and "Multihazard planning,"* 8/87-5/88, \$3,000.
20. Lindell, M.K. Michigan State University. *Effectiveness of community planning for toxic chemical emergencies*, 7/89-10/90, \$6,000.
21. Lindell, M.K. GAF Chemical. *Evaluation of local emergency preparedness for transportation of hazardous waste*, 9/92-2/93, \$48,000.
22. Lindell, M.K. National Institute for Occupational Safety and Health. *Promoting adaptive response to hazardous situations*, 2/93-6/93, \$7,000.
23. Lindell, M.K. National Science Foundation ENG 9222600. *Assessing the effectiveness of Local Emergency Planning Committees*, 9/93-8/96, \$207,000.
24. Lindell, M.K. National Science Foundation. ENG 9415728 *Hazardous materials in the Northridge earthquake: Hazard analysis, mitigation & preparedness*, 8/94-6/96, \$99,638.
25. Lindell, M.K. National Science Foundation ENG 9633594. *Adoption of earthquake hazard adjustments by households and complex organizations*, 9/96-12/01, \$399,775.
26. Lindell, M.K. & Graham, C.W. Texas Division of Emergency Management. *Texas hurricane evacuation shelter survey*, 8/98-9/99, \$228,542.
27. Lindell, M.K. Texas Division of Emergency Management. *Texas hazard analysis information web site*, 7/99-09/00, \$77,039.
28. Prater, C.S., Lindell, M.K. & Wenger, D.E. National Science Foundation ENG 0085056. *Analysis of institutional response to the Taiwan 9/21 earthquake*, 9/00-8/01, \$74,999.
29. Lindell, M.K. Alaska Division of Emergency Services. *ADES intern/operations and planning support*, 06/01-08/02, \$121,874.
30. Lindell, M.K. Texas Engineering Experiment Station, *Hurricane planning support for the Texas Gulf coast*, 6/01-12/01, \$80,400.
31. Lindell, M.K. Texas Division of Emergency Management. *Hurricane evacuation study materials*, 12/01-06/02, \$125,622.
32. Lindell, M.K. Taiwanese Institute of Environment and Disaster Policy. *Teach courses in disaster response planning*, 08/02-09/02, \$19,540.
33. Lindell, M.K. National Science Foundation ENG 0219155. *Develop an evacuation management decision support system*, 9/02-8/05, \$409,210.
34. Lindell, M.K. & Prater, C.S. Federal Emergency Management Agency. *Development of an electronic textbook: "An introduction to emergency management"*, 09/02-09/04, \$98,537.
35. Lindell, M.K. & Prater, C.S. Istanbul Technical University. *Teach courses in disaster response planning and hazard mitigation planning*, 02/03-03/03, \$15,000.
36. Lindell, M.K. & Prater, C.S. Mid America Earthquake Center/National Science Foundation. *Damage synthesis: Socio-economic impact assessment* 1/03-10/04, \$80,000 (plus \$80,000 match).
37. Lindell, M.K. & Prater, C.S. Mid America Earthquake Center/National Science Foundation. *Political and organizational structure influence on earthquake decision making* 11/04-10/05, \$21,700 (plus \$26,100 match).
38. Lindell, M.K. & Prater, C.S. Mid America Earthquake Center/National Science Foundation. *Socio-economic impact assessment* 11/04-10/05, \$40,000 (plus \$40,000 match).
39. Peacock, W.G., Lindell, M.K. & Prater, C.S. Mid America Earthquake Center/National Science Foundation. *Quantitative models of social and economic consequences* 11/04-10/05, \$13,300 (plus \$16,100 match).
40. Lindell, M.K. & Prater, C.S. Army Corps of Engineers, Baltimore. *The Capitol Hill project*. 01/05-06/05, \$44,970.

PRINCIPAL INVESTIGATOR/PROJECT DIRECTOR (continued)

41. Prater, C.S., Lindell, M.K. & Peacock, W.G. National Science Foundation ENG 0523041. *Social vulnerability mapping and GIS in tsunami impact analysis*. 03/05-02/06, \$95,256.
42. Lindell, M.K., Prater, C.S., Yeh, H. & Pancake, C. National Science Foundation SBE 0527699. *Community risk management of hurricane and tsunami surge hazards*. 02/06-01/09, \$750,000 (\$417,581 Texas A&M University; \$332,419 Oregon State University).
43. Peacock, W.G., Lindell, M.K. & Prater, C.S. Texas Department of Transportation. *Hurricane Rita behavioral survey*. 03/06-01/07. \$67,000.
44. Peacock, W.G., Brody, S., Prater, C.S., Lindell, M.K., Ndubisi, F., Martin, J. & Wunneburger, D. Texas General Land Office. *Status and trends of coastal vulnerability to natural hazards*. 08/06-07/11. \$750,000. (Year 1, \$131,000).
45. Lindell, M.K. US Army Corps of Engineers Galveston District. W912HY-05-D-0001. *Perform behavioral analysis for expected and observed mass evacuations: Texas hurricane evacuation study program* 01/07-03/08. \$24,989.50.
46. Lindell, M.K., House, D.H. & Prater, C.S. National Science Foundation SBE0838654. *Communicating hurricane information to local officials for protective action decision making*. 01/09-12/11, \$399,975 (\$234,580 Texas A&M University; \$165,395 Clemson University).
47. Lindell, M.K. Department of Justice. 9W-CIV01-0474. *Formaldehyde in FEMA temporary housing units provided after the 2005 hurricanes*. 03/09-03/10, 140,222.
48. Zechman, E., Brumbelow, K. Lindell, M.K. & Mumpower, G. National Science Foundation CMMI-0927739. *Agent-based modeling for planning emergency response to contamination emergencies in water utilities*, 09/09-08/11, \$377,000.
49. Lindell, M.K. & Prater, C.S. National Science Foundation CMMI-1138612. *Immediate behavioral response to earthquakes in New Zealand and Japan*, 08/11-07/12, \$44,989.
50. Brody, S.D., Highfield, W.E. & Lindell, M.K. National Science Foundation CMMI-1129998. *Examining the 100-Year floodplain as a metric of risk, loss, and household adjustment*. 09/11-08/13, \$312,801.
51. Lindell, M.K. U.S. Army Corps of Engineers Galveston District. W912HZ-12-2-0006. *Behavioral study, Valley hurricane evacuation study, Willacy, Cameron, and Hidalgo Counties, Texas*. 03/12-03/13, \$85,000.
52. Lindell, M.K. & Prater, C.S. National Science Foundation IIS-1212790/IIS-1540469. *Collaborative research: Modeling, display, and understanding uncertainty in simulations for policy decision making*. 10/12-09/18, \$3,000,000 (\$319,125 Texas A&M University; remainder to University of Utah, University of California Santa Barbara, Clemson University).
53. Lindell, M.K. Texas A&M University and National Science Foundation of China. *Communicating disaster information for effective protective action decision making*. 09/13-08/14, \$24,839.
54. Lindell, M.K. US Army Corps of Engineers Sacramento District. W91238-16-P-0072. *Coastal warning and protective action initiation*. 09/16-09/17. \$131,851.
55. Brand, B., Dietrich, A. & Lindell, M.K. National Science Foundation IMEE-1663642. *Assessing the influence of cultural variables, perceptions, and earthquake hazard information on household emergency preparedness*. 09/01/17-08/31/20, \$426,332.
56. Lindell, M.K. National Science Foundation CMMI-1760766. *Risk area residents' response to Hurricane Harvey*. 10/01/17-09/30/18, \$11,599.
57. Lindell, M.K. National Science Foundation CMMI-1826455. *Understanding evacuation behavior for rapid onset disasters such as flash floods and tsunami in the Cascadia Subduction Zone*. 10/01/18-09/30/21, \$120,293.
58. Lindell, M.K. Washington Emergency Management Division E19-192, *Social science evaluation of tsunami evacuation products*, 02/01/19-08/31/19, \$95,834.
59. Wang, H. & Lindell, M.K. National Science Foundation CMMI-1902888. *RAPID: Local residents' responses to the 2018 Indonesia earthquake and tsunami*. 11/01/18-10/30/20, \$30,000.
60. Wang, H. & Lindell, M.K. National Science Foundation CMMI-1940345. *CoPe Conference: International symposium on interdisciplinary evacuation modeling for rapid onset disasters*. 08/23/19-08/22/20, \$99,999.
61. Lindell, M.K. National Science Foundation CMMI-2029817. *RAPID: Household Emergency Preparedness and Responses to the COVID-19 pandemic*. 05/15/20-04/30/21, \$47,500.

62. Wang, H., Fischer, E., DeAmicis, R., Cox, D. & Lindell, M.K. National Science Foundation CMMI-2044089. SCC-CIVIC-PG Track B: Knowledge-to-Action: Enhance Community Disaster Preparedness and Resiliency through Physical and Virtual Drills. 02/09/21-08/08/21, \$50,000.

OTHER RESEARCH SPONSORS

Argonne National Laboratory, ARCO, Brookhaven National Laboratory, CIBA-GEIGY Pharmaceutical, Centers for Disease Control and Prevention/Agency for Toxic Substances and Disease Registry, Consolidated Edison Indian Point Station, Defense Civil Preparedness Agency, Department of Justice, Federal Aviation Administration, General Electric, International Atomic Energy Agency, Japan Power Engineering and Inspection Corporation, Muskegon County Michigan, Naval Health Research Center, Ohio Environmental Protection Agency, Parker County Texas, Porter County Indiana, Prince William Sound Risk Assessment Steering Committee, Sandia National Laboratory, Simpson Timber, United Autoworkers-General Motors Human Resource Center, US Army Corps of Engineers, Ventura County California, Washington Emergency Management Division; Weyerhaeuser.

BOOKS and MONOGRAPHS

1. Perry, R.W., Lindell, M.K. & Greene, M.R. (1981). *Evacuation Planning in Emergency Management*. Lexington, MA: Heath Lexington Books.
2. Perry, R.W. & Lindell, M.K. (1990). *Living with Mt. St. Helens: Human Adjustment to Volcano Hazards*. Pullman, WA: Washington State University Press.
3. Lindell, M.K. & Perry, R.W. (1992). *Behavioral Foundations of Community Emergency Planning*. Washington DC: Hemisphere Press.
4. Lindell, M.K., with Alesch, D., Bolton, P.A., Greene, M.R., Larson, L.A., Lopes, R., May, P.J., Mulilis, J-P., Nathe, S., Nigg, J.M., Palm, R., Pate, P., Perry, R.W., Pine, J., Tubbesing, S.K. & Whitney, D.J. (1997). Adoption and implementation of hazard adjustments. *International Journal of Mass Emergencies and Disasters Special Issue, 15*, 327-453.
5. Tierney, K.J., Lindell, M.K. & Perry, R.W. (2001). *Facing the Unexpected: Disaster Preparedness and Response in the United States*. Washington DC: Joseph Henry Press.
6. Lindell, M.K. & Perry, R.W. (2004). *Communicating Environmental Risk in Multiethnic Communities*. Thousand Oaks CA: Sage.
7. Lindell, M.K., Prater, C.S. & Perry, R.W. (2006). *Fundamentals of Emergency Management*. Emmitsburg MD: Federal Emergency Management Agency Emergency Management Institute. Available at www.training.fema.gov/hiedu/aemrc/booksdownload/fem/hrrc.arch.tamu.edu/publications/books%20and%20monographs/
8. Lindell, M.K., Prater, C.S. & Perry, R.W. (2007). *Introduction to Emergency Management*. Hoboken NJ: John Wiley.
9. Perry, R.W. & Lindell, M.K. (2007). *Emergency Planning*. Hoboken NJ: John Wiley.
10. Lindell, M.K., Murray-Tuite, P., Wolshon, B. & Baker, E.J. (2019). *Large-Scale Evacuation: The Analysis, Modeling, and Management of Emergency Relocation from Hazardous Areas*. New York: Routledge.
11. Lindell, M.K., editor. (2020). *The Routledge Handbook of Urban Disaster Resilience: Integrating Mitigation, Preparedness, and Recovery Planning*. New York: Routledge.

NATIONAL ACADEMY of SCIENCES/NATIONAL RESEARCH COUNCIL REPORTS

1. Committee on Disaster Research in the Social Sciences. (2006). *Facing Hazards and Disasters: Understanding Human Dimensions*. Washington DC: National Academy of Sciences/National Research Council.
2. Committee on Assessing Vulnerabilities Related to the Nation's Chemical Infrastructure. (2006). *Terrorism and the Chemical Infrastructure: Protecting People and Reducing Vulnerabilities*. Washington DC: National Academy of Sciences/National Research Council.
3. Committee on Inherently Safer Chemical Processes. (2012). *The Use and Storage of Methyl Isocyanate (MIC) at Bayer CropScience*. Washington DC: National Academy of Sciences/National Research Council.
4. National Academies of Sciences, Engineering, and Medicine. (2021). *Emergency Evacuation and Sheltering During the COVID-19 Pandemic*. Washington, DC: The National Academies Press. doi.org/10.17226/26084.

