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Disaster Research Center: drc.udel.edu • www.facebook.com/disasterresearchcenter
Joseph R. Biden, Jr. School of Public Policy and Administration: www.bidenschool.udel.edu

EDUCATION

2000. Doctor of Philosophy. Geography. Rutgers, The State University of New Jersey. Focus on individual and organizational response to risk and hazard. Dissertation: “Looking Out the Window: Risk, Work, and Technological Change in US Merchant Shipping.”

1995. Master of Science. Geography. University of Massachusetts, Amherst. Focus on environmental management and land-use planning. Thesis: “Seaport Development versus Environmental Preservation: The Case of Sears Island, Maine.”

1987. Bachelor of Science. Marine Transportation. Massachusetts Maritime Academy.

PROFESSIONAL CERTIFICATION

Certified Emergency Manager. International Association of Emergency Managers

ADMINISTRATIVE APPOINTMENTS

Program Director, Graduate Program in Disaster Science and Management, Joseph R. Biden, Jr. School of Public Policy and Administration, University of Delaware, 2020 – 2022

Responsibilities include:

- Developing and implementing new hybrid weekend delivery of M.S. degree
- Program management and development for master and doctoral students
- Admitting students and developing funding sources
- Promoting and advertising program
- Maintaining internship program
- Monitoring and modifying curriculum

Director, Disaster Research Center, University of Delaware, January 2011 – present.

Responsibilities include:

- Identifying research needs and funding opportunities
- Faculty recruitment and development
- Space and facility planning
- Financial management in a Responsibility Centered Management environment
- Promoting Center to other institutions and research stakeholders
- Representing the Center to university and external constituencies
- Maintaining media contacts

Program Coordinator, Emergency Administration and Planning Program, Department of Public Administration, University of North Texas (2005-2010).

Responsibilities included:

- Program management and development for ~220 majors (plus minors and interdisciplinary degree candidates)
- Promoting program via conference attendance, newsletters, and interaction with other institutions
- Maintaining internship program
- Monitoring and modifying curriculum
- Advising students with respect to careers, degree plans, internship opportunities, and graduate school possibilities
- Representing emergency management interests in the Master of Public Administration and doctoral programs, in the College, and in the University

FACULTY APPOINTMENTS

Professor, Joseph R. Biden, Jr. School of Public Policy and Administration, University of Delaware, 2014-present

Associate Professor, School of Public Policy and Administration, University of Delaware, 2011-2014

Associate Professor, Emergency Administration and Planning Program, Department of Public Administration, University of North Texas, 2007-2010

Assistant Professor, Emergency Administration and Planning Program, Department of Public Administration, University of North Texas (2002-2007. On leave 2002-2003).

PREVIOUS APPOINTMENTS

Research Coordinator, Disaster Research Center, University of Delaware (2001-2003)

Postdoctoral Research Fellow, Disaster Research Center, University of Delaware (2000-2001)

Responsibilities included:

Project Manager or Joint Project Manager for multiple hazard- and disaster-oriented research studies funded by major granting institutions including the National Science Foundation, the Public Entity Risk Institute, and the Multidisciplinary Center for Earthquake Engineering Research

EXTERNAL FUNDING

National Science Foundation. 2017-2021. CRISP Type 2/Collaborative Research: Defining and Optimizing Societal Objectives for the Earthquake Risk Management of Critical Infrastructure. Co-Principal Investigator. With Rachel Davidson, Principal Investigator (University of Delaware), and others. \$1,000,000 to University of Delaware/\$2,000,000 total award.

Centers for Disease Control and Prevention. 2017-2020. Composite of Post-Event Well-Being (CoPE-WELL) Production Environment Development. With Jonathan Links and Thomas Inglesby. \$450,000 to University of Delaware.

National Science Foundation. 2015-2017. EAGER: Risk Objects in Public Health Crisis: An Exploratory Investigation of Stigma, Role-Triage, and Cautionary Measures. Principal Investigator. With Tricia Wachtendorf, Co-Principal Investigator. \$95,000.

Centers for Disease Control and Prevention. 2014-2017. Harmonization, Continued Development, and Preliminary Validation of the Composite of Post-Event Well-Being (CoPE-WELL) and National Health Security Preparedness Index (NHSPI). \$750,000 to University of Delaware/\$3,000,000 total award.

National Science Foundation. 2014-2017. Information Chain Support for Disaster Mitigation, Preparedness, Response and Recovery. \$500,000. Co-Principal Investigator. With Hui Fang (Principal Investigator), Xiaoming Li (Co-Principal Investigator), and Patricia Young (Co-Principal Investigator)

National Science Foundation. Workshop. "Taking Stock and Taking Action: Disaster Research and the Challenges Ahead." \$75,000. Principal Investigator. With Scott Knowles and Tricia Wachtendorf (Co-Principal Investigators).

Department of Health and Human Services. Assistant Secretary for Preparedness and Response. 2013-2015. Principal Investigator. Promoting Community Resilience in New York City after Hurricane Sandy: A Model-Based Approach. \$573,524. With Jonathan Links and Sarah Sisco.

Centers for Disease Control and Prevention. 2013-2014. Development of a Community Resilience Index. Year 3. With Jonathan Links, Principal Investigator. \$281,520 to University of Delaware/\$450,000 total award.

Centers for Disease Control and Prevention. 2012-2013. Development of a Community Resilience Index. Year 2. With Jonathan Links, Principal Investigator. \$156,000 to University of Delaware /\$450,000 total award.

Centers for Disease Control and Prevention. 2012-2013. Training curriculum for Delaware State Health Operations Center. With Jonathan Links, Principal Investigator. \$121,900.

National Science Foundation. 2012. Principal Investigator. Workshop on Deploying Post-Disaster Quick-Response Reconnaissance Teams: Methods, Strategies, and Needs. \$95,820.

Centers for Disease Control and Prevention. 2011-2012. Development of a Community Resilience Index. With Jonathan Links, Principal Investigator. \$82,357 to University of Delaware /\$300,000 total award.

Department of Health and Social Services. 2011-2012. State of Delaware. Study of Post-Hurricane Irene Nursing Home Evacuation. \$144,000. Co-Principal Investigator. With Bethany Hall-Long.

National Science Foundation. 2011-2012. RAPID: The Tohoku Catastrophe: Volunteers and Non-Profit Organizations in Post-Kobe Japan. Principal Investigator. With Joanne Nigg. \$39,998.

