

Joseph E. Trainor, PhD

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Education

Doctorate of Philosophy in Sociology, University of Delaware (2009)

- Dissertation: Extreme Occasions as Organizational Context: A Contingency Perspective on FEMA'S "Fit" During the Response to Katrina*
- Comprehensive Exams: Social Deviance; Collective Behavior, Social Movements, and Disasters*

Master of Arts in Sociology, University of Delaware (2004)

- Thesis: Searching for a System: Multi-organizational Coordination in the September 11th World Trade Center Search and Rescue Response.*

Bachelor of Arts with a Double Major in Sociology and Psychology,
Millersville University (2002)

- Cum Laude
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Professional Positions

1. **Interim Dean**, Joseph R. Biden Jr. School of Public Policy and Administration, University of Delaware (2024-present)
 2. **Professor**, Joseph R. Biden Jr. School of Public Policy and Administration, University of Delaware (2020- present)
 3. **Core Faculty**, Disaster Research Center (DRC), University of Delaware (2009-present)
 4. **Deputy Dean**, Joseph R. Biden Jr. School of Public Policy and Administration, University of Delaware (2022-2024)
 5. **Associate Dean of Academic Affairs**, Joseph R. Biden Jr. School of Public Policy and Administration, University of Delaware (2020-2022)
 6. **President**, Impact360 Alliance (2018-2020)
 7. **Director of Doctoral Studies**, Joseph R. Biden Jr. School of Public Policy and Administration, University of Delaware (2018- 2020)
 8. **Program Director**, Disaster Science and Management, Joseph R. Biden Jr. School of Public Policy and Administration, University of Delaware (2016-2020, 2022-2023)
 9. **Associate Professor**, Joseph R. Biden Jr. School of Public Policy and Administration, University of Delaware (2016-2020)
 10. **Assistant Professor**, School of Public Policy and Administration, University of Delaware (2012- 2016)
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11. **Research Assistant Professor**, Department of Sociology and Criminal Justice, School of Public Policy and Administration, University of Delaware (2009-2012)
12. **Staff Researcher**, Disaster Research Center (DRC), University of Delaware (2006-2009)
13. **Projects Coordinator**, Disaster Research Center (DRC), University of Delaware (2004-2006)
14. **Graduate Research Assistant**, Disaster Research Center (DRC), University of Delaware (2002- 2004)
15. **Undergraduate Research Assistant**, Disaster Research Group, Millersville University (2000 – 2002)

Scholarship

<https://orcid.org/0000-0002-1676-1985>

+ Undergraduate student co-author, * Graduate student co-author

1. **Peer-Reviewed Books**

- 1.1. Rodríguez, H., Donner, W. & Trainor, J.E. (Eds.). (2018). *Handbook of Disaster Research* (2nd ed.). New York, NY: Springer.
- 1.2. Trainor, J. E. & Subbio, T. (Eds.). (2014). *Issues in disaster science and management: a critical dialogue between researchers and practitioners*. Emmitsburg, MD: Federal Emergency Management Agency Higher Education Program.

2. **Peer-Reviewed Articles**

- 2.1. Williams, C.*, Davidson, R., Nozick, L., Millea, M., Kruse, J., and Trainor, J. (Under review) A comparison of regional land use alternatives with a risk-centered approach.
- 2.2. Guo, C.*, Liu, D., Nozick, L., Millea, M., Kruse, J., Williams, C., Davidson, R., and Trainor, J., (Under review). Comprehensive Approach to Reduce Hurricane Risk with a Focus on Equity and Economic Prosperity. Disaster and Risk Research: Global Alliance of Disaster Research Institute (GARDI), Springer-Nature.
- 2.3. Bian, R., Murray-Tuite, P., Trainor, J., Edara, P., Triantis, K (2023) Sequentially Modeling Household Accommodation, Destination, and Departure Time Choices. *International Journal of Mass Emergencies and Disasters*. <https://doi.org/10.1177/02807270231211834>
- 2.4. Williams, C.*, Davidson, R., Nozick, L., Millea, M., Kruse, J., and Trainor, J.,(2023) Single-family Housing inventory projection method for

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natural hazard modeling applications. *Natural Hazards*. 119 (1),409-434
<https://doi.org/10.1007/s11069-023-06132-5>