ADVISORY COMMITTEE ON EARTHQUAKE HAZARDS REDUCTION REPORTS

1. Advisory Committee on Earthquake Hazards Reduction. (2010). *Effectiveness of the National Earthquake Hazards Reduction Program*. Washington DC: National Earthquake Hazards Reduction Program.
2. Advisory Committee on Earthquake Hazards Reduction. (2012). *Effectiveness of the National Earthquake Hazards Reduction Program*. Washington DC: National Earthquake Hazards Reduction Program.

INTERNATIONAL ATOMIC ENERGY AGENCY GUIDANCE

1. Emergency Preparedness and Response Method, EPR Method. (2003). *Method for Developing Arrangements for Response to a Nuclear or Radiological Emergency*. Vienna: International Atomic Energy Agency.
2. IAEA Safety Guide GS-G-2.1. (2007). *Arrangements for Preparedness for a Nuclear or Radiological Emergency*. Vienna: International Atomic Energy Agency.

NATIONAL TSUNAMI HAZARD MITIGATION PROGRAM REPORTS

1. NTHMP Review Committee. (2007). *Consensus Statement*. Available at <https://nws.weather.gov/nthmp/assessments/2007assessment/assessment2007.html>.
2. Lindell, M.K. (2007). *Assessment of the National Tsunami Hazard Mitigation Program*. College Station TX: Texas A&M University Hazard Reduction & Recovery Center. Available at nthmp.tsunami.gov/documents/LindellNTHMPFinalReport.pdf.
3. NTHMP Review Committee. (2017). *2017 National Tsunami Hazard Mitigation Program Review*. Available at <https://nws.weather.gov/nthmp/assessments/2017assessment/assessment2017.html>

BOOK and ENCYCLOPEDIA CHAPTERS

1. Stewart, T.R., Joyce, C.R.B. & Lindell, M.K. (1975). New analyses: application of judgment theory to physicians' judgments of drug effects. In K.R. Hammond and C.R.B. Joyce (Eds.) *Psychoactive Drugs and Social Judgment: Theory and Research* (pp. 249-262). New York: Wiley Interscience.
2. Perry, R.W. and Lindell, M.K. (1980). Predisaster planning to promote compliance with evacuation warnings. In E.J. Baker (Ed.) *Hurricanes and Coastal Storms: Awareness, Education and Mitigation* (pp. 44-49). Tallahassee, FL: Florida State University.
3. Earle, T.C. & Lindell, M.K. (1984). Public perception of industrial risks: A free response approach. In R.A. Waller and V. T. Covello (Eds.) *Low Probability-High Consequence Risk Analysis: Issues, Methods and Case Studies* (pp. 531-550). New York: Plenum Press.
4. Perry, R.W. & Lindell, M.K. (1989). Communicating threat information for volcano hazards. In L. Walters, L. Wilkins and T. Walters (Eds.) *Bad Tidings: Communication and Catastrophe* (pp. 47-62). Hillsdale, NJ: Lawrence Erlbaum.
5. Feldman, J. & Lindell, M.K. (1990). On rationality. In I. Horowitz (Ed.) *Recent Economic Thought: Organization and Decision Theory* (pp. 83-170). Boston: Kluwer Publishers.
6. Kartez, J.D. & Lindell, M.K. (1990). Adaptive planning for community disaster response. In R.T. Silves and W.L. Waugh, Jr. (Eds.) *Cities and Disaster: North American Studies in Emergency Management* (pp. 5-31). Springfield, IL: Charles C. Thomas Publishers.
7. Lindell, M.K. & Perry, R.W. (1993). Risk area residents' changing perceptions of volcano hazard at Mt. St. Helens. In F. Siccardi, J. Nigg and J. Nemec (Eds.) *Prediction and Perception of Natural Hazards* (pp. 159-166). Amsterdam: Kluwer Academic Publishers.
8. Lindell, M.K. (1994). Motivational and organizational factors affecting implementation of worker safety training. In M.J. Colligan (Ed.) *Occupational Medicine State of the Art Reviews: Occupational Safety and Health Training* (pp. 211-240). Philadelphia: Hanley & Belfus.
9. Lindell, M.K., *Whitney, D.J., *Futch, C.J. & *Clause, C.S. (1996). The Local Emergency Planning Committee: A better way to coordinate disaster planning. In R.T. Silves and W.L. Waugh, Jr. (Eds.) *Disaster Management in the U.S. and Canada: The Politics, Policymaking, Administration and Analysis of Emergency Management* (pp. 234-249). Springfield, IL: Charles C. Thomas Publishers.
10. Lindell, M.K. (2006). Hazardous materials. In American Planning Association (Ed.) *Planning and Urban Design Standards* (pp. 168-170). New York: John Wiley and Sons.

BOOK and ENCYCLOPEDIA CHAPTERS (continued)

11. Lindell, M.K. (2006). Regulation of hazardous chemicals and chemical wastes. In S. Lee. (Ed.) *Encyclopedia of Chemical Processing* (pp. 1-10). New York: Marcel Dekker.
12. Lindell, M.K. & Perry, R.W. (2006). Onsite and offsite emergency preparedness. In S. Lee. (Ed.) *Encyclopedia of Chemical Processing* (pp. 1959-1971). New York: Marcel Dekker.
13. Lindell, M.K. & Perry, R.W. (2007). Planning and preparedness. In K.J. Tierney & W.F. Waugh, Jr. (Eds.) *Emergency Management: Principles and Practice for Local Government*, 2nd ed. (pp. 113-141). Washington DC: International City/County Management Association.
14. Perry, R.W. & Lindell, M.K. (2007). Responding to disaster. In K.J. Tierney & W.F. Waugh, Jr. (Eds.) *Emergency Management: Principles and Practice for Local Government*, 2nd ed. (pp. 159-181). Washington DC: International City/County Management Association.
15. Lindell, M.K. (2008). Cross-sectional research. In N. Salkind (Ed.). *Encyclopedia of Educational Psychology* (pp. 206-213). Thousand Oaks CA: Sage.
16. Lindell, M.K. (2011). Disaster studies. In B. Klandermans (Ed.) *Sociopedia*. Available at www.sagepub.net/isa/resources/pdf/Disaster%20Studies.pdf.
17. Lindell, M.K. (2011). Katrina trailers: A cautionary tale about the challenges of temporary housing. In E.J. Blakely et al. (Eds.) *Managing Urban Disaster Recovery: Policy, Planning, Concepts and Cases* (pp. 158-160). New York: Crisis Response Publications.
18. Lindell, M.K. (2012). Response to environmental disasters. In S. Clayton (Ed.) *Handbook of Environmental and Conservation Psychology* (pp. 391-413). New York: Oxford University Press.
19. Lindell, M.K. (2013). North American cities at risk: Household responses to environmental hazards. In H. Joffe, T. Rossetto & J. Adams (Eds.). *Cities at Risk: Living with Perils in the 21st Century* (pp. 109-130). Dordrecht: Springer.
20. Lindell, M.K. (2013). Evacuation planning, analysis, and management. In A.B. Bariru and L. Racz (Eds.). *Handbook of Emergency Response: A Human Factors and Systems Engineering Approach* (pp. 121-149). Boca Raton FL: CRC Press.
21. Lindell, M.K. (2013). Risk perception and risk communication. In P. Bobrowsky (Ed.). *Encyclopedia of Natural Hazards* (pp. 870-872). Heidelberg: Springer. DOI 10.1007/978-1-4020-4399-4.
22. Lindell, M.K. (2013). Emergency management. In P. Bobrowsky (Ed.). *Encyclopedia of Natural Hazards* (pp. 263-271). Heidelberg: Springer.
23. Lindell, M.K. (2013). Recovery and reconstruction after disaster. In P. Bobrowsky (Ed.). *Encyclopedia of Natural Hazards* (pp. 812-824). Heidelberg: Springer.
24. *Wu, H.C., Lindell M.K., Prater C.S. & Huang, S-K. (2013). Logistics of hurricane evacuation in Hurricane Ike. In J. Cheung and H. Song (Eds.), *Logistics: Perspectives, Approaches and Challenges* (pp. 127-140). Hauppauge NY: Nova Science Publishers.
25. Lindell, M.K. (2014). Judgment and decision making. In M. Webster and J. Sell (eds.). *Laboratory Experiments in the Social Sciences*, 2nd ed. (pp. 403-431). San Diego CA: Academic Press.
26. Lindell, M.K., Brody, S.D. & Highfield, W.E. (2017). Financing housing recovery through hazard insurance: The case of the National Flood Insurance Program. In A. Sapat and A-M Esnard. *Coming Home After Disaster: Multiple Dimensions of Housing Recovery* (pp. 50-65). Boca Raton FL: CRC Press.
27. Lindell, M.K. (2018). Communicating imminent risk. In H. Rodríguez, J. Trainor, and W. Donner (eds.) *Handbook of Disaster Research*, 2nd ed. (pp. 449-477). New York: Springer.
28. Lindell, M.K. (2019). Emergency management: Evacuations. In L.R. Shapiro & M-H. Maras (eds.) *Encyclopedia of Security and Emergency Management*. New York: Springer.
29. Lindell, M.K. (2019). Emergency management: Shelter in-place. In L.R. Shapiro & M-H. Maras (eds.) *Encyclopedia of Security and Emergency Management*. New York: Springer.
30. Lindell, M.K. (2019). Emergency management: HAZMAT. In L.R. Shapiro & M-H. Maras (eds.) *Encyclopedia of Security and Emergency Management*. New York: Springer.
31. Lindell, M.K. (2020). Emergency management: Crisis management and response. In L.R. Shapiro & M-H. Maras (eds.) *Encyclopedia of Security and Emergency Management*. New York: Springer.

BOOK and ENCYCLOPEDIA CHAPTERS (continued)

32. Lindell, M.K. (2020). Chapter 1: An overview of hazards, vulnerability, and disasters. In M.K. Lindell, (ed.). *The Routledge Handbook of Urban Disaster Resilience: Integrating Mitigation, Preparedness, and Recovery Planning* (pp. 3-32). New York: Routledge.
33. Wu, H-C., Huang, S.K. & Lindell, M.K., (2020). Chapter 12: Evacuation planning. In M.K. Lindell, (ed.). *The Routledge Handbook of Urban Disaster Resilience: Integrating Mitigation, Preparedness, and Recovery Planning* (pp. 206-222). New York: Routledge.
34. Lindell, M.K. (in press). Planning for flood evacuation: Analysis, modeling, and management. In J. Lamond, D. Proverbs and N. Bhattacharya-Mis (Eds.). *Research Handbook on Flood Risk Management*. Cheltenham UK: Edward Elgar Publishing.

* Student

JOURNAL ARTICLES

1. Lindell, M.K. & Stewart, T.R. (1974). The effects of redundancy in multiple cue probability learning. *American Journal of Psychology*, 87, 393-398.
2. Lindell, M.K. (1976). Cognitive and outcome feedback in multiple cue probability learning tasks. *Journal of Experimental Psychology: Human Learning and Memory*, 2, 739-745.
3. Lindell, M.K. (1978). Interpretation of the R^2 index in regression models of judgment. *Educational and Psychological Measurement*, 38, 69-74.
4. Perry, R.W. & Lindell, M.K. (1978). Psychological consequences of natural disaster. *Mass Emergencies*, 3, 105-115.
5. Lindell, M.K. & Drexler, J.A. Jr. (1979). Issues in using survey methods for measuring organizational change. *Academy of Management Review*, 4, 13-19.
6. Lindell, M.K. & Drexler, J.A. Jr. (1980). Equivocality of factor incongruence as an indicator of type of change in OD interventions. *Academy of Management Review*, 5, 105-107.
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142. Lindell, M.K., Prater, C.S. & House, D.H. (2022). Cascadia Subduction Zone residents' tsunami evacuation expectations. *Geosciences*, 12, 189. DOI: 10.3390/geosciences12050189
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144. MacPherson-Krutzsky, C.C., Brand, B.D. & Lindell, M.K. (in press). From information to public preparedness in the Cascadia Subduction Zone: Examining risk communication outcomes in Metropolitan Portland, OR. *Earthquake Spectra*. DOI: 10.1177/87552930211057582
145. Siam, M.R K., Wang, H., Lindell, M.K., Chen, C., Vlahogianni E.I. & Axhausen, K.W. (in press). An interdisciplinary agent-based multimodal wildfire evacuation model: Critical decisions and life safety. *Transportation Research Part D: Transport & Environment*.
146. Grover, H., Lindell, M.K., Brody, S.D. & Highfield, W.E. (in press). Correlates of flood hazard adjustment adoption in four coastal communities. *International Journal of Disaster Risk Reduction*. doi.org/10.1016/j.ijdr.2021.102728.
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148. MacPherson-Krutzsky, C.C., Brand, B.D. & Lindell, M.K. (in press). Residents' information seeking behavior and protective action for earthquake hazards in the Portland Oregon metropolitan area. *Risk Analysis*. DOI: 10.1111/risa.13916
149. Wang, H., Lindell, M.K., Siam, M.R.K., Chen, C., & Husein, R. (in press). Local residents' immediate responses to the 2018 Indonesia earthquake and tsunami. *Earthquake Spectra*.
150. Chen, C, Wang, H., Lindell, M.K., Jung, M.C., & Siam, M.R.K. (in press). Tsunami Preparedness and resilience: evacuation logistics and time estimations. *Transportation Research Part D: Transport & Environment*.