National Science Foundation. 2010. RAPID: San Bruno Gas Pipeline Explosion. Co-Principal Investigator. Principal Investigator. With David McEntire and Rachel Davidson. \$22,000 to University of North Texas/ \$44,000 total.

National Science Foundation. 2010. RAPID. Collaborative Research: The Forgotten Aspects of Evacuation: Mass Evacuee Processing and Care by Host Communities Following the Haiti Earthquake. \$20,000 to University of North Texas/ \$40,000 total. Principal Investigator. With Joanne Nigg, Disaster Research Center, University of Delaware, Sudha Arlikatti, University of North Texas.

Texas Department of State Health Services. 2007-2008. Disaster Behavioral Health Response Plan. Contract to conduct research and draft plan. Principal Investigator. \$217,755.

National Science Foundation. 2005-2010. Collaborative Research Proposal on Improvisation and Sensemaking in Sudden Crisis. \$213,213 to University of North Texas/\$373,000 total award to study the waterborne evacuation of Lower Manhattan on September 11, 2001. Principal Investigator. With Tricia Wachtendorf, Disaster Research Center, University of Delaware.

PUBLICATIONS

Books

Kendra, J., Knowles, S. G., & Wachtendorf, T., (Eds.) (2019) *Disaster Research and the Second Environmental Crisis: Assessing the Challenges Ahead*. Springer: Cham.

Kendra, J. and Wachtendorf, T. 2016. *American Dunkirk: The Waterborne Evacuation of Manhattan on 9/11*. Temple University Press.

Recipient of Certificate of Merit, 2017 Maritime Media Awards, British Maritime Charitable Foundation

Journal Articles

Abbou, A., Davidson, R. A., Kendra, J., Martins, V., Ewing, B., Nozick, L. Starbird, K., & Leon-Corwin, M. (2022). Household Adaptations to Infrastructure System Service Interruptions. *Journal of Infrastructure Systems*, 28(4), 04022036.

Davidson, R. A., Kendra, J., Ewing, B., Nozick, L. K., Starbird, K., Cox, Z., & Leon-Corwin, M. (2022). Managing disaster risk associated with critical infrastructure systems: a system-level conceptual framework for research and policy guidance. *Civil Engineering and Environmental Systems*, 1-21.

Kendra, J., Clay, L., Gill, K., Trivedi, J., Marlowe, V., Aguirre, B., Nigg, J., Trainor, J., Carbone, E., & Links, J. (2021). Community Resilience: Toward a Framework for an Integrated, Interdisciplinary Model of Disaster. *Natural Hazards Review*, 22(4), 04021049.

Penta, S, Kendra, J, Marlowe, V, Gill, K. 2021. A disaster by any other name?: COVID-19 and support for an All-Hazards approach. *Risks, Hazards, and Crisis in Public Policy*. Early View 1–26.

Cavaliere, P., Cox, Z., Kendra, J., Mankins, A., Nibbs, F., Popovski, V., & Woody, M. (2020). A research agenda to explore the emergency operations center. *Journal of Emergency Management*, 18(6), 525-534.

Slemp, C. C., Sisco, S., Jean, M. C., Ahmed, M. S., Kanarek, N. F., Erös-Sarnyai, M., Gonzalez, I.A., Igusa, T., Lane, K., Tirado, F.P., Tria, M., Lin, S., Martins, V.N., Ravi, S., Kendra, J.M., Carbone, E.G., and Links, J.M. (2020). Applying an innovative model of disaster resilience at the neighborhood level: the COPEWELL New York City experience. *Public Health Reports*, 135(5), 565-570.

Clay, L. A., Goetschius, J. B., Papas, M. A., Trainor, J., Martins, N., & Kendra, J. M. (2020). Does preparedness matter? The influence of household preparedness on disaster outcomes during superstorm sandy. *Disaster medicine and public health preparedness*, 14(1), 71-79.

Martins, V. N., Nigg, J., Louis-Charles, H. M., & Kendra, J. M. (2019). Household preparedness in an imminent disaster threat scenario: The case of superstorm sandy in New York City. *International Journal of Disaster Risk Reduction* 34: 316-325.

Kendra, J., Siebeneck, L., and Andrew, S. (2018). Disaster Movies in the Classroom: Pedagogical Value and Teaching Approaches. *International Journal of Mass Emergencies and Disasters* 36(3): 220-237.

Martins, V. N., Louis-Charles, H. M., Nigg, J., Kendra, J., & Sisco, S. (2018). Household Disaster Preparedness in New York City before Superstorm Sandy: Findings and Recommendations. *Journal of Homeland Security and Emergency Management*, 15(4).

Clay, L. A., Greer, A., & Kendra, J. (2018). Learning from historic disaster response: reviewing old lessons on disaster mental health. *Risk, Hazards & Crisis in Public Policy* 9(3): 303-331.

Clay, L., Papas, M., Abramson, D., and Kendra, J. Social Capital, Neighborhood Disorder, and Disaster Recovery. 2017. *Journal of Emergency Management* 15(4) 233-246.

Links, J., Schwartz, B., Lin, S., Kanarek, N., Mitrani-Reiser, J., Sell, T., Watson, C., Ward, D., Slemp, C., Burhans, R., Gill, K., Igusa, T., Zhao, X., Aguirre, B., Trainor, J., Nigg, J., Inglesby, T., Carbone, C., and Kendra, J. 2017. COPEWELL: A Conceptual Framework and System Dynamics Model for Predicting Community Functioning and Resilience After Disasters. *Disaster Medicine and Public Health Preparedness* 12(1): 127-137.

Penta, S., Marlowe, V. G., Gill, K., & Kendra, J. 2017. Of Earthquakes and Epidemics: Examining the Applicability of the All-Hazards Approach in Public Health Emergencies. *Risk, Hazards & Crisis in Public Policy* 8(1): 48-67.

Relf, G., Kendra, J.M., Schwartz, R.M., Leathers, D.J., Levia, D.F. 2015. Slushflows: Science and Planning Considerations for an Expanding Hazard. *Natural Hazards* 78:333–354.

Arlikatti, S., Andrew, S., Kendra, J., and Prater, C. 2014. Temporary Sheltering, Psychological Stress Symptoms, and Perceptions of Recovery. *Natural Hazards Review* 16(3): 04014028

Kendra, J. and Nigg, J. 2014. Engineering and the Social Sciences: Historical Evolution of Interdisciplinary Approaches to Hazard and Disaster. *Engineering Studies* 6(3): 134-158.