2.5. Slotter, R.*, Milea, M., Trainor, J.E., Davidson, R. Kruse, J., Nozick, L. (2023) Mitigation Insights from Emergency Managers on Working with Stakeholders. *Journal of Emergency Management*. 21(2) March/April
<https://doi.org/10.5055/jem.0699>

2.6. Bian, R.. Murray-Tuite, P.. Trainor, J. Edara,P. Triantis, K. (2023.) Modeling Evacuees' Intended Responses to a Phased Hurricane Evacuation Order. *Applied Sciences* 13(8) 5194 <https://doi.org/10.3390/app13085194>

2.7. Guo, C*. Nozick, L. Kruse, J. Millea, M. Davidson, R. Trainor, J. (2022) Dynamic modeling of public and private decision-making for hurricane risk management including insurance, acquisition, and mitigation policy *Risk Management and Insurance Review* <https://doi.org/10.1111/rmir.12215>

2.8. Williams, C*, Davidson, R. Nozick, L.K, Trainor, J.E. Millea, M. and Kruse, J.L. (2022) Regional County-level housing inventory predictions and the effects on hurricane risk. *Natural Hazards and Earth System Sciences*. 22,1055–1072 <https://doi.org/10.5194/nhess-22-1055-2022>

2.9. Maduka-Ezeh, A.* , Bagozzi, B.E, Gardesey, M. , Ezeh, I.T. Nibbs*, F Nwegbu, S, Mai, R, Horney, J.A. , & Trainor, J.E. (2022) 'Inspired to Action': Immigrants' Faith-Based Organizations' Responses across Two Pandemics, *Journal of Immigrant & Refugee Studies*, DOI: [10.1080/15562948.2022.2035036](https://doi.org/10.1080/15562948.2022.2035036)

2.10. 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 [https://doi.org/10.1061/\(ASCE\)NH.1527-6996.0000495](https://doi.org/10.1061/(ASCE)NH.1527-6996.0000495)

2.11. Chang, D. Edara, P. Murray-Tuite, P. Trainor,J. and Triantis,K. (2021) Taking the Freeway: Inferring Evacuee Route Selection from Survey Data. *Transportation Research Interdisciplinary Perspectives*. 11.
<https://doi.org/10.1016/j.trip.2021.100421>

2.12. Stock, A+, Davidson, R.A., Trainor, J.E., Slotter, R., Nozick, L., and Kruse, J. (2021.) What makes homeowners consider protective actions to reduce natural disaster risk?: An application of the precaution adoption process model and life course theory. *International Journal of Disaster Risk Science* <https://doi.org/10.1007/s13753-021-00350-w>

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- 2.13. Maduka-Ezeh, A*, Ezeh, I.T. , Bagozzi, B.E. Horney, J.A. Nwegbu, S. and Trainor, J.E. (2021.) U.S. Immigrants' Experiences with the COVID-19 Pandemic- Findings from Online Focus Groups. *Journal of Health Disparities Research and Practice*. 14:1(3)
<https://digitalscholarship.unlv.edu/jhdrp/vol14/iss1/3>
- 2.14. Chang, R*. and Trainor, J.E. (2021) "Balancing Mechanistic and Organic Design Elements: The Design and Implementation of the Incident Command System (ICS)" *International Journal of Mass Emergencies and Disasters*. <http://ijmed.org/articles/793/>
- 2.15. Greer, A.*, and Trainor, J. (2021) A System Disconnected: Perspectives on Post Disaster Housing Recovery Policy and Programs, *Natural Hazards*. 106, 303-326. <https://doi.org/10.1007/s11069-020-04463-1>
- 2.16. Slotter, R. A.*, Trainor, J.E., Davidson, R., Kruse, J., & Nozick, L. (2020). "Hurricane Mitigation Decision-Making: The Theory of Planned Behavior Approach." *Journal of Flood Risk Management*. 13(4).
<https://doi.org/10.1111/jfr3.12667>
- 2.17. Zou, Y.*, Stock, A.+ , Davidson, R., Nozick, L. Trainor, J. and Kruse, J. (2020) Perceived Attributes of Hurricane-related Retrofits and their effect on household adoption. *Natural Hazards*. 104. p201-224.
<https://doi.org/10.1007/s11069-020-04165-8>
- 2.18. Alwidyan, M*, Oteir, A.O., Trainor, J.E. (2020) Working during Pandemic Disasters: Views and Predictors of EMS Providers. *Disaster Medicine and Public Health Preparedness*, 1-15.
<https://doi:10.1017/dmp.2020.131>
- 2.19. Wang, D.*, Davidson, R. Nozick, L, Trainor, J. Kruse, J. (2020.) A Computational Framework to Support Government Policy-making for Hurricane Risk Management. *Natural Hazards Review* 21(1).
[https://doi.org/10.1061/\(ASCE\)NH.1527-6996.0000348](https://doi.org/10.1061/(ASCE)NH.1527-6996.0000348)
- 2.20. Alwidyan, M.*, Trainor, J.E., Bissel, R. (2020.) Natural Disasters vs. Disease Outbreaks: Do EMS Providers Have Different Views?. *International Journal of Disaster Risk Reduction*. 44.
<https://doi.org/10.1016/j.ijdr.2019.101440>
- 2.21. Chiew, E.*, Davidson, R. Trainor, J.E. Nozick, L., and Kruse, J. (2019.) The Impact of Grants on Homeowner Decisions to Retrofit to