JOURNAL ARTICLES (continued)

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INVITED COMMENTS

1. Lindell, M.K. (2010). Built-in resilience. *Nature Geoscience*, 3, 739-740.
2. Lindell, M.K. (2017). Smart recovery: Mapping, mitigation, and the long rebuilding process. *Research Counts* <<https://hazards.colorado.edu/news/research>>

OTHER ARTICLES AND CONFERENCE PROCEEDINGS

1. Lindell, M.K., Perry, R.W. & Greene, M.R. (1980). Mt. St. Helens: Washingtonians view their volcano. *Hazard Monthly*, 1 (2), 1-3.
3. Perry, R.W., Lindell, M.K. & Greene, M.R. (1981). Flood warning: How people react after the warning. *Hazard Monthly*, 1 (11), 1-6.
4. Lindell, M.K. & Perry, R.W. (1983). Nuclear power plant emergency warning: How would the public respond? *Nuclear News*, 26, 49-53.
5. Lindell, M.K. (1985). Review of *Warning and response to the Mt. St. Helens eruption* by Saarinen and Sell. *Disasters*, 9, 230-232.
6. Perry, R.W. & Lindell, M.K. (1986). Source credibility in volcanic hazard information. *Volcano News*, 22 (12), 7-10.
7. Lindell, M.K. & Perry, R.W. (1991). Understanding evacuation research. *International Journal of Mass Emergencies and Disasters*, 9, 133-136.
8. Lindell, M.K. (1995). Managing environmental threats to sustainable economic development. In R.L. Bras (ed.) *Proceedings of the Workshop on Sustainable Development in Urban Areas of the Americas*, pp 192-199. Cambridge MA: Massachusetts Institute of Technology.
9. Lindell, M.K., Prater, C.S., Perry R.W. & *Wu, J.Y. (2002). Recent developments in hurricane evacuation time estimation. *Proceedings of the 2002 US/Taiwan Workshop on Hazard Mitigation*, pp. 12-1—12-8.
10. Lindell, M.K. & Prater, C.S. (2002). Development of a decision support system for hurricane evacuation management. *Proceedings of the 2002 US/Japan Workshop on Wind Engineering*, pp 283-294.
11. Lindell, M.K. & Prater, C.S. (2002). Development of a decision support system for evacuation management. *Proceedings of the First International Conference on Debris-Flow Disaster Mitigation Strategy*, pp. 47-71.
12. Lindell, M.K. & Brooks, H. (2013). Research needs for severe weather research: An introduction. *International Journal of Mass Emergencies and Disasters*, 31, 335-339.

SCIENTIFIC PEER REVIEWS

Foreign Scientific Agencies

Formas-Swedish Research Council for Sustainable Development; French Embassy Office for Science and Technology Chateaubriand Fellowship Program; French National Research Agency; Japan Foundation Center for Global Partnership; New Zealand Earthquake Commission Research Foundation; New Zealand Institute of Geological and Nuclear Sciences; New Zealand Foundation for Research, Science, and Technology; New Zealand Ministry of Science and Innovation; Social Science and Humanities Research Council of Canada; Research Grants Council of Hong Kong; UK Natural Environment Research Council; US-Israel Binational Science Foundation

State Agencies

Michigan State Police, Emergency Management Division; South Carolina Space Grant Consortium; Louisiana Sea Grant

Universities

University of Washington (Department of Family Medicine), Pennsylvania State University College of Medicine (Department of Behavioral Science), University of Pittsburgh (University Center for Social and Urban Research), University of Southern California (Institute of Safety and Systems Management), Clark University (Center for Technology, Environment and Development)

Publishers: Bentham Science Publishers, Lawrence Erlbaum Associates, Routledge Press, Taylor & Francis, John Wiley, Island Press, Johns Hopkins University Press

U.S. Federal Agencies

- National Science Foundation: Community Water Management Program, Applied Science/Research Applications Directorate, Earthquake Hazards Mitigation Program, Decision/Risk/Management Science Program, Biological and Critical Systems Program, Information Technology Research Program, Geography and Regional Science Program, Civil and Mechanical Systems Division (Infrastructure Management and Extreme Events), Time-Sharing Experiments for the Social Sciences
- Environmental Protection Agency, Office of Research and Development

SCIENTIFIC PEER REVIEWS (continued)

- US Department of Agriculture, Forest Service
- US Department of Homeland Security, Science and Technology Directorate
- US Department of Health and Human Services, Centers for Disease Control and Prevention
- United States Civilian R&D Foundation for the Independent States of the Former Soviet Union
- National Laboratories: Brookhaven National Laboratory (Department of Nuclear Energy), Argonne National Laboratory (Energy and Environmental Systems Division), Oak Ridge National Laboratory (Energy Division; Director's Research and Development Fund), Lawrence Livermore Laboratory

SCIENTIFIC JOURNAL AD HOC REVIEWS

Academy of Management Review; Accident Analysis & Prevention; American Journal of Preventive Medicine; American Psychologist; Applied Psychological Measurement; Applied Volcanology; Area; Atmosphere; Basic and Applied Social Psychology; Biosecurity and Bioterrorism; Building Research & Information; Bulletin of the American Meteorological Society; Climatic Change; Demography; Disasters; Earthquake Spectra; Earthquake Engineering and Structural Dynamics; Educational & Psychological Measurement; Environment and Behavior; Environment and Planning B; Environmental Hazards; Environmental Health Insights; Environmental Management; Environmental Research; Environmental Science and Policy; European Journal of Operational Research; Frontiers Psychology; Global Environmental Change; Habitat International; Health Education Research; Health Security; Human and Ecological Risk Assessment; IEEE Systems Journal; International Journal of Disaster Risk Reduction; International Journal of Emergency Management; International Journal of Engineering and Technology Innovation; International Journal of Erosion Control Engineering; International Journal of Mass Emergencies and Disasters; International Journal of Sustainable Transportation; International Journal of Urban Sciences; Journal of African Earth Sciences; Journal of the American Planning Association; Journal of Applied Psychology; Journal of Applied Social Psychology; Journal of Applied Volcanology; Journal of the Chinese Institute of Engineers; Journal of Contingencies and Crisis Management; Journal of Disaster Research; Journal of Environmental Psychology; Journal of Flood Engineering; Journal of Flood Risk Management; Journal of Hazardous Materials; Journal of Housing and the Built Environment; Journal of Hydrology; Journal of Information Science; Journal of Management Education; Journal of Marine Science and Engineering; Journal of Occupational and Organizational Psychology; Journal of Planning Education and Research; Journal of Planning Literature; Journal of Public Management and Social Policy; Journal of Risk Research; Journal of Transportation Engineering; Journal of Urban Affairs; Modelling and Simulation in Engineering; Multivariate Behavioral Research; Natural Hazards Review; Nature Climate Change; Nuclear Safety; Organizational Behavior and Human Decision Processes; Organizational Research Methods; Personality and Individual Differences; Personnel Psychology; PLOS One; Policy Studies Journal; Progress in Disaster Science; Process Safety and Environmental Protection; Professional Psychology; Psychological Methods; Public Administration Review; Public Health Reports; Public Performance & Management Review; Regulation & Governance; Reliability Engineering & System Safety; Resources; Risk Analysis; Smart and Sustainable Built Environment; Sensors; Social Indicators Research; Social Science Quarterly; Society & Natural Resources; Socio-Economic Planning Sciences; Sociological Perspectives;

SCIENTIFIC JOURNAL AD HOC REVIEWS (continued)

State and Local Government Review; Environmental Professional; The Professional Geographer; The Science of the Total Environment; The Service Industries Journal; Transportation; Transportation Research A: Policy and Practice; Transportation Research C: Emerging Technologies; Transportation Research Part D: Transport and Environment; Transportation Research E: Logistics and Transportation Review; Transportation Research Record; Vaccine; Water Research; Weather, Climate and Society.

NATIONAL ACADEMY OF SCIENCES/NATIONAL RESEARCH COUNCIL PRESENTATIONS AND WORKSHOPS

1. Lindell, M.K. (2002). Community emergency preparedness for terrorist threats. *Disasters Roundtable Forum on Countering Terrorism: Lessons Learned from Natural and Technological Disasters*.
2. Lindell, M.K. (2003). Research needed to support the emergency manager of the future. *Disasters Roundtable Forum on The Emergency Manager of the Future* (presented again at the *Workshop on Designing Educational Opportunities for the Hazard Manager of the 21st Century*, sponsored by the National Science Foundation and Federal Emergency Management Agency).
3. Lindell, M.K. (2004). Risk perception/communication about high level radioactive waste transportation. *Committee on Transportation of Radioactive Wastes*.
4. Lindell, M.K. and Prater, C.S. (2007). Multi-hazard evacuation modeling in disasters. *Disasters Roundtable Forum on Creating and Using Multi-Hazards Knowledge and Strategies*.
5. Lindell, M.K. and Prater, C.S. (2008). Tsunami warning and protective response. *Committee on Review of the Tsunami Warning and Forecast System and Overview of the Nation's Tsunami Preparedness*.
6. Lindell, M.K. (2009). Workshop on *National Earthquake Resilience—Research, Implementation, and Outreach*.
7. Lindell, M.K. (2010). What do we already know about processes by which individuals and organizations respond to hazards? Workshop on *Public Responses to Alerts and Warnings on Mobile Devices*.
8. Lindell, M.K. (2013). Coastal residents' responses to storm surge risk. *Committee on U.S. Army Corps of Engineers water Resources Science, Engineering, and Planning: Coastal Risk Reduction*.
9. Lindell, M.K. (2017). Social and behavioral science research perspectives. *Committee on Advancing Social and Behavioral Science Research and Application Within the Weather Enterprise*.

EXPERT PANELS AND WORKSHOPS

1. Lindell, M.K. (1984). Public Forum on the Operation of the Shoreham Nuclear Power Plant, sponsored by Scientists and Engineers for Secure Energy.
2. Lindell, M.K. (1986). Public Hearing on the Operation of the Pilgrim Nuclear Power Plant, sponsored by the Plymouth Board of Selectmen and Boston Edison Company.
3. Lindell, M.K. (1986-1989). Litigation of Long Island Lighting Company Application for Operating License for Shoreham Nuclear Power Station, conducted by the U.S. Nuclear Regulatory Commission Atomic Safety and Licensing Board. Dockets 50-322-OL-3 (Emergency Planning) and -OL-5 (Emergency Exercise Performance).
4. Lindell, M.K. (1989). Videoconference on *Protective Actions for Hazardous Materials*, broadcast over the Emergency Education Network by the Department of Transportation, Federal Emergency Management Agency and Environmental Protection Agency.
5. Lindell, M.K. (1992). National Workshop on *Assessment of Research on Natural Hazards*, sponsored by the National Science Foundation.
6. Lindell, M.K. (1992-1993). Litigation of GAF Chemical Corporation's Application for the Siting of a Hazardous Waste Facility in Linden, New Jersey conducted by the State of New Jersey Office of Administrative Law. OAL Docket EHS 01122-91S; Agency Docket HWFSC-1.
7. Lindell, M.K. (1993). National Workshop on *The Future of Local Emergency Planning Committees*, sponsored by the Environmental Protection Agency.
8. Lindell, M.K. (1993). National Workshop on *Communicating with the Public Before, During, and After Chemical Emergencies*, sponsored by the Environmental Protection Agency.

EXPERT PANELS AND WORKSHOPS (continued)

9. Lindell, M.K. (2002). National Workshop on *Safety of Hazardous Materials Transported by Rail*, sponsored by the General Accounting Office.
10. Lindell, M.K. (2002). National Workshop on *Effective Hazard Warnings*, sponsored by the Federal Emergency Management Agency/ National Science Foundation/National Weather Service/US Geological Survey.
11. Lindell, M.K. (2003). National Workshop on *The Legacy of Earthquake Engineering*, sponsored by the Earthquake Engineering Research Institute.
12. Lindell, M.K. (2005). National Workshop on *Communicating with the Public Using ATIS during Disasters*, sponsored by the Department of Transportation/Federal highway Administration.
13. Lindell, M.K. (2006). National Workshop to *Develop a Strategic Plan for Tsunami Research*, sponsored by the National Science Foundation and the National Oceanic and Atmospheric Administration.
14. Lindell, M.K. (2006). Workshop on *Assessing Disaster Preparedness*, sponsored by the Fritz Institute.
15. Lindell, M.K. (2006). Workshop to *Review the Tsunami Preparedness Guidebook*, sponsored by GeoHazards International.
16. Lindell, M.K. (2006). Workshop on *Building NOAA's Weather and Water Social Science Program*, sponsored by the National Oceanographic and Atmospheric Administration.
17. Lindell, M.K. (2007). Workshop on *Rethinking Egress*, sponsored by the National Institute for Standards and Technology.
18. Lindell, M.K. (2009). Testimony on the *Reauthorization of the National Earthquake Hazards Reduction Program: R&D for Disaster Resilient Communities*, before the U.S. House of Representatives Committee on Science and Technology, Subcommittee on Technology and Innovation.