Clay, L.S., Goetschius, J.B., Papas, M.A., and Kendra, J.M. 2014. Influence of Mental Health on Disaster Preparedness: Findings from the Behavioral Risk Factor Surveillance System, 2007–2009. *Journal of Homeland Security and Emergency Management* 11(3): 375–392

McEntire, D.A., Kelly, J., Kendra, J.M., and Long, L. C. 2013. Spontaneous Planning after the San Bruno Gas Pipeline Explosion: A Case Study of Anticipation and Improvisation during Response and Recovery Operations. *Journal of Homeland Security and Emergency Management*. 10(1): 1-25.

Andrew, S., Arlikatti, S., Long, L., and Kendra, J. 2013. The Effect of Housing Assistance Arrangements on Household Recovery: An Empirical Test of Donor-assisted and Owner-driven Approaches. *Journal of Housing and Built Environment*. 28(1): 17-34.

Wachtendorf, T. and Kendra, J. 2012. Reproductive Improvisation and the Virtues of Sameness: The Art of Reestablishing New York City’s Emergency Operations Center. *International Journal of Mass Emergencies and Disasters* 30(3): 249-274.

Andrew, S. and Kendra, J. 2012. An Adaptive Governance Approach to Providing Disaster Behavioral Health Services. *Disasters* 36(3): 514–532.

Arlikatti, S., Kendra, J., and Clark, N. 2012. Challenges for Multi-sector Organizations in Tracking and Sheltering Registered Sex Offenders in Disasters. *Journal of Homeland Security and Emergency Management* 9(1) Article 20.

Krueger, S., Jennings, E., and Kendra, J.M. 2009. Local Emergency Management Funding: An Evaluation of County Budgets. *Journal of Homeland Security and Emergency Management* 6(1) Article 43.

Bedford, J. and Kendra, J. 2009. Security as Subversion: Undermining Access, Agency, and Voice through the Discourse of Security. *Journal of Emergency Management* 7(1) 53-63.

Kendra, J., Rozdilsky, J., and McEntire, D.A. 2008. Evacuating Large Urban Areas: Challenges for Emergency Management Policies and Concepts. *Journal of Homeland Security and Emergency Management* 5(1) Article 32.

Kendra, J.M. 2007. The Reconstitution of Risk Objects. *Journal of Risk Research* 10(1): 29-48.

Rodríguez, H., Wachtendorf, T., Kendra, J. and Trainor, J. 2006. A Snapshot of the 2004 Indian Ocean Tsunami: Societal Impacts and Consequences. *Disaster Prevention and Management* 15(1): 163-177.

Aguirre, B., R. Dynes, J.M. Kendra, and R. Connell. 2005. Institutional Resilience and Disaster Planning for New Hazards: Insights from Hospitals. *Journal of Homeland Security and Emergency Management* 2(2) Article 1.

Kendra, J.M. and T. Wachtendorf. 2003. Elements of Resilience after the World Trade Center Disaster: Reconstituting New York City's Emergency Operations Center. *Disasters* 27(1) 37-53. Reprinted in A. Boin (ed). 2008. *Crisis Management*. Thousand Oaks, CA.: SAGE.

Kendra, J.M. and T. Wachtendorf. 2003. Reconsidering Convergence and Converger Legitimacy in Response to the World Trade Center Disaster. *Research in Social Problems and Public Policy* 11: 97-122.

Kendra, J. M. 1998. Effects of technological change on seafarers in U.S. merchant shipping. *Middle States Geographer* 31: 138-144.

Platt, R. H. and J. M. Kendra. 1998. The Sears Island saga: Law in search of geography. *Economic Geography* Special Issue: 46-61.

Kendra, J. M. 1997. Seaport development versus environmental preservation: The case of Sears Island, Maine, USA. *Marine Policy* 21(5) 409-424.

Book chapters

Kendra, J., Knowles, S. G., & Wachtendorf, T. (2019). Introduction: The New Environmental Crisis. In J. Kendra, S.G. Knowles, and T. Wachtendorf (Eds.), *Disaster Research and the Second Environmental Crisis: Assessing the Challenges Ahead* (pp. 1-18). Springer, Cham.

Kendra, J., & Gregory, S. (2019). Ethics in Disaster Research: A New Declaration. In Kendra, J., S.G. Knowles, and T. Wachtendorf (Eds.), *Disaster Research and the Second Environmental Crisis: Assessing the Challenges Ahead* (pp. 311-333).Springer, Cham.

Kendra, J. M., Clay, L. A., & Gill, K. B. 2018. Resilience and Disasters. In H. Rodriguez, W. Donner, and J. E. Trainor (Eds.), *Handbook of Disaster Research*, second edition (pp. 87-107). Springer: Cham.

Wachtendorf, T., Kendra, J. M., & DeYoung, S. E. 2018. Community Innovation and Disasters. In H. Rodriguez, W. Donner, and J. E. Trainor (Eds.), *Handbook of Disaster Research*, second edition (pp. 387-410). Springer: Cham.

Andrew, S. A. and Kendra, J.M. 2015. “Integración regional mediante acuerdos: Una comprobación empírica con redes de servicios múltiples” (Regional Integration through Agreements: An Empirical Test of Multiplex Service Networks) In Edgar Ramírez de la Cruz [Ed.]. *Análisis de Redes Sociales para el Estudio de la Gobernanza y las Políticas Públicas. Aproximaciones y Casos*. Policy Networks Perspective. Santa Fe, México City: Centro de Investigación y Docencia Económicas, CIDE Press.

Arlikatti, S., Kendra, J. & Jennings, E. 2015. Corporate Social Responsibility in Enhancing Disaster Education. In Hamner, M., Stovall, S., Taha, D. and Brahim, S. (Eds.) *Emergency Management and Disaster Response in Public-Private Partnerships*. IGI Global Publishing. Pp. 183-193.

Wachtendorf, T. and Kendra, J. 2012. The making of a mega-crisis: 9/11 as a case for the concept. In *MEGA-CRISES: Understanding the Prospects, Nature, Characteristics, and the Effects of Cataclysmic Events*. Helsloot, I., Boin, A., Jacobs, B., and Comfort, L.K. eds. CC Thomas Publishers. Pp. 143-157.

Wachtendorf, T., Kendra, J., and Lea, B. 2010. Community Behavior and Response to Disaster. In Powers, R., and Daily, E (eds.) *International Disaster Nursing*. Cambridge University Press: New York. Pp. 29-40.