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Reduce Hurricane-Induced Wind and Flood Damage." *Weather Climate and Society*. 12(1). <https://doi.org/10.1175/WCAS-D-18-0139.1>

2.22. Greer, A.*, Trainor, J.E., and McNeil, S. (2019) Household Residential Decision Making in the Wake of Disaster: Re-interpreting the Empirical Record. *International Journal of Mass Emergencies and Disasters*. 37(2). <http://www.ijmed.org/articles/766/>

2.23. Clay, L.*, Goetschius, J.*, Papas, M.A. Trainor, J., Martins, N.*, and Kendra, J. (2019.) Does Preparedness Matter? The influence of household preparedness on disaster outcomes during Superstorm Sandy. *Disaster Medicine and Public Health Preparedness*, 14(1), 71-79. <https://doi.org/10.1017/dmp.2019.78>

2.24. Frimpong, E.*, J. Kruse, G. Howard, R. Davidson, J. Trainor, L. Nozick. (2019) Measuring Heterogeneous Price Effects for Home Acquisition Programs in at-risk regions. *Southern Economic Journal*. 85(4). <https://doi.org/10.1002/soej.12341>

2.25. Chang, R*. and Trainor, J.E. (2018) Pre-disaster Established Trust and Relationships: Two Major Factors Influencing the Effectiveness of Implementing the ICS. *Journal of Homeland Security and Emergency Management*. 15(4.) <https://doi.org/10.1515/jhsem-2017-0050>

2.26. Jasour, Z.Y.*, Davidson, R.A., Trainor, J.E., Kruse, J. Nozick, L.K. (2018) Homeowner decisions to retrofit to reduce hurricane-induced wind and flood damage. *Journal of Infrastructure Systems*. 24(4.) [https://doi.org/10.1061/\(ASCE\)IS.1943-555X.0000452](https://doi.org/10.1061/(ASCE)IS.1943-555X.0000452)

2.27. Robinson, C.S+. Davidson, R.A., Trainor, J.E., Kruse, J.L., Nozick, L.K. (2018) Homeowner acceptance of voluntary property acquisition offers. *International Journal of Disaster Risk Reduction* (31,) p234-242. <https://doi.org/10.1016/j.ijdrr.2018.05.002>

2.28. Yoder-Bontrager*, D., Trainor, J.E., Swenson, M+. (2017) Giving Attention: Reflections on Severe Weather Warnings and Alerts on Mobile Devices. *International Journal of Mass Emergencies and Disasters*. (25,) 161-190 <http://ijmed.org/articles/732/>

2.29. Links, J. M., Schwartz, B. S., Lin, S., Kanarek, N., Mitrani-Reiser, J., Sell, T. K., Watson, C. R., Ward, D., Slempp, C., Burhans, R., Gill, K., Igusa, T., Zaho, X., Aguirre, B., Trainor, J., Nigg, J., Inglesby, T., Carobone, E., Kendra, J.M. (2017). COPEWELL: A Conceptual Framework and System Dynamics Model for Predicting Community Functioning and Resilience

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After Disasters. *Disaster Medicine and Public Health Preparedness*, 1–11. Cambridge University Press. [DOI: 10.1017/dmp.2017.39](https://doi.org/10.1017/dmp.2017.39)