INTERNATIONAL WORKSHOPS

1. Lindell, M.K. (1985). Workshop on *Risk Analysis in Developing Countries*, sponsored by the Administrative Staff College of India, held in Hyderabad India.
2. Lindell, M.K. (1989). Workshop on *Communication about Energy and Environment*, organized by the Institut de Recherches Internationales, Universite de Paris-Dauphine, held in Paris, France.
3. Lindell, M.K. & Perry, R.W. (1990). Workshop on *Prediction and Perception of Natural Hazards*, sponsored by the U.S. National Science Foundation and the National Research Council of Italy in Perugia Italy.
4. Lindell, M.K. (1989). Workshop on *Sustainable Development in Urban Areas of the Americas*, held at the Universidad de Chile, held in Santiago Chile, 1994.
5. Lindell, M.K. (1999). Workshop on *Next Generation Internet Applications*, sponsored by the U.S. National Science Foundation and the Taiwanese National Science Council at the National Center for High-Performance Computing, held in Hsinchi Taiwan.
6. Lindell, M.K. & Prater, C.S. (1999). Workshop on *Community Hazards Awareness and Hazards Mitigation Learning*, sponsored by the Taiwanese National Science and Technology Program for Hazards Mitigation at National Taiwan University, held in Taipei Taiwan.
7. Lindell, M.K. (2000). Workshop on *To Revise, Update, and Extend TECDOC-953 on Nuclear and Radiological Emergency Preparedness*, sponsored by the International Atomic Energy Agency, held in Vienna Austria,.
8. Lindell, M.K. (2000). Workshop on *To Develop the Structure for a Safety Guide on Nuclear and Radiological Emergency Preparedness*, sponsored by the International Atomic Energy Agency, held in Vienna Austria.
9. Lindell, M.K. & Prater, C.S. (2001). Conference on *Cities on Volcanoes II*, held in Auckland New Zealand.
10. Lindell, M.K. & Prater, C.S. (2002). Workshop on *Debris-Flow Disaster Mitigation Strategies*, held in Taipei Taiwan.
11. Lindell, M.K., Prater, C.S., Perry, R.W. & *Wu, J.Y. (2002). Recent developments in hurricane evacuation time estimation. *U.S.-Taiwan Conference on Natural Disaster Mitigation*, held in Washington DC.
12. Lindell, M.K. & Prater, C.S. (2002). Development of a decision support system for hurricane evacuation management. *U.S.-Japan Workshop on Wind Engineering*, held in Seattle Washington.
13. Lindell, M.K. & Prater, C.S. (2003). *Seminário Internacional de Catástrofes*, held in São Carlos Brasil.

INTERNATIONAL WORKSHOPS (continued)

14. Lindell, M.K., Perry, R.W. & Prater, C.S. (2005). Organizing response to disasters with the Incident Command System/Incident Management System (ICS/IMS). *International Workshop on Emergency Response and Rescue*, held in Taipei Taiwan.
15. Lindell, M.K. (2006). Workshop on *To Develop a Guide on Radiation Emergency Preparedness*, sponsored by the International Atomic Energy Agency, held in Salt Lake City.
16. Lindell, M.K. & Prater, C.S. (2006). Hurricanes Katrina and Rita: Scientific surprises and policy failures. Workshop on *Le Cyclone Katrina: Quelles Leçons pour L'Europe*, sponsored by the Association Française pour la Prévention des Catastrophes Naturelles in Paris France.
17. Lindell, M.K. (2007). *Natech Workshop*, sponsored by the European Commission Joint Research Centre, held in Stresa Italy.
18. Lindell, M.K. & Prater, C.S. (2007). Critical Behavioral Assumptions in Evacuation Time Estimate Analysis for Private Vehicles: Examples from Recent U.S. Research, *Second International Conference on Urban Disaster Reduction*, held in Taipei, Taiwan.
19. Lindell, M.K. (2007). EMBLEM2: An Empirically Based Large-Scale Evacuation Time Estimate Model for Hurricane Evacuation Analysis, *Second International Conference on Urban Disaster Reduction*, held in Taipei, Taiwan.
20. Lindell, M.K. & Prater, C.S. (2008). Disaster Response and Recovery: The Cases of Hurricanes Katrina and Rita. *Study Course on Disaster Emergency Response and Recovery*. Sponsored by Asia-Pacific Economic Cooperation, held in Beijing, China.
21. Lindell, M.K. (2008). *Society's Resilience in Withstanding Disaster*. Sponsored by the Ditchley Foundation, held in Oxford, UK.
22. Lindell, M.K. & Prater, C.S. (2011). *Hurricane Evacuation: Officials' Decisions and Household Behavior*. I Colóquio de Gestão Do Risco e Resiliência. Sponsored by Petrobras, held in Niteroi Brazil.
23. Lindell, M.K. (2014). Communicating Hurricane Risks To Local Officials For Protective Action Decision Making. *Workshop of the COST Action IS1304: Expert Judgment Network: Bridging the Gap Between Scientific Uncertainty and Evidence-Based Decision Making*, held in Rome Italy.
24. Lindell, M.K. (2014). The Dynamics of Communicating and Acting on Natural Hazards: The Past and Future Evolution of Risk Communication Models. *International Symposium on Risk Communication*, held in Tokyo Japan.

PRESENTATIONS

1. Lindell, M.K. (1976). *Assessment of social values in nuclear waste disposal*. Western Psychological Association.
2. Lindell, M.K. & Maynard, W.S. (1976). *Interchange of technical information and public beliefs in energy decisionmaking*. Western Psychological Association.
3. Drexler, J.A., Jr. and Lindell, M.K. (1976). *Training/job fit and worker satisfaction*. Western Psychological Association.
4. Lindell, M.K. (1978). *Jackknife, ridge and ordinary least squares estimators of regression parameters: A Monte Carlo comparison*. Psychometric Society.
5. Lindell, M.K. and Drexler, J.A., Jr. (1978). *Issues in using survey methods for measuring organizational change*. Western Psychological Association.
6. Lindell, M.K. (1979). *Equal vs. differential predictor weights: testing hypotheses and estimates with restricted regression models*. Psychometric Society.
7. Lindell, M.K., Earle, T.C., and Perry, R.W. (1979). *Radioactive wastes: public attitudes toward disposal facilities*. American Nuclear Society.
8. Lindell, M.K. (1980). *Ridge and ordinary least squares estimators of relative weights in regression analysis*. Psychometric Society.
9. Lindell, M.K., Perry, R.W. and Greene, M.R. (1980). *Race and disaster warning response*. Pacific Sociological Association.

PRESENTATIONS (continued)

10. Lindell, M.K., Perry, R.W. and Greene, M.R. (1980). *Consistency of attitudes and behavior related to nuclear power*. Western Psychological Association.
11. Greene, M.R., Perry, R.W. and Lindell, M.K. (1981). *Citizen perception of public action*. Western Political Science Association.
12. Lindell, M.K., Perry, R.W. and Greene, M.R. (1981). *Individual response to emergency preparedness planning*. Western Social Science Association.
13. Lindell, M.K., Perry, R.W. and Greene, M.R. (1981). *Social and psychological factors affecting evacuation decisionmaking*. American Psychological Association.
14. McGuire, M.V., Lindell, M.K. and Walsh, M.E. (1981). *Law enforcement response to an investigative innovation*. American Psychology Law Society.
15. Perry, R.W., Greene, M.R. and Lindell, M.K. (1981). *Evacuation behavior during the May 18th eruption of Mt. St. Helens*. Pacific Sociological Association.
16. Bolton, P.A., Perry, R.W., Lindell, M.K. and Greene, M.R. (1981). *Hazard experience and warning response of older persons*. Gerontological Society of America.
17. Lindell, M.K. (1982). *Judgments, values and the management of conflict over nuclear waste*. International Conference on Social Impact Assessment.
18. Earle, T.C. and Lindell, M.K. (1982). *Public perceptions of industrial risks*. Society for Risk Analysis.
19. Lindell, M.K. and Earle, T.C. (1982). *How close is close enough: public perceptions of the risks of industrial facilities*. Society for Risk Analysis.
20. Perry, R.W., Lindell, M.K. and Huffnagel, R. (1982). *Implications of collective behavior theory for civil defense programs*. Pacific Sociological Association.
21. Lindell, M.K. and Perry, R.W. (1982). *Protective action recommendations: how would the public respond?* American Nuclear Society.
22. Lindell, M.K. and *Southwick, L.L. (1982). *An analysis of information integration using free response data*. American Psychological Association.
23. Southwick, L.L., Lindell, M.K. and Earle, T.C. (1982). *Attitude polarization in public issues: the roles of cognitive complexity, evaluative consistency and issue importance*. Washington State Psychological Association.
24. Lindell, M.K. (1982). *Development of a design for the Nuclear Regulatory Commission's emergency operations center*. Human Factors Society.
25. Hansvick, C. Archea, J., Hanson, H., Keating, J., Lindell, M.K. and Wise, J.A. (1983). *Designing for personal control in hazards and disasters*. Environmental Design Research Association.
26. Lindell, M.K. (1983). *Analysis of emergency staffing for nuclear power plants*. Human Factors Society.
27. Lindell, M.K., Moeller, P.A. and Renner, M.S. (1984). *Offsite response considerations for appropriate protective actions*. American Nuclear Society.
28. Lindell, M.K. and Perry, R.W. (1984). *Social psychological processes and personal risk assessment*. Society for Risk Analysis.
29. Lindell, M.K. (1985). *Tukey's "jackknife" in theory and in practice*. American Psychological Association.
30. Lindell, M.K. (1985). *Decision criteria for sheltering or evacuating medical facilities in radiological and hazardous materials incidents*. Association for the Advancement of Medical Instrumentation.
31. Lindell, M.K. (1989). *Disasters in the application of I/O Psychology: Designing and staffing emergency response organizations*. Society for Industrial and Organizational Psychology Doctoral Consortium.
32. Lindell, M.K. (1990). *Social systems issues in high level radioactive waste management*. International Conference on High Level Radioactive Waste Management.
33. Lindell, M.K., *Landis, R.S. & *Quiñones, M.A. (1991). *Employee response to job loss: An emergency decision making approach*. Society for Industrial and Organizational Psychology.
34. Lindell, M.K. (1991). *Risk communication and emergency response*. Society for Risk Analysis (Michigan Chapter).