Kendra, J. and T. Wachtendorf. 2007. Improvisation, Creativity, and the Art of Emergency Management. In *Understanding and Responding to Terrorism*, eds. H. Durmaz, B. Sevinc, A.S. Yayla, and S. Ekici. NATO Security through Science Series E: Human and Societal Dynamics, Volume 19. pp. 324-335.

Kendra, J.M. 2007. Geography’s Contribution to Emergency Management, in David McEntire (ed.) *Disciplines, Disasters, and Emergency Management*. Springfield, IL: CC Thomas Publishers. Pp. 15-30. Previously published (2006) by Federal Emergency Management Agency.

Kendra, J.M. and T. Wachtendorf. 2006. Community Innovation. In H. Rodríguez, E.L. Quarantelli, and R. Dynes (eds), *Handbook of Disaster Research*. New York: Springer. Pp. 316-334.

Kendra, J.M. and T. Wachtendorf. 2003. Creativity in Emergency Response after the World Trade Center Attack. In *Beyond September 11th: An Account of Post-Disaster Research*. Natural Hazards Research and Applications Information Center, Public Entity Risk Institute, and Institute for Civil Infrastructure Systems. Special Publication No. 39. Boulder, CO: Natural Hazards Research and Applications Information Center, University of Colorado. Pp. 121-146.

Major Technical Reports

Kendra, J. and Gregory, S. 2016. Workshop on Deploying Post-disaster Quick-response Reconnaissance Teams: Methods, Strategies, and Needs. Final report of a workshop funded by the National Science Foundation. Disaster Research Center. University of Delaware.

Kendra, J., Penta, S., Clay, L., Goetschius, J., Lazo, J., Wilson, E., Barlow, A., Aguirre, B., Hall-Long, B., Hansen, I., Wachtendorf, T. 2012. Nursing Home and Assisted Living Communities: Challenges in Emergency Preparedness. Report to the Delaware Department of Health and Social Services Division of Long Term Care Residents Protection. Disaster Research Center. University of Delaware.

Davidson, R.A., Kendra, J., Li, S., Long, L.C., McEntire, D.A., Scawthorn, C., Kelly, J. 2012. San Bruno California, September 9, 2010 Gas Pipeline Explosion and Fire. Disaster Research Center. University of Delaware.

Essays and Opinion

Kendra, J., and T. Wachtendorf. 2021. American Dunkirk: Inside the Greatest Boating Rescue. *Power and Motoryacht*. <https://www.powerandmotoryacht.com/sea-tales/excerpt-from-american-dunkirk>

Kendra, J. and T. Wachtendorf. 2017. Is FEMA Prepared For A Second Hurricane? *Fortune*. <http://fortune.com/2017/09/08/is-fema-prepared-for-a-second-hurricane/>

Kendra, J. 2016. The Maritime Industry and 9/11: Spirit of Service & Duty. *Marine Log* 121(8): 43, 46.

Wachtendorf, T. and Kendra, J. 2016. Louisiana's Cajun Navy Shines Light on Growing Value of Boat Rescuers. *The Conversation*. <https://theconversation.com/louisianas-cajun-navy-shines-light-on-growing-value-of-boat-rescuers-64197>

Updated 2017. 'Cajun Navy' rescuers in Hurricane Harvey show vital role of volunteer boats. <https://theconversation.com/cajun-navy-rescuers-in-hurricane-harvey-show-vital-role-of-volunteer-boats-83200>.

Republished in Salon, Time, Houston Chronicle, San Francisco Chronicle/SFGate

Kendra, J. 2007. So Are You Still Active in the Field, Or Do You Just Teach? *Journal of Homeland Security and Emergency Management* 4(3) Article 8.

Wachtendorf, T. and J. Kendra. 2005. Improvising Disaster in the City of Jazz: Organizational Response to Hurricane Katrina. Understanding Katrina: Perspectives from the Social Sciences. Social Science Research Council. <http://understandingkatrina.ssrc.org>

Trainor, J., Rodríguez, H., Wachtendorf, T., and Kendra, J.M. 2005. "More than a Wave: Exploring the Social Impacts of the Indian Ocean Tsunami." *Natural Hazards Observer* 29(5) 1-3.

Kendra, J.M. and Wachtendorf, T. 2004. Creativity and Coordination in Disaster Response. *Proceedings of the 4th Workshop for Comparative Study on Urban Earthquake Disaster Management*, pp. 73-86.

Kendra, J.M., T. Wachtendorf, and E.L Quarantelli. 2003. The Evacuation of Lower Manhattan by Water Transport on September 11: An Unplanned “Success.” *The Joint Commission Journal on Quality and Safety* 29: 316-318.

Other Products

Kendra, James, and Tricia Wachtendorf. 2007. *Emergence and Convergence in the Post-Disaster Environment: Recent Research Perspectives*, Training program created for the Public Entity Risk Institute. <https://www.riskinstitute.org/peri/content/view/680/40/> Accessed May 1, 2009.

Wachtendorf, Tricia and James M. Kendra, 2007. *Integrating Improvisation in Disaster Response: A Look at the World Trade Center Disaster*, Training program created for the Public Entity Risk Institute. <https://www.riskinstitute.org/peri/content/view/680/40/> Accessed May 1, 2009.

Kendra, J.M. 2003. Review of *American Hazardscapes: The Regionalization of Hazards and Disasters* edited by Susan L. Cutter. *Natural Hazards Review* 4: 222-223.

Kendra, J.M. 2003. Review of National Geographic’s *Cyclone!* *Contemporary Disaster Review* 1(1) 27-31. <http://muweb.millersville.edu/~cdr/cdrissue1.1.pdf>

Kendra, J. M. 2000. Review of *Shared Risk: Complex Systems in Seismic Response*. *Environmental Hazards* 2: 129-130.

Kendra, J. 1999. Profession versus vocation: Contradictions in marine transportation. *Sidelights* 28(3) 15-17.

TEACHING

School of Public Policy and Administration, University of Delaware.

Graduate Courses Taught:

Disaster Science Seminar

Leading Organizations in Public and Non-Profit Sectors

Issues in Disaster Response

Issues in Disaster Recovery

Undergraduate Courses Taught, Semester Study Program, Tuscany, Italy

The Leadership Challenge

Citizens, Community, and Change

Università Politecnica delle Marche, Ancona, Italy.

March 2-5, 2015. Corso Integrativo. Invited series of seminars on disaster management.

October 22-26, 2012. Corso Integrativo. Invited series of seminars on disaster management.