2.30. Wang, D.*, Davidson, R. A., Trainor, J. E., Nozick, L., & Kruse, J. (2017). Homeowner purchase of insurance for hurricane-induced wind and flood damage. *Natural Hazards Review*, 1(88,) 221–245. <https://doi.org/10.1007/s11069-017-2863-x>

2.31. Selmi, A.A. V.Murray, C. Wannous, C.Dickinson, D. Johnston, A. 9 Kawasaki, A. Stevance and T.Yeung, Contributing Authors D.A. Khudhairi, D.Alexander, B. Aliko, C. Allen, A. Ardalan, P.Basabe, D. Berod, S. Bhatia, D. Bicknell, K. Blanchard, G. Boulton, O.Cardona, A. Castleton, I. Clark, C. Corbane, S. Corbett, L. Cumiskey, T. De Groeve, H. Jacot Des Combes, C. Duncan, D. Ehrlich, D. Feinholz, M.Fordham, R. Francis, L. Gritzo, D. Guttieres, A. Hainsworth, H. Hayashi, M.Herrgård, T.Hoang, A.Holloway, T. Kaoru, L. Kimber, J. Kinderlerer, T. Koike, J. Luther, A. Makarigakis, G. McBean, R. Muir-Wood, G. Mulugeta, D. O'Mathúna, Y. Ono, B. Patton, K. Peters, C. Pettigrew, J.Rees, F. Renaud, J. Rovins, P. Ruti, S. Safaie, J.Schneider, P. Shi, V.Silva, A.Simpson, RB Singh, L. Spini, S. Suzuki, K. Takeya, J. Terry, K.Tierney, P. Towashiraporn, J. Trainor, A. Triyanti and D.Wenger (2016) Reflections on a science and technology agenda for 21st Century Disaster Risk Reduction. *Journal of Disaster Risk Science*. 7(1,) 1-29 <https://doi.org/10.1007/s13753-016-0081-x>

2.32. Herrera-Restrepo*, O., Triantis, K.P., Trainor, J.E., Murray-Tuite, & P., Edara, P. (2016). A multi-perspective dynamic network performance measurement approach for evacuation planning: A dynamic network-DEA approach. *Omega*, The International Journal of Management Science. Special Issue: DN-DEA in the Service Sector. (60,) 45-59 <https://doi.org/10.1016/j.omega.2015.04.019>

2.33. Trainor, J.E., Nagele, D.*, Philips, B., & Scott, B.+ (2015). Tornado prediction, social science, and the false alarm effect. *Weather, Climate, and Society*, 7(4,) 333-352. <https://doi.org/10.1175/WCAS-D-14-00052.1>

2.34. Lindell, M.K., Sutter, D.S. & Trainor, J.E. (2013). Individual/household behavioral response to tornados. *International Journal of Mass Emergencies and Disasters*. 31(3,) 373-383. <http://ijmed.org/articles/634/>

2.35. Trainor, J.E. & Velotti*, L. (2013). Leadership in Disasters and Catastrophes. *Journal of Leadership Studies*. 7(3,) 38–40.

2.36. Trainor, J.E., Murray-Tuite, P. Edara, P. Fallah-Fini*, S. & Triantis, K. (2013). An interdisciplinary approach to evacuation modeling.

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Natural Hazards Review. Special Issue: Interdisciplinary and multimodal nature of evacuations: nexus of research and practice. 14, 151–162.

[https://doi.org/10.1061/\(ASCE\)NH.1527-6996.0000105](https://doi.org/10.1061/(ASCE)NH.1527-6996.0000105)

2.37. Velotti*, L., Trainor, J.E., Torres*, M.R., Myamoto*, T., & Engel*. K. (2013). Vertical evacuation as an emergency management strategy. *International Journal of Mass Emergencies and Disasters*. 31(1,) 60-77. <http://www.ijmed.org/articles/614/download/>

2.38. Nagele, D.* & Trainor, J.E. (2012.) Geographic specificity and public response to tornado warnings. *Weather, Climate, and Society*. 4(2,) 145-155. <https://doi.org/10.1175/WCAS-D-11-00047.1>

2.39. Kolen*, B., Velotti*, L., Trainor, J.E., & Van Ruiten, K. (2011). U.S experience to define safety standards for flood response planning in the Netherlands. *Water Governance*. 1(3,) 53-59.