PRESENTATIONS (continued)

35. Lindell, M.K. & *Whitney, D.J. (1992). *Team climate and the effectiveness of Local Emergency Planning Committees*. Hazards Research and Applications Workshop.
36. Lindell, M.K. (1993). *Assessing emergency preparedness in support of hazardous facility risk analyses*. Society for Risk Analysis.
37. *Futch, C.J., Lindell, M.K. & *Clause, C.S. (1994). *Attitudinal and behavioral effects on household chemical disposal practices*. American Psychological Society.
38. Lindell, M.K., *Whitney, D.J., *Futch, C.J. & *Clause, C.S. (1994). *An assessment of community emergency planning organizations in three states*. Hazards Research and Applications Workshop.
39. Lindell, M.K. (1994). *State of the art in psychological research on disasters*. Hazards Research and Applications Workshop.
40. Lindell, M.K. & Perry, R.W. (1994). *The protective action decision model*. International Sociological Association.
41. Lindell, M.K. (1994). *Are Local Emergency Planning Committees effective in developing community disaster preparedness?* American Society for Public Administration.
42. Lindell, M.K., Whitney, D.J., Futch, C.J. & Clause, C.S. (1995). *Organizational correlates of effective LEPCs*. Hazards Research and Applications Workshop.
43. Lindell, M.K. & Perry, R.W. (1995). *Earthquake-initiated hazmat releases: A preliminary assessment*. Hazards Research and Applications Workshop.
44. Lindell, M.K., *Whitney, D.J., *Futch, C.J. & *Clause, C.S. (1995). *Organizational assessment of the Muskegon LEPC*. American Sociological Association.
45. Lindell, M.K. & Perry, R.W. (1996). *Earthquake damage and hazard adjustment by hazardous materials facilities following the Northridge earthquake*. Earthquake Engineering Research Institute.
46. Perry, R.W. & Lindell, M.K. (1996). *Emergency response challenges in the Northridge earthquake: The impacts of earthquake-induced hazmat releases*. National Disaster Medical System Conference.
47. Lindell, M.K. & Perry, R.W. (1996). *Emergency planning by municipal and county government organizations*. National Disaster Medical System Conference.
48. Lindell, M.K. & Perry, R.W. (1996). *Integrating hazardous materials emergency response planning into the earthquake management environment*. National Disaster Medical System Conference.
49. Lindell, M.K. & *Brandt, C.J. (1996). *Measuring inter-rater agreement using $r_{wg(j)}$* . Society for Industrial and Organizational Psychology.
50. Lindell, M.K. (1996). *Disaster planning organizations and I/O Psychology: An overview*. Society for Industrial and Organizational Psychology.
51. Lindell, M.K. (1996). *Multi-method assessment of organizational effectiveness in a Local Emergency Planning Committee*. Society for Industrial and Organizational Psychology.
52. Lindell, M.K. (1996). *Real world constraints to implementing hazard adjustments*. Hazards Research and Applications Workshop.
53. Lindell, M.K. (1996). *Emergency preparedness and response: Major advances in the past twenty years*. Hazards Research and Applications Workshop.
54. *Brandt, C.J. & Lindell, M.K. (1996). *Climate consensus as a mediator of the relationship between organizational structure and effectiveness*. Academy of Management.
55. Lindell, M.K. & Perry, R.W. (1996). *Earthquake initiated hazmat releases: An assessment*. International Conference and Exposition on Natural Disaster Reduction.
56. Lindell, M.K. (1997). *Local Emergency Planning Committees: Community based organizations for toxic chemical hazard management*. Hazards Research and Applications Workshop.
57. Lindell, M.K. (1997). *Household adoption of seismic adjustments: A research design*. Hazards Research and Applications Workshop.
58. Lindell, M.K., *Brandt, C.J. & *Whitney, D.J. (1998). *A revised index of agreement for multi-item ratings of a single target*. Society for Industrial and Organizational Psychology.

PRESENTATIONS (continued)

59. Lindell, M.K. & *Whitney, D.J. (1998). *Correlates of seismic hazard adjustment adoption*. Hazards Research and Applications Workshop.
60. Lindell, M.K., (1999). *Assessing and testing interrater agreement in multi-item rating scales*. Society for Industrial and Organizational Psychology.
61. Lindell, M.K. and *Prater, C.S. (1999). *Household adoption of seismic hazard adjustments: A comparison of residents in two states*. Hazards Research and Applications Workshop.
62. Lindell, M.K. and *Prater, C.S. (2000). *Risk area residents' perceptions of seismic hazard adjustments*. Hazards Research and Applications Workshop.
63. Lindell, M.K. (2000). *Getting the disciplines to work together*. Hazards Research and Applications Workshop.
64. Lindell, M.K. & *Prater, C.S. (2000). *Community management of environmental hazards: Household response to earthquakes*. Association of Collegiate Schools of Planning.
65. Lindell, M.K., (2001). *Assessing climate consensus effects using Multiple Moment Analysis (MMA) and Within and Between Analysis (WABA)*. Society for Industrial and Organizational Psychology.
66. Lindell, M.K. (2002). *Analyzing interrater agreement with and without disattenuation*. Society for Industrial and Organizational Psychology.
67. Lindell, M.K., Prater, C.S., Perry R.W., & *Wu, J.Y. (2002). *EMBLEM: An empirically based large-scale evacuation time estimate model*. Hazards Research and Applications Workshop.
68. *Hwang, S.N., *Lee, S.W. & Lindell, M.K., (2002). *Does environmental risk affect in-migration and duration of stay?* Hazards Research and Applications Workshop.
69. Lindell, M.K., (2003). *Achievements and challenges in research on climate and culture strength*. Society for Industrial and Organizational Psychology.
70. Lindell, M.K., (2003). *Interrater agreement*. Society for Industrial and Organizational Psychology.
71. Peacock, W.G., Lindell, M.K. & Prater, C.S. (2003). *Effects of uncertainty on evacuation decisions by households and local officials*. Hazards Research and Applications Workshop.
72. Lindell, M.K., Prater, C.S. & *Lu, J.C. (2004). *Household evacuation decision making in Hurricane Lili*. Hazards Research and Applications Workshop.
73. Prater, C.S., Peacock, W.G., Lindell, M.K., *Lu, J.C. & *Zhang, Y & (2004). *GIS based analysis of socioeconomic vulnerability to disasters*. Hazards Research and Applications Workshop.
74. Lindell, M.K., Prater, C.S., Perry, R.W. & Peacock, W.G. (2004). *Managing evacuations from tropical cyclones*. Hazards 2004.
75. *Arlikatti, S. & Lindell, M.K. (2004). *Perceived stakeholder characteristics and adoption of seismic hazard adjustments: A survey of California and Washington residents*. Hazards Research and Applications Workshop.
76. *Arlikatti, S. & Lindell, M.K. (2004). *Hurricane risk management in the Rio Grande Valley Study Area. Sustainable development in the Rio Bravo/ Rio Grande borderlands*. Texas A & M University, Kingsville, TX.
77. *Arlikatti, S. & Lindell, M.K. (2004). *Risk area population's risk area accuracy – Texas Gulf Coast*. South Western Social Science Association.
78. *Zhang, Y., Lindell, M.K. & Prater, C.S. (2004). *Modeling and managing the vulnerability of community businesses to environmental disasters*. Association of Collegiate Schools of Planning.
79. *Arlikatti, S. & Lindell, M.K. (2006). *The role of knowledge, trust, responsibility, and stakeholder interactions in garnering partnerships for seismic safety*. Association of Collegiate Schools of Planning.
80. *Arlikatti, S., Lindell, M.K. & Prater, C.S. (2006). *Building trust among community stakeholders, understanding and responding to terrorism: A multidimensional approach*. Advanced Research Workshop hosted by NATO and Turkish Institute of Police Studies
81. Lindell, M.K. & Perry, R.W. (2007). *Local Emergency Planning Committees: Community organizations for managing the risks of natural and technological hazards*. International Institute for Applied Systems Analysis/Disaster Prevention Research Institute Forum.
82. Lindell, M.K. & *Hwang, S.N. (2007). *Households' perceived personal risk and responses in a multi-hazard environment*. Society for Risk Analysis.

PRESENTATIONS (continued)

83. *Ge, Y., Peacock, W.G., & Lindell, M.K. (2009). *Design hazard mitigation incentives for local residents: Florida single-family household response to hurricane mitigation incentives*. Natural Hazards Research & Applications Workshop.
84. *Ge, Y., Peacock, W.G. & Lindell, M.K. (2009). *Florida households' responses to hurricane mitigation incentives*. Association of Collegiate Schools of Planning.
85. *Terpstra, T. & Lindell, M.K. (2009). *Citizens' perceptions of flood hazard adjustments: An application of the Protective Action Decision Model*. Society for Risk Analysis.
86. *Ge, Yue & Lindell, M.K. (2010). *Do better land use tools result in less natural hazard damage?* Association of Collegiate Schools of Planning.
87. *Huang, S.K., Lindell, M.K. & Prater, C.S. (2010). *Household evacuation decision making in response to Hurricane Ike*. Natural Hazards Research and Applications Workshop.
88. *Ge, Y. & Lindell, M.K. (2011). *Modeling planners' perceptions of land use planning tools in the U.S. Pacific states*. Natural Hazards Research & Application Workshop.
89. *Huang, S.K., Lindell, M.K., Mumpower, J. & *Wu, H.C. (2011). *Risk perceptions and protective actions in a water contamination emergency*. Natural Hazards Research and Applications Workshop.
90. *Wu, H.C., Lindell, M.K., Prater, C.S. & *Huang, S.K. (2011). *Effects of hurricane track and threat information on judgments of strike probability*. Natural Hazards Research and Applications Workshop.
91. *Ge, Y. & Lindell, M.K. (2011). *Do better land use tools result in less natural hazard damage? An examination of planners' perceptions*. International Research Committee on Disasters Researchers Meeting.
92. *Wu, H.C., Lindell, M.K., & Prater, C.S. (2011). *Logistics of hurricane evacuation in Hurricanes Katrina and Rita*. International Research Committee on Disasters Researchers Meeting.
93. Huang, S.K., Lindell, M.K., Mumpower, J., & Wu, H.C. (2011). *Residents' protective actions in Boston water contamination emergency*. Association of Collegiate Schools of Planning
94. Zechman, E. M., Brumbelow, K., Lindell, M., Mumpower, J., Rasekh, A., & Shafiee, M. (2011). *Agent-based modeling for planning emergency response to contamination emergencies in water utilities*. NSF CMMI Engineering Research and Innovation Conference.
95. *Ge, Y. & Lindell, M.K. (2012). *Coastal planners' perceptions of land use planning tools in the U.S. Pacific Coastal Counties*. Social Coast Forum 2012: Social Science for Coastal Decision-Making.
96. *Huang, S.K., Lindell, M.K., Prater, C.S., *Wu, H.C., & Shiroshita H. (2012). *Immediate behavioral response to the Tohoku earthquake*. Natural Hazards Research and Applications Workshop.
97. *Wu, H.C., Lindell, M.K., & Prater, C.S. (2012). *Communicating hurricane information*, International Research Committee on Disasters Researchers Meeting.
98. Lindell, M.K., Prater, C.S., *Huang, S-K., *Wu, H-C., Johnston, D. & Becker, J. (2012). *Immediate behavioral response to earthquakes in Christchurch New Zealand and Hitachi Japan*. Sixth Australasian Natural Hazards Management Conference.
99. *Wei, H-L., Lindell, M.K., & Prater, C.S. (2013). *"Certain death" from storm surge: A comparative study of Hurricanes Rita and Ike*. Natural Hazards Research and Applications Workshop.
100. Lindell, M.K., Prater, C.S., Gregg, C.E., *Apatu, E.J.I., *Huang, S-K. & *Wu, H-C. (2013). *Households' immediate responses to the 2009 American Samoa earthquake and tsunami*. Natural Hazards Research and Applications Workshop.
101. *Lin, C-C., Siebeneck, L.K., Lindell, M.K., Prater, C.S., *Wu, H-C. & *Huang, S-K. (2013). *Do we communicate reentry information effectively?* Natural Hazards Research and Applications Workshop.
102. *Huang, S-K., Ge, Y., Lindell, M.K., Prater, C.S. & *Wu, H-C. (2013). *Households' hurricane evacuation expectations in Rio Grande Valley*. Natural Hazards Research and Applications Workshop.
103. *Huang, S-K., Prater, C.S. & Lindell, M.K. (2013). *What affects households' hurricane evacuation decisions? A review of 20 years of hurricane evacuation studies*. International Research Committee on Disasters Researchers Meeting.
104. *Wu, H.C., Lindell, M.K. & Prater, C.S. (2013). *Process tracing analysis of hurricane information displays*. International Research Committee on Disasters Researchers Meeting.

PRESENTATIONS (continued)

105. Lindell, M.K., Prater, C.S. & *Huang, S-K. (2014). *Residents' responses to the May 1-4 2010 Boston water contamination incident*. International Sociological Association World Congress of Sociology.
106. Wu, H.C., Lindell, M.K. & Prater, C.S. (2014). *Perceptions of hurricane information and protective action decisions*. International Research Committee on Disasters Researchers Meeting.
107. *Wei, H-L., Lindell, M.K., Prater, C.S. & Huang, S-K. (2015). *Households' responses to the threat of Mt. Rainier volcano in Pierce County, Washington*. International Research Committee on Disasters Researchers Meeting.
108. Lindell, M.K., Wu, H-C, Prater, C.S., Huang, S-K., House, D.H. & Samuelson, C.D. (2015). *Visualizing uncertainty about environmental hazards*. Vis 2015 Workshop on Visualization for Decision Making Under Uncertainty.
109. Lindell, M.K., Huang, S-K., Wei, H-L., & Samuelson, C.D. (2015). *Perceptions and expected immediate reactions to tornado warning polygons*. American Geophysical Union Fall Conference.
110. Huang, S-K., Jon, I. & Lindell, M.K. (2016). *Perceptions and expected immediate reactions to severe storm displays*. Society for Risk Analysis.
111. Wu, H-C., Huang, S-K., Murphy, H., Lindell, M.K., House, D. (2018). *DynaSearch: A tool for social experiment study: An example of household tornado response*, Natural Hazards Research and Applications Workshop.
112. Lindell, M.K., Brand, B. & Dietrich, A. (2018). *Assessing the influence of cultural variables, perceptions, and earthquake hazard information on household emergency preparedness*. International Sociological Association.
113. Jon, I., Huang, S-K., Lindell, M.K., Wu, H-C (2018, July). *Perceptions and reactions to tornado warning polygons: Would a gradient polygon be useful?* International Sociological Association.
114. Lindell, M.K., Bostrom, A., Goltz, J.D., Prater, C.S. & House, D.H. (2019). *Social science evaluation of tsunami evacuation products*. Society for Risk Analysis.
115. Lindell, M.K., Bierling, D., Peacock, W.G., & Abuahara, A. (2020). *Hurricane Harvey evacuation*. National Hurricane Conference.