Department of Public Administration, University of North Texas.

Undergraduate Courses Taught:

Introduction to Emergency Management
Special Populations in Disaster
Leadership and Organizational Behavior
Images of Disaster in Film and Media
Disaster Response and Recovery
Capstone in Emergency Management

Graduate Courses Taught:

Challenges of Disaster Response
Technological Hazards

Instructor, Department of Geography, Rutgers University.

Fall, 1999. Transforming the Global Environment, a 150-student course focusing on environmental management, hazards, and the human dimensions of environmental change.

Instructor, Program in American Language Studies, Rutgers University.

Fall, 1997-Summer, 1999. Taught reading and writing, pronunciation, and conversation skills to students and professionals from around the world.

Instructor, Department of Marine Transportation, Massachusetts Maritime Academy.

1995. Instructor and navigation officer aboard Massachusetts Maritime Academy training ship. Responsible for training and supervising cadets. Taught seamanship and navigation. Supervised lifeboat qualification examinations.

Teaching assistant, Department of Geology and Geography, University of Massachusetts, Amherst.

Spring, 1994. Climatology. Focus on atmospheric processes and climate change.
Fall, 1993. Introduction to Physical Geography Laboratory. Full responsibility for lab class. Focus on weather and climate, landform identification, and geomorphology.
Spring, 1993. Introduction to Physical Geography Laboratory. Full responsibility for lab class.

CONFERENCES AND PRESENTATIONS

“Disaster Research Ethics: Toward a Prosocial Perspective.” Researchers Meeting, International Sociological Association. Natural Hazards Workshop. University of Colorado, Boulder. July, 15, 2020.

“The Mirage of Data.” James Kendra, Valerie Marlowe, Nuno Martins, Norma Kanarek, Tak Igusa, Qi Wang. Presented at the 2019 Northern European Emergency and Disaster Studies Conference. Uppsala, Sweden. June 10-12, 2019.

“A Model of Community Resilience and Recovery: The Composite of Post-Event Well-Being (CoPE-WELL). Presented at the Population Protection Institute. Czech Republic. September, 2018.

“The Ethics of Disaster Research.” International Sociological Association. Toronto. July, 2018.

Moderator. The Legacy of Enrico L. (Henry) Quarantelli. Panel Session at the 42nd Annual Natural Hazards Workshop. University of Colorado Boulder, July 2017.

Kendra, James and Tricia Wachtendorf. 2017. American Dunkirk: The Waterborne Evacuation of Manhattan on 9/11. Osher Center for Lifelong Learning. April 6.

Kendra, James and Tricia Wachtendorf. 2016. American Dunkirk: The Waterborne Evacuation of Manhattan on 9/11. South Street Seaport Museum, New York City, NY. November 3.

“Disaster Research: Continuing Needs, Emerging Anxieties, and Growing Moral Panics.” Presented at the Fourth International Conference on Urban Disaster Reduction.” Wellington, New Zealand. October 18, 2016.

Kendra, James and Tricia Wachtendorf. 2016. American Dunkirk: The Waterborne Evacuation of Manhattan on 9/11. Pier 25, LILAC, New York City, NY. September 8.

“Before and After: New York City Preparedness and Recovery Around Hurricane Sandy.” James Kendra, Nuno Martins, Hans-Louis Charles, Sarah Gregory, Joanne Nigg, Lauren Clay, Sarah Sisco. Presented at Memory Survives: History, Psychology, and Disaster Recovery. Drexel University. September 7, 2016.

“The Effects of Disaster Funding on Long-Term Community Recovery.” Sarah Gregory and James Kendra. International Research Committee on Disasters Meeting. Broomfield, Colorado. July 2016.

Panelist. Rapid Disaster Response and Recovery Research: Evolution, Challenges, and Aspirations. Natural Hazards Workshop, Broomfield, Colorado. July, 2016.

Panelist. Predicting Community Functioning and Resilience after Disasters: Composite of Post-Event Well-Being (CoPE-WELL). Natural Hazards Workshop, Broomfield, Colorado. July, 2016.

“Disaster Research Center: 50 Years of History, Development, and Change.” James Kendra and Tricia Wachtendorf. Presented at the Delaware Emergency Management Agency. June 21, 2016.

“Italy and the United States: Shared Hazards and Opportunities for Partnership.” Celebrations in Honor of Mazzei Week. Pisa, Italy, March, 2016.

“Gestión Interdisciplinaria de Crisis y Emergencias.” Seminario anual: Chile Resiliente: Lecciones del Pasado y Desafíos para El Futuro. National Research Center for the Integrated Management of Natural Disasters, Chile. Santiago, Chile. November, 2015.

“Insights from the Past: Disaster Research and the Second Environmental Crisis.” James Kendra and Scott Knowles. International Sociological Association Conference. Yokohama, Japan. July 2014.

“Then and Now: A New Look at Methods and Findings from the 1974 Xenia, Ohio (US) Tornadoes.” Lauren Clay, Alex Greer, and James Kendra. International Sociological Association Conference. Yokohama, Japan. July 2014.

“Regional Challenges to Building Resilience” in the session on “Translating National Strategies to Practice”, and “Environmental Crisis and the Transformation of Environmental Norms” in the concluding session on “Governance and Resiliency.” 4th Conference on Community Resiliency in Davos, Switzerland, sponsored by the Global Risk Forum and Virginia Tech University. August, 2013.

“The Value of Preparedness: Organizational Culture and Disaster Preparedness in Delaware Nursing Homes.” Penta, Samantha, James Kendra, and Tricia Wachtendorf. 2013. Paper presented at the IRCD/Natural Hazards Center Researchers Meeting, Boulder, Colorado. July 17.

Panelist. “Sandy News Flash: Island People Need Ferries.” Metropolitan Waterfront Alliance. 2013 Conference. Leadership for Our City of Water. Living With the Water, Not Fighting It. New York City. April 9, 2013.

“The “Human Factor” in Environmental Hazards.” Plenary Panelist. National Council on Science and the Environment. 13th National Conference on Science, Policy, and the Environment. Washington, DC. January 16, 2013.

“Effect of mental health on disaster preparedness.” Lauren Clay, James Goetschius, James Kendra, and Mia Papas. Presented at the American Public Health Association 140th Annual Conference and Expo. San Francisco, CA. October, 2012.

Panelist. Natural Hazards Workshop. University of Colorado, Boulder. July 2012.