2.40. Barsky, L.*, Trainor, J.E., Torres*, M. & Aguirre, B. (2007). Managing volunteers: FEMA's urban search and rescue program and interactions with unaffiliated responders in disaster response." *Disasters: The Journal of Disaster Studies, Policy, and Management*. 31(4,) 495-507. [DOI: 10.1111/j.1467-7717.2007.01021.x](https://doi.org/10.1111/j.1467-7717.2007.01021.x)

2.41. Buck, D.A., Trainor, J.E. and Aguirre, B.A. (2006). A critical evaluation of the incident command system and NIMS. *Journal of Homeland Security and Emergency Management*. 3(3):1. <https://doi.org/10.2202/1547-7355.1252>

2.42. Wachtendorf, T., Kendra, J., Rodríguez, H. & Trainor, J.E. (2006). The social impacts and consequences of the December 2004 Indian Ocean tsunami: observations from India and Sri Lanka." *Earthquake Spectra*. 22(S3) S693-S714. <https://doi.org/10.1193/1.2202650>

2.43. Rodríguez, H., Wachtendorf, T. Kendra, J. & Trainor, J.E. (2006). A snapshot of the 2004 Indian Ocean tsunami: societal impacts and consequences." *Disaster Prevention and Management Journal*. 15(1,)163-177. <https://doi.org/10.1108/09653560610654310>

2.44. Rodríguez, H., Trainor, J.E., & Quarantelli, E.L. (2006). "Rising to the challenges of a catastrophe: the emergent and pro-social behavior following Hurricane Katrina. *The Annals of the American Academy of Political and Social Science*. 604(1,) 82-101. <https://doi.org/10.1177/0002716205284677>

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2.45. Trainor, J.E. (2004). Searching for a system multi-organizational coordination in the September 11th World Trade Center search and rescue response." Public Entity Risk Institute, Also available as University of Delaware, Disaster Research Center Preliminary Paper #343.

3. **Book Chapters**

3.1. Kecheng Xu, Linda Nozick, Jamie Kruse, Rachel Davidson, Joseph Trainor. (2018.) Affordability of Natural Catastrophe Insurance: Game-theoretic analysis and geospatially explicit case study In *GEOValue: The Socioeconomic Value of Geospatial Information*. Brown, J.K. Crompvoets, J. and Pearlman, F. (Eds) Taylor and Francis

3.2. Trainor, J.E., Stern. E. and Subbio, T (2018) On Research and Practice in Disaster Science and Management. In *Handbook of Disaster Research*. Rodriguez, H., Donner, W. & Trainor, J.E. (Eds.) New York, NY: Springer.

3.3. Barnshaw, J. & Trainor, J.E. (2010). Race, class, and capital amidst the Hurricane Katrina diaspora. In Brunnsma, J., Overfelt, D. & Picou, S. (Eds.), *The Sociology of Katrina: perspectives on a modern catastrophe*. (pp 103-118). Lanham. Maryland: Rowman & Littlefield.

3.4. Aguirre, B.A., & Trainor, J.E. (2010). Emergency management in Cuba: disasters experienced, lessons learned, and recommendations for the future. In McEntire, D. (Ed.), *Comparative emergency management*. Emmitsburg, MD: Federal Emergency Management Agency Higher Education Program.

3.5. Engel, K.+ & Trainor. J.E. with Harrald, J.R., McNeil, S., Shaw, G., & Zannoni, M. (2010). Floods and disaster management in the NL: god created the world, but the Dutch created the N.L." in McEntire, D. (Ed.), *Comparative Emergency Management*. Emmitsburg, MD: Federal Emergency Management Agency Higher Education Program.

3.6. Barnshaw, J. & Trainor, J.E. (2007). Race, class, and capital amidst the Hurricane Katrina diaspora. In Brunnsma, J., Overfelt, D. & Picou, S. (Eds.), *The Sociology of Katrina: Perspectives on a modern catastrophe*. (pp 103-118). Lanham. Maryland: Rowman & Littlefield.

3.7. Trainor, J.E., Donner, W., & Torres, M. (2006). There for the storm: warning, response, and rescue among non-evacuees in Hurricane Katrina. In *Learning from Catastrophe: Quick Response Research in the Wake of Hurricane Katrina*. (pp 307-326). Boulder, CO: The Natural Hazards Center.