INVITED PRESENTATIONS

1. Lindell, M.K. (1983). *Perception of risk at nuclear waste disposal sites and power plants*. Pacific Lutheran University Center for the Study of Public Policy.
2. Lindell, M.K. (1983). *Emergency preparedness at nuclear power plants*. University of Washington Department of Environmental Health and Nuclear Engineering.
3. Lindell, M.K. (1983). *Design of emergency response facilities*. Pacific Northwest Laboratory Short Course in Emergency Planning.
4. Lindell, M.K. (1983). *Emergency public information*. Pacific Northwest Laboratory Short Course in Emergency Planning.
5. Lindell, M.K. (1984). *Emergency staffing*. Pacific Northwest Laboratory Short Course in Emergency Planning.
6. Lindell, M.K. (1984). *Emergency public information*. Pacific Northwest Laboratory Short Course in Emergency Planning.
7. Lindell, M.K. (1984). *Communicating risk information to the public: A review of research on natural hazards*. NSF/EPA Workshop on Risk Communication.
8. Lindell, M.K. (1985). Two lectures on *Protective action decision making*. and *Emergency public information*. Pacific Northwest Laboratory Short Course in Emergency Planning.
9. Lindell, M.K. (1985). *Social and political aspects of nuclear power plant emergency planning*. Health Physics Society Short Course on Emergency Planning.
10. Lindell, M.K. (1985). *Social response to the Mt. St. Helens eruptions*. University of Washington Extension Course on Mt. St. Helens.
11. Lindell, M.K. (1986). *Concerns about offsite response in a nuclear power plant emergency*. GPU Nuclear Annual Training Workshop for TMI Area Emergency Response Agencies.

INVITED PRESENTATIONS (continued)

12. Lindell, M.K. (1987). *Public response considerations and public information*. Federal Emergency Management Agency National Emergency Training Center Short Course on Evacuation Planning and Response Simulation (also taught in 1988).
13. Lindell, M.K. (1988). *Disaster psychology*. Federal Emergency Management Agency National Emergency Training Center Short Course on Multi-Hazard Planning (taught twice).
14. Lindell, M.K. (1988). *Risk communication: What to tell the public about emergency planning*. Michigan State University Center for Environmental Toxicology Seminar on Risk Communication.
15. Lindell, M.K. (1988). *Emergency planning for hazardous facilities*. American Society of Civil Engineers Specialty Conference on Hazardous Facilities: Siting, Permitting and Development.
16. Lindell, M.K. (1988). *Public perceptions of emergency response actions*. Environmental Protection Agency/Federal Emergency Management Agency Conference on Sheltering In-Place During Chemical Emergencies.
17. Lindell, M.K. & Palmer, D. (1989). *Evacuation versus in-place shelter during hazardous materials emergencies*. Annual Conference of the Virginia Association of Hazardous Materials Response Specialists and Virginia Department of Emergency Services.
18. Kamrin, M.A. & Lindell, M.K. (1990). *Risk communication*. Ingham County Local Emergency Planning Committee Risk Communication Workshop.
19. Lindell, M.K. (1990). *Public response to incidents*. Federal Emergency Management Agency Technical Orientation Workshop on Emergency Preparedness for Incidents at Army Chemical Weapons Depots.
20. Lindell, M.K. (1990). *Organizational response to incidents*. Federal Emergency Management Agency Technical Orientation Workshop on Emergency Preparedness for Incidents at Army Chemical Weapons Depots.
21. Lindell, M.K. (1993). *How people respond in emergencies: What influences them?* Federal Emergency Management Agency/Department of the Army Chemical Stockpile Emergency Preparedness Program (CSEPP) Emergency Broadcast System (EBS) Symposium.
22. Lindell, M.K. (1993). *How to motivate members and mobilize communities for LEPCs*. Michigan Emergency Management Workshop.
23. Lindell, M.K. & Whitney, D.J. (1993). *Assessing emergency preparedness for hazardous waste transportation and disposal*. Michigan Waste Management Conference.
24. Futch, C., Clatterbaugh, C.M. & Lindell, M.K. (1993). *Attitudes and perceptions associated with household hazardous waste*. Michigan Waste Management Conference.
25. Lindell, M.K. (1993). *Enhancing community emergency preparedness using organization development techniques*. Disaster Research Center, University of Delaware.
26. Lindell, M.K. (1993). *Enhancing the effectiveness of Local Emergency Planning Committees: Perspectives from Industrial/Organizational Psychology*. University of Maryland Department of Psychology.
27. Lindell, M.K. (1993). *Improving the effectiveness of Local Emergency Planning Committees: A psychological perspective*. George Washington University Department of Psychology.
28. Lindell, M.K. (1993). *Protective response by the public in natural and technological disasters*. Southern California Edison Annual Medical Seminar for San Onofre Area Hospitals.
29. Lindell, M.K. (1994). *Indiana LEPC survey results*. Indiana LEPC Conference.
30. Lindell, M.K. (1994). *Hazardous materials in the Northridge earthquake*. Northridge Earthquake Research Coordination Conference.
31. Lindell, M.K. (1995). *Overview of protective action decision making*. Risk Analysis Symposium: Integrating Onsite Risk Assessment and Offsite Implementation in Protective Action Decision Making.
32. Lindell, M.K. (1995). *Team climate and LEPC effectiveness*. Indiana LEPC Conference.
33. Lindell, M.K. (1995). *Protective action implementation by the public during chemical emergencies*. Protecting the Public: A conference on protective actions during chemical emergencies.
34. Perry, R.W. & Lindell, M.K. (1995). *Hazardous materials problems and solutions in earthquakes*. Western States Seismic Policy Council.

INVITED PRESENTATIONS (continued)

35. Lindell, M.K. (1995). *Characteristics of effective LEPCs*. National Governors' Association State Emergency Response Commission Conference.
36. Lindell, M.K. (1995). *How to improve LEPC effectiveness*. EPA Region III Chemical Emergency Preparedness and Prevention Conference.
37. Lindell, M.K. (1996). *Risk perception and risk communication*. Prince William Sound Risk Assessment Steering Committee Workshop on Risk Assessment, Risk Perception and Risk Communication.
38. Lindell, M.K. (1996). *Evaluating the effectiveness of Local Emergency Planning Committees*. George Washington University Administrative Sciences Program.
39. Lindell, M.K. (1997). *Enhancing the effectiveness of Local Emergency Planning Committees*. Texas A&M University College of Architecture.
40. Lindell, M.K. (1997). *Enhancing the effectiveness of Local Emergency Planning Committees*. Worcester Polytechnic Institute Department of Social Science and Policy Analysis.
41. Lindell, M.K. & Perry, R.W. (1997). *Hazardous materials releases and risk reduction following the Northridge earthquake*. Northridge Earthquake Research Conference.
42. Lindell, M.K. (1997). *Have Local Emergency Planning Committees been effective?* Toxics Release Inventory and Right-to-Know Conference.
43. Lindell, M.K. (1998). *Climate quality and climate consensus as mediators of the relationship between organizational antecedents and outcomes*. Tulane University Department of Psychology.
44. Lindell, M.K. (1998). *Improving the effectiveness of Local Emergency Planning Committees*. University of North Texas Institute of Emergency Administration & Planning.
45. Lindell, M.K. (1999). *Hazard reduction and recovery: Foundation for reconstruction and transformation*. Conference on Reconstruction and Transformation of Central America. Texas A&M University.
46. Lindell, M.K. (1999). *Recent developments in assessing interrater agreement*. Center for the Advancement of Research Methods and Analysis Mini-Conference on Research Methods for Organizational and Social Psychology. Virginia Commonwealth University.
47. Lindell, M.K. (1999). *A rapid approximate protective action decision (RAPAD) table for nuclear power plant accident response*. Federal Emergency Management Agency Technology Partnership for Emergency Management Workshop and Exhibition.
48. Lindell, M.K. (1999). *Prevention pays: But how do we get people to invest?* University of North Texas World Disaster Reduction Day.
49. Lindell, M.K. (2000). *Tsunami warning preparedness*. Oregon Department of Geology and Mineral Industries Coastal Workshop on Tsunami Preparedness.
50. Lindell, M.K. (2001). *Assessing community impacts of environmental disasters*. Cities on Volcanoes 2. Auckland, New Zealand.
51. Lindell, M.K. (2001). *Community response to a nuclear power plant accident*. Indian Point Nuclear Power Plant Offsite Emergency Preparedness Workshop.
52. Lindell, M.K. (2002). *Recent advances in emergency management information technology*. Federal Emergency Management Higher Education Workshop.
53. Lindell, M.K. (2003). *Assessing community impacts of environmental disasters*. Consequence-Based Engineering Institute.
54. Lindell, M.K. (2003). *The second assessment books*. FEMA Higher Education Workshop.
55. Lindell, M.K. (2003). *"Introduction to emergency management" electronic textbook*. FEMA Higher Education Workshop.
56. Lindell, M.K., Prater, C.S., & Peacock, W.G. (2004). *Models and methods of disaster impact assessment*. Mid-America Earthquake Center Annual Meeting.
57. Lindell, M.K. (2004). *The Protective Action Decision Model: Theoretical foundations, empirical support, and practical applications*. University of Texas at San Antonio Department of Psychology.
58. Lindell, M.K. & Prater, C.S. (2004). *Development of a hurricane evacuation management decision support system (EMDSS)*. Virginia Commonwealth University School of Government and Public Administration.

INVITED PRESENTATIONS (continued)

59. Lindell, M.K. & Prater, C.S. (2004). *Evacuation behavior in Hurricane Lili*. National Weather Service Lake Charles Regional Hurricane Conference.
60. Lindell, M.K. & Prater, C.S. (2004). *Estimating evacuation time components: Lessons from nuclear power plants, hurricanes, and the first World Trade Center bombing*. National Institute for Standards and Technology Workshop on Building Occupant Movement During Fire Emergencies.
61. Lindell, M.K. & Prater, C.S. (2004). *Organizational decision making and household response to tsunami evacuation warnings*. Tsunami Scenario Simulation Workshop.
62. Lindell, M.K. (2005). *Assessing community impacts of environmental disasters*. Consequence-Based Engineering Institute.
63. Lindell, M.K., Prater, C.S. & Peacock, W.G. (2005). *Organizational communication and decision making in hurricane emergencies*. National Weather Service Hurricane Forecast Socioeconomic Workshop.
64. Lindell, M.K. & Prater, C.S. (2005). *EMDSS: An Evacuation Management Decision Support System*. National Science Foundation.
65. Lindell, M.K. & Prater, C.S. (2005). *EMDSS: An Evacuation Management Decision Support System*. Hazards and Disasters Researchers Meeting.
66. Lindell, M.K., & Prater, C.S. (2005). *Emergency management for the facilities manager*. Facilities Management Industry Advisory Council.
67. Lindell, M.K., Prater, C.S. & Peacock, W.G. (2006). *Organizational communication and decision making in hurricane emergencies*. American Meteorological Society.
68. Lindell, M.K. (2006). *Hurricane science and engineering: Research needs in emergency preparedness and response*. National Science Board Committee on Hurricane Science and Engineering.
69. Lindell, M.K., & Prater, C.S. (2006). *Evacuation from Hurricane Katrina: Jefferson and St. Charles parishes*. National Hurricane Conference.
70. Lindell, M.K., & Al-Nammari, F. (2006). *Before disaster strikes: Plan for recovery*. Texas Historical Commission Annual Historic Preservation Conference. Also presented at International Symposium on the Development Experience and Management (Nantou Taiwan).
71. Lindell, M.K., & Prater, C.S. (2006). *Understanding evacuation demand*. Intelligent Transportation Systems America.
72. Lindell, M.K. (2006). *Hazard adjustment adoption: Theoretical, methodological, and practical issues*. American Marketing Association: Marketing and Public Policy Conference.
73. Lindell, M.K. & Prater, C.S. (2006). *Hurricane evacuation after Katrina/Rita: How much worse could it be?* American Meteorological Society 2nd Annual Community Meeting.
74. Arlikatti, S., Lindell, M. & Prater, S. (2006). *Building trust among community stakeholders*. NATO and TIPS Advanced Research Workshop on Understanding and Responding to Terrorism: A Multidimensional Approach.
75. Lindell, M.K. (2007). *Personal styles of incident management in emergencies, disasters, and catastrophes*. Wiley Faculty Network Guest Lecture Series.
76. Lindell, M.K., & Prater, C.S. (2007). *What caused the traffic jams in the Hurricane Rita evacuation?* National Hurricane Conference.
77. Lindell, M.K. (2007). *Organizational preparedness for public warnings*. Department of Homeland Security Workshop on Risk Communication and Warnings in Support of Protective Actions in Terrorist Events.
78. Lindell, M.K. (2007). *Pre-event public education for event-specific warnings*. Department of Homeland Security Workshop on Risk Communication and Warnings in Support of Protective Actions in Terrorist Events.
79. Lindell, M.K., & Sorensen, J.H. (2007). *Technologies available to deliver public warnings*. Department of Homeland Security Workshop on Risk Communication and Warnings in Support of Protective Actions in Terrorist Events.
80. Lindell, M.K. (2007). *Community impacts of environmental disasters*. University of Sao Paulo-Sao Carlos (Brazil) Department of Hydraulic and Sanitary Engineering.
81. Lindell, M.K. (2007). *Submitting manuscripts to journals: An editor's perspective*. Ming-Chuan (Taiwan) University Dept. of Urban Planning and Disaster Management.