“Disaster Research: The State of the Art, Future Trends, and the Challenges of a Multidisciplinary Field of Study.” Inaugural Presentation at the 20th Anniversary of the Founding of the Faculty of Science. Università Politecnica delle Marche, Ancona, Italy. March, 2012

“The Waterborne Evacuation of Manhattan on September 11.” James Kendra and Tricia Wachtendorf. National Evacuation Conference. Stephenson Institute of Disaster Management. Louisiana State University. New Orleans, Louisiana. February, 2012.

“Disciplinary Perspectives on Resilience.” Panelist. Natural Hazards Workshop. University of Colorado, Boulder. July, 2011.

“The Emergency Managers: A Profession on the Edge.” Scott Knowles and James Kendra. Presentation at the International Research Committee on Disasters meeting. University of Colorado, Boulder. July, 2011.

“Role of NGOs in Assisting Post-Earthquake Haitian "Invacuees" to the US: Compensating or Complementing?” Sarah Knosp, Sudha Arlikatti, James Kendra, Joanne Nigg, Manuel Torres. Presentation at the International Research Committee on Disasters meeting. University of Colorado, Boulder. July, 2011.

“The Challenges for Unconventional Response Agencies in Serving Haitian Earthquake Survivors: The Needs in NIMS Training and Practices.” Joshua Kelly, Sudha Arlikatti, James Kendra, Joanne Nigg, Manuel Torres. Presentation at the International Research Committee on Disasters meeting. University of Colorado, Boulder. July, 2011.

“Catastrophe: The Next Research Frontier.” Southwestern University of Finance and Economics. Chengdu, China. June 2011.

“Organizing, Improvising, and Supporting Resilience.” James Kendra, Simon Andrew, and Tricia Wachtendorf. Invited presentation at the First Conference on Community Resilience: Integrated Risk, Response, and Recovery Policy and Management. International Perspectives across Multiple Scales. Hosted by Virginia Tech National Capital Region at Swiss Re Center for Global Dialogue, Zurich. October 2010.

“Housing Recovery after 2004 Tsunami: Change as Perceived by Displaced and Non-displaced Households.” Long, Laurie C., Simon A. Andrew, Sudha Arlikatti & James Kendra Paper presented at the Association of Collegiate Schools of Planning (ACSP) 51st Annual Conference, Minneapolis-St. Paul. MN.: Oct. 7 –10, 2010.

““Do You Just Teach?” Closing the “Gap” Between Scholarship and Practice in Emergency Management.” Disaster Research Center Salon Series Presentation. October, 2009.

“Location Conflict in Disaster Management.” James Kendra and Tricia Wachtendorf. Colloquium Presentation. Department of Geography. University of North Texas. September, 2009.

“One Step Back, Two Steps Forward: What Have We Learned Since September 11?” Colloquium Presentation. Department of Public Administration, University of North Texas. September, 2009.

“Diffuse Sensemaking in Large-Scale Crisis Environments.” Tricia Wachtendorf and James Kendra. Presented at the International Research Committee on Disasters Meeting. University of Colorado, Boulder. July, 2009.

“Role of Government Interventions in Disaster Related Mental Health Recovery: Longitudinal Study in Tsunami Affected Communities in Southern India.” Sudha Arlikatti, Simon Andrew, James Kendra, and Carla Prater. Presented at the International Research Committee on Disasters Meeting. University of Colorado, Boulder. July, 2009.

Moderator. "Leadership and Professionalization in Emergency Management." Natural Hazards Workshop. University of Colorado, Boulder. July, 2009.

"Role of Government Interventions in Disaster Related Mental Health Recovery: Longitudinal Study in Tsunami Affected Communities in Southern India" Sudha Arlikatti, Simon A. Andrew, James M. Kendra & Carla S. Prater. Paper prepared for presentation at the International Research Committee on Disasters Researchers (IRCDR) Meeting in Broomfield, CO.; Jul. 18–19, 2009.

"Regional Integration through Agreements: Does Multiplexity in Urban Service Deliveries Matter?" Andrew, Simon A. & James M. Kendra. Workshop on Workshop (WOW 4), Indiana University in Bloomington, IN.; Jun. 3–6, 2009.

"What can Institutional Collective Action Tell us about Self-organizing Disaster Behavioral Health?" Andrew, Simon A., James Kendra & Rochelle Brittingham. Southern Political Science Association (SPSA), New Orleans, LA.; Jan. 8 –10, 2009.

"Security versus Culture: The Dilemma of Responding to Phantom Threats." Jack Rozdilsky and James Kendra. Presented at the International Association of Emergency Managers Annual Meeting. Overland Park, Kansas. November, 2008.

Panelist. "Preparedness in the Region: Confronting Vulnerability in the Delaware Valley. Drexel University/Drexel Engineering Cities Initiative. October 10-11, 2008.

Panelist. "Teaching about Hazards and Disasters: Strategies and Resources." Natural Hazards Workshop. University of Colorado. July, 2008.

"Coordination and Partnerships in the Waterborne Evacuation of Manhattan on September 11, 2001." James Kendra, Brandi Lea, and Tricia Wachtendorf. Presented at the Association of American Geographers Annual Meeting. Boston. April 16, 2008.

"Coordinating Spontaneous Resources: The Waterborne Evacuation of Lower Manhattan on 9/11." Brandi Lea and James Kendra. 2007. Presented at the 55th Annual Conference of the International Association of Emergency Managers. Reno, Nevada. November 13.

"The Waterborne Evacuation of Lower Manhattan on September 11: A Case of Distributed Sensemaking." Tricia Wachtendorf and James M. Kendra. 2007. Presented at the International Research Committee on Disasters Meeting at the Annual Meeting of the American Sociological Association, New York City, NY. August 13.

Panelist. "Managing Volunteers and Volunteer Organizations in the Aftermath of Disaster." Natural Hazards Workshop. University of Colorado, Boulder. July, 2007.

"Uncharted Waters: The Waterborne Evacuation of Lower Manhattan on September 11th." Brandi Lea, James Kendra, and Tricia Wachtendorf. 2007. Presented at the 10th Annual Emergency Management Higher Education Conference, Federal Emergency Management Agency, Emmitsburg, Maryland, June.

“Geographic Aspects of Sensemaking: The Waterborne Evacuation of Lower Manhattan on September 11.” James M. Kendra and Tricia Wachtendorf. Paper presented at the Association of American Geographers Annual Meeting, San Francisco, California, April 17-21, 2007.