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4. Book Reviews

4.1. Trainor, J.E. (2020). *Review of Disaster Upon Disaster: Exploring the Gap Between Knowledge, Policy, and Practice* edited by Susanna M. Hoffman and Roberto E. Barrios. Recovery Diva

4.2. Trainor, J.E. (2011). [Review of the shock of the news: media coverage and the making of 9/11 by Monahan, B.] *Journal of Homeland Security and Emergency Management* 8(1): 2.

4.3. Trainor, J.E. (2004). [Review of Chicago death trap by Brandt, N.] *Journal of Contingencies and Crisis Management*. 12(4) 170-176.

5. Research Reports and Professional Publications

5.1. Slotter, R. Trainor, J. Nibbs, F. Davidson, R. Kruse, J. Nozick, L., Milei, M, and Kain, D. (2021) Stakeholder Perceptions of Mitigation and Insurance: Meeting Report. *DRC Report #TBD*

5.2. Michaud, M.S., Trainor, J.E., Philips, B. League, C. (2020) SEES Supplemental Report: Social, Behavioral and Economic Science Data in the National Weather Service. *DRC Report #TBD*

5.3. National Academies of Sciences, Engineering, and Medicine (2018) *Integrating Social and Behavioral Sciences Within the Weather Enterprise*. Washington, DC: The National Academies Press. doi: <https://doi.org/10.17226/24865>.

5.4. Kwasinski, A., Trainor, J.E., Francis, R., Chen, C. and Lavelle, F.M. (2017) *Further Development of a Conceptual Framework for Assessing Resilience at the Community Scale*. National Institute of Standards and Technology.

5.5. Writing Committee. (2017.) *The Alliance for Integrative Approaches to Extreme Environmental Events: A Community-Developed Concept, Organization, and Start-Up Plan*

5.6. Kwasinski, A., Trainor, J.E., Wolshon, B. and Lavelle, F.M. (2016) *A Conceptual Framework for Assessing Resilience at the Community Scale*. National Institute of Standards and Technology. NIST CGR 16-001

5.7. Lindell, M.K., Sutter, D.S., & Trainor, J.E. (2012). Individual/household behavioral response to tornados" Proceedings from the workshop on a weather-ready nation: science imperatives for severe thunderstorm research. Norman, OK.

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- 5.8. Bas*, K., Hommes, S., Trainor, J.E., van Ruiten, K., & Shaw, G. (2012). Flood response an introduction. In *Flood Preparedness in the Netherlands: A US Perspective*. (pp 7-31). Netherlands: NUWCREN.
- 5.9. Van Dongen, K., Trainor, J.E., & Ritchie, L. (2012). Managing the response to large-scale floods. In *Flood Preparedness in the Netherlands: A US Perspective*. (pp 77-101). Netherlands: NUWCREN.
- 5.10. Velotti, L.*, Trainor, J.E., Torres*, M., Kolen*, B. & Engel*, K. (2012). "Vertical evacuation: rethinking urban, rural and social space. In *Flood Preparedness in the Netherlands: A US Perspective*. (pp 103-117). Netherlands: NUWCREN.
- 5.11. Trainor, J.E. with Barsky*, L. (2011). Reporting for duty? : a synthesis of research on role conflict, strain, and abandonment among emergency responders during disasters. Virginia Department of Emergency Management & Disaster Research Center Miscellaneous Report #71.
- 5.12. Rosenthal, U., Engel*, K., Zannoni, M., McNeil, S., Trainor, J., Harrald, J.R., & Shaw, G. (2009). Strengthening Flood Management Through U.S. – Dutch cooperation: Learning from a Large Scale Flood Exercise in the Netherlands: Process. Final Report to the Ministry of Transport, Public Works, and Water Management & DRC Miscellaneous Report #66.
- 5.13. Rosenthal, U., Engel*, K., Zannoni, M., McNeil, S., Trainor, J., Harrald, J.R., & Shaw, G. (2009). Strengthening flood management through U.S. – Dutch cooperation: Learning from a Large Scale Flood Exercise in the Netherlands: Findings. Final Report to the Ministry of Transport, Public Works, and Water Management & DRC Miscellaneous Report #67.
- 5.14. Trainor, J.E. & McNeil, S. (2008). *A brief summary of social science warning and response literature*. Report to COT Institute for Safety, Security and Crisis Management & DRC Miscellaneous Report #62.
- 5.15. Trainor, J.E., Aguirre, B.E. & McNeil, S. 2008. *A Brief Summary of Search and Rescue Literature*. Report to COT Institute for Safety, Security and Crisis Management & DRC Miscellaneous Report #61.
- 5.16. Trainor, J.E., McNeil, S., Harrald, J.R. & Shaw, G. (2008). *Learning from a Large Scale Flood "Waterproef" Exercise in the Netherlands: Preliminary Observations*. Report to COT Institute for Safety, Security and Crisis Management.