INVITED PRESENTATIONS (continued)

82. Lindell, M.K., Prater, C.S., *Siebeneck, L. & Cova, T. (2009). *Hurricane Ike reentry*. National Hurricane Conference.
83. Lindell, M.K. (2009). *Rethinking the Emergency Alert System*. Natural Hazards Workshop.
84. Lindell, M.K., Prater, C.S. & *Wu, J.Y. (2009). *Post-disaster housing recovery: Comparison of the Northridge and Chi-Chi earthquakes*. Central U.S. Earthquake Consortium Board of Directors Meeting.
85. Lindell, M.K. (2010). *What we know about evacuation and what we still need to learn*. National Evacuation Conference.
86. Lindell, M.K. (2010). *The Protective Action Decision Model: Theoretical, methodological, and practical implications for crisis research*. CREATE Homeland Security Center Workshop on Risk Perception and Risk-Related Behaviors: Anticipating and Responding to Crisis.
87. Lindell, M.K. (2010). *Communicating hurricane information*. National Hurricane Conference.
88. Lindell, M.K. (2010). *The Protective Action Decision Model: Implications for increasing self-protective behavior*. Penn Symposium on Fostering and Financing Investments in Prevention and Protection.
89. Lindell, M.K., Prater, C.S. & House, D. (2011). *Communicating hurricane information*. NOAA-NSF Workshop on Risk Communications for Natural Hazards.
90. Lindell, M.K. (2011). *Evacuation modelling: Algorithms, assumptions, and data*. International Community on Information Systems for Crisis Response and Management.
91. Lindell, M.K. (2011). *Natural hazard risk reduction*. NSF Workshop for a Cross-Disciplinary Program for Disaster Resilience, Vulnerability, and Risk Reduction.
92. Lindell, M.K., Prater, C.S., *Huang, S-K., *Wu, HC., Johnston, D. & Becker, J. (2012). *Immediate behavioral response to earthquakes in New Zealand and Japan*. Earthquake Engineering Research Institute Japan and New Zealand RAPIDs and Research Needs Workshop. Presented again at the 2013 Pacific Risk Management 'Ohana and at the U.S. - New Zealand Joint Committee Meeting on Science and Technology Cooperation Science and Risk Communications Joint Workshop.
93. Lindell, M.K., *Wu, H-C., Prater, C.S., House, D. & *Cox, J. (2012). *Evaluation of information displays in hurricane threat assessment and comprehension*. National Hurricane Conference.
94. Lindell, M.K., Prater, C.S., *Huang, S-K., *Wu, HC., Gregg, C.E. & *Apatu, E. (2013). *Households' immediate responses to the 2009 Samoa earthquake and tsunami*. University of Hawai'i Manoa Department of Landscape Architecture and Urban Planning.
95. Wu, H-C., Lindell, M.K., Prater, C.S., Huang, S-K., House, D. & Cox, J. (2013). *Assessing patterns of information search in a hurricane tracking task using DynaSearch*. National Hurricane Conference.
96. Lindell, M.K. (2014). *The Protective Action Decision Model: Theoretical, methodological, and practical issues*. (E.L. Quarantelli Award for Contribution to Disaster Theory. International Research Committee on Disasters Researchers Meeting.
97. Lindell, M.K. (2014). *Altruistic behavior in disasters*. American Academy of Chest Physicians.
98. Lindell, M.K. (2014). *The Protective Action Decision Model: Recent research on disaster response*. (Arnold M. Small Safety Lecture). Human Factors and Ergonomics Society.
99. Lindell, M.K. (2014). *Evolving view on response communication*. University of Kentucky Workshop on Disaster Communication: Redesigned.
100. Lindell, M.K., *Wu, HC., Prater, C.S., *Huang, S-K., House, D.H. & Samuelson, C.D.. (2015). *Visualizing uncertainty about environmental hazards*. U.S. - New Zealand Joint Committee Meeting on Science and Technology Cooperation: Science and Risk Communications Joint Workshop.
101. Lindell, M.K. (2016). *21st Century issues in emergency management*. Taiwan Central Police University.
102. Lindell, M.K. (2016). *A career in emergency management*. University of Taipei.
103. Baker, J. & Lindell, M.K. (2018) *Public response to hurricane warnings*. National Hurricane Conference.
104. Lindell, M.K. (2018). *Preparação e respostas aos desastres ao nível domiciliar: Compreensão a partir do modelo de ação protetora para desastres causados por enchentes, terremotos e tsunamis*. Instituto Sagres.

TECHNICAL REPORTS

1. Lindell, M.K. (1974). *Factors Affecting Measures of Linear Achievement: Some Methodological Considerations*. Program on Judgment and Social Interaction, Report No. 167, Institute of Behavioral Science, University of Colorado.
2. Nealey, S.M., Thornton, G.C., Maynard, W.S. & Lindell, M.K. (1975). *Defining Research Needs to Insure Continued Job Motivation of Air Traffic Controllers in Future Air Traffic Control Systems*. Battelle Human Affairs Research Centers.
3. Hébert, J.A., Lindell, M.K., Maynard, W.S., Nealey, S.M. & Burnham, J.B. (1975). *Socially Weighted Linear Composites in Environmental Decision Making*. BNWL-B-467 UC-11, Battelle Pacific Northwest Laboratories.
4. Maynard, W.S., Nealey, S.M., Hébert, J.A. & Lindell, M.K. (1976). *Public Values Associated with Nuclear Waste Disposal*. BNWL-1997 UC-11, Battelle Pacific Northwest Laboratories.
5. Curry, M.G., Greene, M.R. & Lindell, M.K. (1977). *Energy Policy and Public Acceptance: Current and Future Directions*. BNWL-2084 RAP-15, Battelle Pacific Northwest Laboratories.
6. Lindell, M.K., Earle, T.C., Hébert, J.A. & Perry, R.W. (1978). *Radioactive Wastes: Public Attitudes Toward Disposal Facilities*. B-HARC-411-044.
7. Lindell, M.K. (1978). *Equal vs. Differential Predictor Weights: Testing Hypotheses and Estimates With Restricted Regression Models*. B-HARC-422-032.
8. Lindell, M.K. (1979). *Jackknife, Ridge and Ordinary Least Squares Estimators of Regression Parameters: A Monte Carlo Comparison*. B-HARC-422-031.
9. Lindell, M.K. & Earle, T.C. (1979). *Public Attitudes Toward Risk Tradeoffs in Energy Policy Choices*. B-HARC-411-025.
10. Greene, M.R., Lindell, M.K., Nealey, S.M. & Drexler, J.A., Jr. (1979). *Nuclear Waste Management and Environmental Mediation: An Exploratory Analysis*. B-HARC-411-029.
11. Lindell, M.K., Perry, R.W. & Greene, M.R. (1979). *Attitude-Action Consistency and Social Policy Related to Nuclear Power*. B-HARC-411-030.
12. Lindell, M.K., Earle, T.C. & Perry, R.W. (1979). *Social Issues and Energy Alternatives: The Context of Conflict over Nuclear Waste*. B-HARC-411-033.
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17. Earle, T.C. & Lindell, M.K. (1980). *The Role of the News Media in the Gasoline Crisis*. BHARC/411-80-002.
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59. Lindell, M.K. Graham, C.W. & Sanderson, W.G. (1999). *Hurricane Evacuation Shelter Project: Final Report*. College Station TX: Texas A&M University Hazard Reduction & Recovery Center.
60. Lindell, M.K. (2000). *Design guidelines for emergency operations centres*. College Station TX: Texas A&M University Hazard Reduction & Recovery Center (published as Appendix 10 in International Atomic Energy Agency, *Method for the Development of Emergency Response Preparedness for Nuclear or Radiological Accidents*, TECDOC-953).
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84. Lindell, M.K. *Designing Risk Communication Programs to Promote Adaptive Human Behavior During Earthquakes*. Report for GeoHazards International.
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87. Lindell, M.K., Bostrom, A., Goltz, J. & Prater, C.S. (2019). *Social Science Evaluation of Tsunami Evacuation Products, Part 1: Assessment of Textual, Graphical, and Numerical Features*. Seattle WA: Environmental Hazards Research Institute.

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88. Lindell, M.K., Prater, C.S. & House, D.H. (2019). *Social Science Evaluation of Tsunami Evacuation Products, Part 2: Survey Results*. Seattle WA: Environmental Hazards Research Institute.

PROFESSIONAL ACTIVITIES

- Member—American National Standards Institute/American Nuclear Society Committee on *Criteria for Emergency Response Facilities*, 1981–1982.
- Conference Organizer and Chair—American Society of Civil Engineers Specialty Conference on *Community Planning for Hazardous Facilities*, 1987–1988.
- Member—Academy of Management Personnel & Human Resources Division Annual Program Committee, 1988.
- Secretary—American Society of Civil Engineers Task Committee on *Natural Hazards Mitigation*, 1988–1989.
- Member—American Society of Civil Engineers Task Committee on *Natural Hazards Mitigation*, 1990.
- Program Committee Member and Lead Organizer for Social Systems Sessions—American Nuclear Society/American Society of Civil Engineers International Conference on *High Level Radioactive Waste Management*, 1988–1990.
- Business Manager—Society for Industrial and Organizational Psychology *The Industrial-Organizational Psychologist*, 1990–1992.
- Co-Editor—*International Journal of Mass Emergencies and Disasters* Special Issue on Evacuation Research, 1991.
- Member—American Society of Civil Engineers Task Committee on *Natural Disaster Reduction*, 1991–1994.
- Member—Ingham County Local Emergency Planning Committee, 1992–1995.
- Conference Organizing Committee Co-Chair—Michigan State University, Michigan State Police, Consumers Power, Detroit Edison, and Indiana Michigan Power Conference on *Protective Action Decision Making in Nuclear Power Plant Emergencies*, 1994.
- Advisory Committee Member—National Institute of Chemical Studies Conference on *Protective Action for the Public During Chemical Emergencies*, 1994.
- Member—National Science Foundation Assessment of Research and Applications on Natural Hazards Committee on *Emergency Planning and Response*, 1994–1995.
- Chair—National Science Foundation Assessment of Research and Applications on Natural Hazards Committee on *Mitigation Adoption, Implementation and Evaluation*, 1994–1996.
- Editor—*International Journal of Mass Emergencies and Disasters* Special Issue on Adoption, Implementation, and Evaluation of Natural Hazard Adjustments, 1996.
- Editor—*Journal of Hazardous Materials* Special Issue on Protective Action Decision Making in Nuclear Power Plant Emergencies, 1997–1999.
- Advisory Committee Member—International City/County Management Association *Disaster Resistant Communities Project*, 1996–1997.
- Senior Research Mentor—National Science Foundation Project: *Enabling the Next Generation of Hazards Researchers*, 1996–1997.
- Session Leader—Conference on *Toxics Release Inventory and Right-to-Know*, 1997.
- Member—Society for Industrial and Organizational Psychology Annual Program Committee, 1998.
- Co-Chair—Natural Hazards Researchers' Conference, 1998–2001.
- Member—Scientific Programme Committee, *Cities on Volcanoes 2*, 1999–2001.
- Member—American Society of Civil Engineers Council Committee on *Natural Disaster Reduction Policy*, 1999–2001.
- Secretary—American Society of Civil Engineers Council on Natural Disaster Reduction Executive Committee, 1999–2001.
- Fellow—Virginia Commonwealth University School of Business Center for the Advancement of Research Methods and Analysis, 2000–2004.
- Member—Steering Committee for the Research Grants Program of the Center for Disaster Management and Humanitarian Assistance, 2000–2001.

PROFESSIONAL ACTIVITIES (continued)

Visiting Scientist—Defense Threat Reduction Agency Program on *National Emergency Response Architecture*, 2001.

Research Mentor—National Science Foundation Project on *Enabling the Next Generation of Hazards Researchers*, 2002-2004.

Member—National Research Council Committee on *Disaster Research in the Social Sciences*, 2004-2005.

Member—National Research Council Committee on *Assessing Vulnerabilities Related to the Nation's Chemical Infrastructure*, 2004-2005.