“Improvisation and the Art of Emergency Management.” James M. Kendra and Tricia Wachtendorf. Paper presented at the NATO Advanced Research Workshop on Understanding and Responding to Terrorism: A Multi-Dimensional Approach. Sponsored by NATO and the Turkish National Police/ Turkish Institute for Police Studies at the University of North Texas. September 8-9, 2006. Washington, D.C.

“Boats, Nets, and Motors’: Recovery Issues after the 2004 Indian Ocean Tsunami.” James M. Kendra, Tricia Wachtendorf, Joseph Trainor, and Havidán Rodríguez. Presented at the 30th Annual Natural Hazards Research and Applications Center Workshop. July 10-13, 2005. Boulder, Colorado.

“Societal Impacts of the Indian Ocean Tsunami: Preliminary Findings from India and Sri Lanka.” Wachtendorf, Tricia, Rodríguez, Havidán, Kendra, James, Trainor, Joseph. Presented at the Disasters Roundtable on the Indian Ocean Tsunami Disaster: Implications for U.S. and Global Disaster Reduction and Preparedness. National Research Council, The National Academies, Washington, DC: June 21, 2005.

“The Indian Ocean Tsunami: A preliminary Assessment of Societal Impacts and Consequences.” Rodríguez, Havidán, Tricia Wachtendorf, James Kendra, and Joseph Trainor. Paper presented at the FEMA Emergency Management Higher Education Conference, Emmitsburg, Maryland, June 7-9, 2005.

“Societal Impacts of the Indian Ocean Tsunami: Preliminary Findings from India and Sri Lanka.” Rodríguez, Havidán, Tricia Wachtendorf, James Kendra, and Joseph Trainor. Presented at the EERI Technical Briefing: The Great Sumatra Earthquake and Tsunami of December 26, 2004, Marvin Center, George Washington University, May 23, 2005.

“Socio-economic Impact and Consequences of the Indian Ocean Tsunami: Preliminary Findings from India and Sri Lanka.” Rodríguez, Havidán, Tricia Wachtendorf, James Kendra, and Joseph Trainor. Presented at the 2005 NDMS Disaster Response Conference Orlando, Florida, May 4, 2005.

“Social Impacts of the Indian Ocean Tsunami: Preliminary Findings from India and Sri Lanka.” Wachtendorf, Tricia, Havidán Rodríguez, James M. Kendra, and Joseph Trainor, 2005. Invited presentation to the Understanding Tsunamis 2005 – Online Teacher Workshop, College of Exploration and National Science Foundation, May 6-11, 2005.

“Social Impacts and Consequences of the Indian Ocean Tsunami: Preliminary Observations from India and Sri Lanka.” Wachtendorf, Tricia, Havidán Rodríguez, James M. Kendra, and Joseph Trainor, 2005. Invited Presentation at the National Disaster Medical Systems Conference, Orlando, FL. May 3, 2005.

“Social Impacts of the Indian Ocean Tsunami: Preliminary Findings from India and Sri Lanka.” Wachtendorf, Tricia, Havidán Rodriguez, Joseph Trainor, and James M. Kendra 2005. Mid American Earthquake Center, University of Illinois, Urbana-Champaign, IL. April 21, 2005

“Storming the Barricades: Post-disaster Convergence as Locational Conflict.” James Kendra and Tricia Wachtendorf. Association of American Geographers Annual Meeting, April 5-9, 2005. Denver, Colorado.

“Social Science Implications of the Indian Ocean Tsunami.” James Kendra, Havidán Rodriguez, Tricia Wachtendorf, and Joseph Trainor. Invited Presentation. Earthquake Engineering Research Institute. Seattle, Washington. March 21, 2005.

"Fostering Resilience by Bolstering Improvisation Capacity: Findings from the World Trade Center Disaster." Wachtendorf, Tricia and James M. Kendra, Invited presentation at the International Workshop on Resilience, University of Kent, Canterbury, UK. February 25, 2005.

“Considering Convergence, Coordination, and Social Capital in Disasters.” Tricia Wachtendorf and James Kendra. Presentation to the Canadian Risk and Hazards Network 1st Annual Symposium. Winnipeg, Manitoba, Canada November 19, 2004

Moderator. “Credentialing and Accreditation in Emergency Management: Significant Trends.” 29th Annual Workshop on Hazards Research and Applications. Natural Hazards Research and Applications Information Center. Boulder, Colorado July 11-14, 2004.

Panelist. “Establishing a Research Agenda: Other Critical Areas and Issues that Need to be Addressed in Disaster Research.” Disaster Research and the Social Sciences: Lessons Learned and Future Trajectories. Disaster Research Center 40th Anniversary Conference. Newark, Delaware. April 30-May 1, 2004.

"Integrating Improvisation in Disaster Response Planning: A Look at the World Trade Center Disaster." Tricia Wachtendorf and James M. Kendra. Invited presentation to the European Crisis Management Academy International Conference, Poljce, Slovenia, March 12th, 2004.

“Creativity and Coordination in Disaster Response.” James M. Kendra and Tricia Wachtendorf. Invited Presentation. January 29-30, 2004. Kobe, Japan.

Panelist. “The Emergency Manager of the Future. The Next Generation.” The National Academies, Disasters Roundtable. Washington, D.C. June 13, 2003.

“Emergence and Convergence in the Post-Disaster Environment: Recent Research Perspectives.” James M. Kendra and Tricia Wachtendorf. Invited Presentation. National Disaster Medical System Conference. Reno, Nevada. March 12, 2003.

“Creating, Re-Creating, and Transforming: Lessons from 9-11.” Invited Presentation. California Emergency Services Association, Southern Chapter. Palm Springs, California. October 9, 2002.

“Rebel Food...Renegade Supplies: Convergence after the World Trade Center Attack.” James M. Kendra and Tricia Wachtendorf. Presented at the 97th Annual Meeting of the American Sociological Association. Chicago, Illinois. August 16-19, 2002.

“Managing the Response to the September 11 Attacks: Observations from Research and Practice.” James M. Kendra. Panelist. 27th Annual Hazards Research and Applications Workshop, Boulder, Colorado. July 14-17, 2002.

“Rising From the Ashes: Organizational Adaptation Following the September 11th, 2001 World Trade Center Attack.” Tricia Wachtendorf and James M. Kendra. Research Committee on Disasters at the 15th International Sociological Association World Congress of Sociology. Brisbane, Australia. July 7-13, 2002.