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- 5.17. Trainor, J.E. & Nickels, M. (2008). University of Delaware Critical Incident Communication Policy. Newark, DE: University of Delaware.
- 5.18. Nickels, M. & Trainor, J.E. (2008). University of Delaware Critical Incident Action Plan. Newark, DE: University of Delaware.
- 5.19. Trainor, J.E., Barnshaw, J. & Aguirre, B.E. (2008). Social Scientific Insights on Preparedness for Public Health Emergencies. Report to the Delaware Health and Social Services Agency (DHSS) & DRC Miscellaneous Report #59.
- 5.20. Barsky, L., Trainor, J.E., & Torres, M. (2006). *Disaster realities in the aftermath of Hurricane Katrina: revisiting the looting myth*. Quick Response Research Report #184. Boulder, Colorado: University of Colorado Natural Hazards Center & DRC Miscellaneous Report #53.
- 5.21. Rodriguez, H., Wachtendorf, T. Kendra, J. & Trainor, J.E. (2005). The Indian Ocean Tsunami: Summary Report of Findings in India and Sri Lanka. Earthquake Engineering Research Center (EERI)
- 5.22. Rodríguez, H., Wachtendorf, T. Kendra, J., Trainor, J.E. & Subramanian. (2005). The Indian Ocean Tsunami: Preliminary Field Report on India. Earthquake Engineering Research Center(EERI)
- 5.23. Rodríguez, H., Wachtendorf, T. Kendra, J., Trainor, J.E. & Alagan, R. (2005). The Indian Ocean Tsunami: Preliminary Field Report on Sri Lanka. Earthquake Engineering Research Center(EERI)
- 5.24. Tierney, K. & Trainor, J.E. (2004). Networks and resilience in the World Trade Center disaster. Research Progress and Accomplishments: Multidisciplinary Center for Earthquake Engineering Research. 158-172.

6. Professional and Invited Publications

- 6.1. Subbio, T. & Trainor, J.E. (2015). Issues in disaster science and management: the results. International Association of Emergency Managers Bulletin. 33(2) p12-13.
- 6.2. Lovekamp, W. E., & Trainor, J.E. (2013). 30 years of dissertation trends in disaster studies" HAZNET. Canadian Risk & Hazards Network. 5(1) 11-14.
- 6.3. Subbio, T. & Trainor, J.E. (2013). "Issues in disaster science and management. International Association of Emergency Managers Bulletin Online Edition. 30(5) 33.

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- 6.4. Nagele, D.,* & Trainor, J.E. (2011). Human response to tornado warnings. HAZNET. Canadian Risk & Hazards Network 3(1) 12-14.
- 6.5. Engel, K.*, Torres*, M., & Trainor, J.E. (2010). What the Netherlands should know about large-scale foreign assistance' (original in Dutch: 'Wat Nederland moet weten over grootschalige buitenlandse bijstand' Magazine nationale veiligheid en crisisbeheersing (Magazine national security and crisis management) 8(5) 24-25.
- 6.6. Engel, K.*, Harrald, J.S., Kolen*, B., Torres*, M., Trainor, J.E., Veldhuis, P., Velotti, L. & Zannoni, M. (2010). 'Is vertical evacuation feasible or not? (original in Dutch: 'Is verticale evaluatie haalbaar of niet?). Magazine nationale veiligheid en crisisbeheersing (Magazine national security and crisis management), 8(5) 34-36.
- 6.7. Rodríguez, H., Wachtendorf, T. Kendra, J. & Trainor, J.E. (2005). The Indian Ocean Tsunami: a preliminary assessment of societal impacts and consequences. EERI Newsletter. 39(5): Special Report Insert
- 6.8. Trainor, J.E. , Rodríguez, H., Wachtendorf, T., & Kendra, J. (2005). More than a wave: exploring the social impacts of the Indian Ocean Tsunami. Natural Hazards Observer. XXIX(5) 1-2
- 6.9. Trainor, J.E. (2003). Reflections of A First-Year Graduate Student. *Unscheduled Events*. 21(3) 8-10