Editor—*International Journal of Mass Emergencies and Disasters*, 2006-2010.

Review Committee Member—*National Tsunami Hazard Mitigation Program*, 2007.

Review Committee Member—U.S. Department of Homeland Security *National Consortium for the Study of Terrorism and Responses to Terrorism*, 2007.

Committee of Visitors Member—National Science Foundation. *Human and Social Dynamics Program Review*, 2008.

Member—National Earthquake Hazard Reduction Program's Advisory Committee on Earthquake Hazard Reduction, 2008-2012.

Editorial Board Member—*Encyclopedia of Natural Hazards*, 2009-2010.

Member—International Atomic Energy Agency Safety Report Committee on *Arrangement of Response to Radiation Emergencies Caused by Natural Disasters*, 2010.

Member—National Research Council Committee on *Inherently Safer Chemical Processes: The Use of Methyl Isocyanate (MIC) at Bayer CropScience*, 2011.

Co-Chair—NOAA/NSF Workshop *Weather Ready Nation: A Science Agenda*, 2012

Member—New Zealand Ministry of Science and Innovation Natural Hazards Research Platform Technical Advisory Group, 2011-2016.

Review Committee Member—*National Tsunami Hazard Mitigation Program*, 2017.

Editorial Board Member—*Journal of Contingencies and Crisis Management*, 2017-present.

Research Mentor—Bill Anderson Fund Fellows, 2019-present.

UNIVERSITY SERVICE

Member—Department of Psychology Graduate Admissions Committee, 1989–1990.

Member—College of Social Science Graduate Committee, 1991–1993.

Chair—Department of Psychology Faculty Search Committee, 1993.

Member—University Grievance Committee, 1991–1997.

Graduate Advisor—Administrative Sciences Program, 1996–1997

Member—Department of Construction Science Tenure and Promotion Committee, 1997–2001

Member—College Research Council, 1997–2003

Member—University Research Council, 1997–2001

Member—Department of Construction Science Research Committee, 1998–2001

Member—Department of Construction Science Graduate Committee, 1999–2001

Member—Department of Construction Science Faculty Search Committee, 2000.

Chair—Environmental Hazard Management Certificate Committee, 2000-2013.

Member—Department of Landscape Architecture & Urban Planning Faculty Search Committee, 2000.

Chair—Department of Landscape Architecture & Urban Planning Faculty Search Committee, 2001-2002.

Member—College of Architecture Tenure and Promotion Committee, 2002–2003.

Member—Department of Landscape Architecture & Urban Planning Department Head Search Committee, 2003–2004.

Member—College of Architecture Sustainability Search Committee, 2003-2004.

Chair—Department of Landscape Architecture & Urban Planning Tenure and Promotion Committee, 2004–2005.

UNIVERSITY SERVICE (continued)

Member—Department of Landscape Architecture & Urban Planning Master's of Urban Planning Committee, 2003-2013.

Member—Department of Landscape Architecture & Urban Planning Department Faculty Search Committee, 2007-2008.

Member—College of Architecture Tenure and Promotion Committee, 2008–2009.

Member—Department of Landscape Architecture & Urban Planning Department Urban and Regional Science Doctoral Committee, 2008-2013.

Member—Department of Landscape Architecture & Urban Planning Department Master of Urban Planning Committee, 2008-2013.

Member—College Research and Interdisciplinary Council, 2008-2010.

Member—Texas A&M University Council of Principal Investigators, 2008-2010.

EXPERT WITNESS TESTIMONY

U.S. Nuclear Regulatory Commission Atomic Safety and Licensing Board, 1987-1989. Preparation, deposition, written testimony, and cross-examination on behalf of the Long Island Lighting Company regarding the adequacy of emergency preparedness for the Shoreham Nuclear Power Plant. (Hunton & Williams)

New Jersey Hazardous Waste Facilities Siting Commission, 1992-1993. Preparation, reports, deposition, and cross-examination on behalf of International Specialty Products regarding the adequacy of emergency preparedness for transportation of hazardous waste to an incinerator site.

Ventura County California Superior Court, 2008. *Alvis and Alvis vs. La Conchita Ranch Company, et al.* (CIV 238700). Preparation and deposition on behalf of Ventura County regarding the defendants' liability for mitigating and providing adequate preparedness for landslide hazard.

Eastern District of Louisiana, 2009. In Re: FEMA Trailer Formaldehyde Products Liability Litigation, MDL No. 1873 (E.D. La.). Preparation, report, and deposition on behalf of the Federal Emergency Management Agency's regarding its liability for formaldehyde hazard in Katrina trailers. (US Department of Justice)

Negotiated settlement, 2010. Preparation and report on behalf of the estate of Edward Michael Self regarding the Dallas Athletic Club's inadequate emergency preparedness for clients' heart attacks. (Rodney J. Gappelberg, P.C. Dallas, Texas).

BIOGRAPHICAL SUMMARY

Dr. Michael K. Lindell has a degree in Social Psychology from the University of Colorado (1975) with a specialty in disaster research and has completed hazardous materials emergency responder training through the Hazardous Materials Specialist level. Dr. Lindell has over 40 years of experience in the field of emergency management, during which time he has conducted a program of research on the processes by which individuals and organizations respond to natural and technological hazards. In addition, he has had extensive experience in providing technical assistance to government agencies, industry groups, and private corporations in development of emergency plans and procedures. Much of his research, especially that supported by the National Science Foundation (NSF), has examined the processes by which affected populations respond to warnings of the imminent threat of a natural or technological hazard. This research has been conducted in communities affected by hazards as diverse as flooding, volcanic eruption and the release of hazardous materials. He has been involved in four studies around Mt. St. Helens, examining perceptions of risk immediately prior to the May 18, 1980 eruption, evacuation during the major eruption and adjustment to the long-term threat. He directed two nationwide surveys for the Department of Energy that examined public perceptions of risk associated with technological hazards and completed multiple studies investigating factors that affect households' adoption of earthquake hazard adjustments. More recent NSF-supported research developed a computer program, *DynaSearch*, in collaboration with colleagues at Clemson University to conduct web-based information search experiments of dynamic decision tasks such as hurricane tracking and evacuation decision making. His most recent grants are examining people's perceptions and responses to water contamination, volcano, and tsunami hazards.

His organizational research, also supported by NSF, has looked at the effects of disaster experience and the community planning process upon the development of adaptive strategies for promoting emergency preparedness. A

continuing series of studies has examined factors contributing to the success of Local Emergency Planning Committees (LEPCs) in developing plans for hazardous materials releases. These studies have examined the effects of external/contextual and internal structural factors on the climate within LEPCs, member outcomes (e.g., attendance, effort and turnover intentions), and organizational effectiveness. Other research studied hazardous materials handlers' experience with hazardous materials releases during the Northridge earthquake as well as their subsequent adoption of hazard assessment, hazard mitigation and emergency preparedness actions for future earthquakes.

Professor Lindell also has had extensive experience in providing technical assistance to government agencies, industry groups and private corporations in developing emergency plans and procedures. During seven years as a contractor to the Nuclear Regulatory Commission, he reviewed numerous emergency response plans and evaluated organizational performance in more than forty full-scale emergency exercises at nuclear facilities. In the course of these emergency exercises, he has observed organizational response in all major onsite (Control Room, Technical Support Center, Operations Center), near-site (Emergency Operations Facility and Emergency News Center) and offsite (county and state EOC) facilities. He has participated in the development of designs for emergency operations centers by providing human factors assistance to the NRC and DOE, developing or reviewing the design of seven emergency operations centers for these agencies and directing the design of the NRC Headquarters Emergency Operations Center. He also served on American National Standards Institute/American Nuclear Society and International Atomic Energy Agency committees that developed criteria for the design of emergency response facilities at nuclear power plants. During recent years, he has provided technical assistance to the Texas Governor's Division of Emergency Management, directing the inspection of hurricane evacuation shelters, conducting a needs assessment for hazard analysis materials, performing a survey of coastal residents' hurricane evacuation expectations, assessing local communities' vulnerability to hurricane impacts, and providing evacuation time estimates for coastal counties.

Dr. Lindell has served as an adjunct faculty for the Federal Emergency Management Agency's National Emergency Training Center, lecturing on disaster psychology and public response to warning. He also has been an instructor in other workshops federal agencies have sponsored for state and local emergency planners throughout the country and appeared as a panelist in conferences on protective actions in hazardous materials emergencies. In addition, he has been a consultant to five of the Department of Energy National Laboratories on a variety of topics in the area of emergency preparedness and response. Most recently, he served as an expert witness for Ventura County in a lawsuit about landslides at La Conchita California and for FEMA in a lawsuit about formaldehyde in trailers provided after the 2005 hurricanes. In work for private industry, he wrote a planning guide for protective action decision making in a nuclear power plant emergency for the Atomic Industrial Forum and developed an emergency response plan for Smith/Klein Chemical Company. He also evaluated the emergency plans and exercise performance of the Long Island Lighting Company's Local Emergency Response Organization and presented his findings as an expert witness before an Atomic Safety and Licensing Board. Later, he evaluated local emergency preparedness for accidents involving the transportation of hazardous wastes to a facility proposed by GAF Chemical and fixed site facilities in Porter County Indiana.

Professor Lindell has made over 240 presentations before scientific societies and short courses for emergency planners, as well as being an invited participant in workshops on risk communication and emergency management in this country and abroad. He organized and chaired an American Society of Civil Engineers Specialty Conference on Hazardous Facilities, served on the ASCE Task Committee on Natural Disaster Reduction, and served twice as Secretary of the Executive Committee of the ASCE Council on Natural Disaster Reduction. He co-chaired the organizing committee for a conference on protective action decision making in nuclear power plant accidents and was a member of the steering committee for a similar conference on protective action decision making in chemical emergencies. He participated in the NSF's Second Assessment of Research and Applications on Natural Hazards, serving as a member of the committee on Preparedness and Response, and chairing the committee on Adoption, Implementation, and Evaluation of Hazard Adjustments. He later co-chaired a NOAA/NSF Workshop on *Weather Ready Nation: A Science Agenda*. He has served eight times as a consultant to the International Atomic Energy Agency in developing planning guidance for response to nuclear and radiological incidents, eight times a consultant to National Research Council committees examining environmental hazards, and has been a member of three National Research Council committees—*Disasters Research in Social Sciences*, *Assessing Vulnerabilities Related to*

the Nation's Chemical Infrastructure, and *Inherently Safer Chemical Processes: The Use of Methyl Isocyanate (MIC) at Bayer CropScience*. He served as an external reviewer for the National Oceanographic and Atmospheric Administration's *National Tsunami Hazard Mitigation Program* and the U.S. Department of Homeland Security's Center for *Studies of Terrorism and Responses to Terrorism*, served two terms on the National Earthquake Hazard Reduction Program's *Advisory Committee on Earthquake Hazard Reduction*, and was a member of New Zealand's *Natural Hazards Research Platform Technical Advisory Group*. Professor Lindell is a former Editor of the *International Journal of Mass Emergencies and Disasters* and has conducted research or provided technical services to 40 different organizations in the public and private sectors. In addition, he has reviewed research proposals for 20 different foreign, federal, and state agencies as well as performed manuscript reviews for over 100 different journals in the social, environmental, and health sciences and engineering. He has written extensively on emergency management and is the author of 80 technical reports, 160 journal articles and book chapters, and 11 books. His most recent books are a coauthored textbook on community emergency planning (Wiley, 2007) that is being revised for its second edition, an introductory textbook on emergency management under contract to the Federal Emergency Management Agency that was later published by Wiley (2007), a coauthored book on large scale evacuation (Routledge, 2018), and an edited book on disaster resilience (Routledge, 2019).

TEACHING EXPERIENCE

UNDERGRADUATE

Psychological Statistics (Psychology Department)
 Psychological Testing (Psychology Department)
 Industrial/Organizational Psychology (Psychology Department)
 Social Psychology (Psychology Department)
 Personnel Research Techniques (Psychology Department)
 Introduction to Emergency Management (Planning Department)**
 Urban Analytical Methods (Planning Department)**

GRADUATE

Introduction to Research (Educational Psychology Department)
 Multivariate Analysis of Survey Data (Psychology Department)**
 Social Psychology (Psychology Department)
 Individual and Organizational Decision Processes (Psychology Department)**
 Organizational Psychology (Psychology Department)
 Research Methods in Applied Psychology (Psychology Department)**
 Social Influence (Psychology Department)
 Project Management Systems (Administrative Science Department)
 Strategic Management (Administrative Science Department)*
 Decision Analysis (Construction Science Department)*
 Supervision of the Workforce (Construction Science Department)*
 Disaster Response Planning (Planning Department)*
 Disaster Recovery and Hazard Mitigation (Planning Department)**
 Hazard Analysis and Management (Planning Department)
 Planning Methods I (Planning Department)**
 Community and Organizational Response to Disasters (Planning Department)

* Substantially revised course format and content from previous instructors

** Developed new course not previously taught in this department