Blue Ribbon Plenary Panelist. The International Emergency Management Society. 9th Annual Conference. Waterloo, Canada, May 14-17, 2002.

“Creativity in Emergency Response After the World Trade Center Attack.” James M. Kendra and Tricia Wachtendorf. The International Emergency Management Society. 9th Annual Conference. Waterloo, Canada, May 14-17, 2002. *Proceedings of the 9th Annual Conference of The International Emergency Management Society, Waterloo, Canada, May 14-17, 2002.* pp. 69-81.

“Organizational and Community Resilience in the World Trade Center Disaster.” Kathleen J. Tierney, Benigno Aguirre, James M. Kendra, and Tricia Wachtendorf. December, 2001. Invited presentation. Learning from Urban Disasters: National Science Foundation (NSF) Response and Opportunities for Future Research workshop sponsored by the National Science Foundation and the Institute for Civil Infrastructure Systems, New York City, NY.

“Response and Resilience in the World Trade Center Attack.” James M. Kendra and Tricia Wachtendorf. December, 2001. Colloquium presentation. Department of Geography. Rutgers University. New Brunswick, N.J.

“Elements of Community Resilience in the World Trade Center Attack.” James M. Kendra and Tricia Wachtendorf. November, 2001. Regional Science Association International Annual Conference. Charleston, S.C.

Panelist. “Political Activism in Geography: Professional Academic Norms and the Rewards and Risks of Activism.” March, 2001. Association of American Geographers Annual Conference. New York City.

“Looking out the Window: Issues of Surprise, Ambiguity, and Trust in Maritime Hazards.” James M. Kendra. March, 2001. Association of American Geographers Annual Conference. New York City.

“Contradictions in Risk Management in Marine Transportation.” James M. Kendra. December, 1999. Student Award Recipient. Society for Risk Analysis Annual Conference. Atlanta, Georgia.

“Profession versus Vocation: Contradictions in Marine Transportation.” James M. Kendra. May, 1999. Invited Talk. Professional Development Conference. Council of American Master Mariners. Mystic, Connecticut.

“Risk, Work, and Technological Change in Merchant Shipping.” James M. Kendra. March, 1999. Association of American Geographers Annual Conference. Honolulu, Hawaii.

“Risk, Work, and Flexible Specialization in Marine Transportation.” James M. Kendra. October, 1998. Middle States Division, Association of American Geographers Conference. Rutgers University.

“On Autopilot: Technology and the Marine Workplace.” James M. Kendra. March, 1998. Association of American Geographers Annual Conference. Boston, Massachusetts.

“Maritime Hazards: Remedial Efforts in Transition.” James M. Kendra. October, 1997. Middle States Division, Association of American Geographers and Canadian Association of Geographers, Ontario Division (CAGONT) Joint Meeting. Buffalo State College.

DEPARTMENT AND SCHOOL SERVICE

2003-2005. Faculty Advisor to Rho Epsilon Mu, the emergency management honor society, University of North Texas

2005-2006. Executive Committee, Department of Public Administration, University of North Texas

2006. Develop Emergency Management Symposium in cooperation with Congressman Michael Burgess.

2009. Organize and host 25th Anniversary Celebration of the Emergency Administration and Planning Program, University of North Texas

2011. Reappointment Committee for Director, School of Public Policy and Administration, University of Delaware.

2011-2012. Interim Co-Director, graduate program in Disaster Science and Management

2012. Faculty Search Committee, School of Public Policy and Administration, University of Delaware.

2013. Reappointment Committee for director of the Center for Community Research and Service

2014. Reappointment Committee for director of the Center for Historical Architecture and Design

2015. Faculty Search Committee, School of Public Policy and Administration, University of Delaware.

2014- present. Promotion and Tenure Committee, School of Public Policy and Administration, University of Delaware

2018-2019. Ad Hoc Committee on Joint and Secondary Appointments, Joseph R. Biden, Jr. School of Public Policy and Administration, University of Delaware

COLLEGE SERVICE

2008-2009. Personnel Committee, College of Public Affairs and Community Service, University of North Texas

UNIVERSITY SERVICE

2013. UNIDEL Endowed Chairs selection committee, University of Delaware

2018-2020. University Promotion and Tenure Committee

PROFESSIONAL SERVICE

2007-2010. Application reviewer for Texas Certified Emergency Manager Program

2009. External reviewer for the development of a new emergency management curriculum at Adelphi University

2007-2011. Editor of *UnScheduled Events*, newsletter of the International Research Committee on Disasters, International Sociological Association.

2014-2017. Member, International Advisory Board, National Research Center for the Integrated Management of Natural Disasters, Chile.

2019. External Reviewer. Academic Program Review. Department of Emergency Management and Disaster Science. University of North Texas.

2019. External Reviewer. Graduate program in emergency management. Rowan University.

NATIONAL SERVICE

2016-2018. Member, Institute of Medicine Standing Committee on Medical and Public Health Research During Large Scale Emergency Events

2016-2018. Member. Department of Health and Human Services. National Institute of Environmental Health Sciences Best Practices Working Group for the Development of Special Considerations for Institutional Review Board Review of Disaster and Emergency Related Public Health Research

MARITIME EXPERIENCE

1996. U.S. Marine Management, Inc. Norfolk, VA

Chief Officer (senior navigation officer and second-in-command) of ocean-going vessel with broad responsibilities for safe and efficient operation. Implemented changes in risk management protocol to comply with new international regulations and achieved successful external audit. Directed physical and information security planning and operations. Directed firefighting, lifesaving, and damage-control drills and training. Wrote vendor contract specifications and ensured compliance.

1994. Pacific Gulf Marine, Inc. Gretna, LA

Served as Third Officer (temporary assignment during graduate school) of bulk freighter. Responsible for lifesaving and damage-control equipment.

1991, 1992. U.S. Marine Management, Inc. Norfolk, VA

Served as Chief Officer aboard various vessels.

1991-1992. International Marine Carriers, Inc. Mineola, NY

Second Officer. Outfitted the ship's bridge with a complete complement of navigational equipment, charts, and publications. Planned and monitored maintenance of all navigational equipment. Planned and monitored all aspects of ship's navigation. Assessed navigation hazards, dangerous weather, and vital aspects of the ocean environment to ensure safe operations.

1987-1991. Sea Mobility, Inc. Norfolk, VA

Second or Third Officer aboard various vessels. Navigated vessel. Maintained firefighting and lifesaving systems. Trained crew in damage control procedures. Served as physical security team leader.