Research Funding

1. **Senior Personnel** (2022-2027) (NSF) Coastal Hazards, Equity, Economic Prosperity and Resilience (CHEER) \$16,383,768 total award
2. **Co-Principal Investigator** (2021) (DEMA) Risk Communication: How to improve risk communication during a public health crises. \$40,000
3. **Co-Principal Investigator** (2018-2024). Leap HI: Embedding Regional Hurricane Risk in the Life of a Community: A Computational Framework. \$2,015,619 award.
4. **Co-Principal Investigator** (2016-2019). (UMASS/NOAA) A Database on Human Perception and Response to Tornadoes and Severe Weather. \$50,000 of \$100,000 total award.
5. **Co-Principal Investigator** (2015-2020). Multi-stakeholder evacuation performance. *National Science Foundation (NSF)*. \$620,000 total award.

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6. **Co-Principal Investigator** (2015-2018). *An interdisciplinary approach to household strengthening and insurance decisions. Department of Homeland Security (DHS). \$248,000 award.*
7. **Co-Principal Investigator** (2014-2017). *Collaborative research: an interdisciplinary approach to modeling multiple stakeholder decision-making to reduce regional natural disaster risk. National Science Foundation (NSF). \$554,345 total award*
8. **Co-Principal Investigator** (2014-2015). *Using information at different spatial scales to estimate demand to support asset management decision-making. Center for Advanced Infrastructure and Transportation (CAIT). \$50,000 award*
9. **Co-Principal Investigator** (2013-2019). *Hazards SEES Next Generation Warning Systems for Tornadoes and Flash Floods, National Science Foundation (NSF). \$2,000,000 total award.*
10. **Senior Personnel** (2013-2015). *Promoting community resilience in New York City after Sandy: a model-based approach. New York City Department of Health and Human Services.*
11. **Co-Principal Investigator** (2013-2014). *Understanding the Relationships Between Household Decisions and Infrastructure Investment in Disaster Recovery: Cases from Superstorm Sandy. Tier I University Transportation Center Consortium led by CAIT. \$50,000 award.*
12. **Principal Investigator** (2013-2014). *Doctoral Dissertation Improvement. Grant. National Science Foundation (NSF). \$9,976 award.*
13. **Senior Personnel** (2013-2014). *Modeling Natural Disaster Risk Management: A Stakeholder Perspective. National Institute of Standards and Technology (NIST). \$30,000 award.*
14. **Senior Personnel** (2012-2014). *Towards a Community Resilience Index. Center for Disease Control (CDC).*
15. **Principal Investigator** (2012-2014). *Issues in Disaster Science and Management: A Critical Dialogue between Scientists and Emergency Managers. Federal Emergency Management Agency (FEMA). \$88,122 award.*
16. **Principal Investigator** (2010-2011). *Reporting For Duty, Federal Emergency Management Agency (FEMA). \$24,975 award.*

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17. **Co-Principal Investigator** (2009-2011). *International Research Network, Riksbankens Jubileumsfond Swedish Central Bank Tricentenary Fund. \$40,000 award.*
18. **Principal Investigator** (2009-2013). *Technology, Weather Forecasts, and Warnings: Integrating the End-User Community.* National Science Foundation (NSF). Center for Collaborative Adaptive Sensing of the Atmosphere (CASA). *\$750,000 of \$40,000,000 total award.*
19. **Principal Investigator** (2009-2012). *Netherlands U.S. Water Crisis Research Network (NEUWCRN).* Netherlands Ministry of Public Works, Transport, and Water Management. *\$1,200,000 total award.*
20. **Co-Principal Investigator** (2008). *Learning from a Large Scale Flood Exercise in the Netherlands,* COT Institute for Safety, Security, and Crisis Management. *\$25,000 award.*
21. **Co-Principal Investigator** (2008). *Infrastructure Security and Emergency Preparedness.* Funded by the University of Delaware Urban Transportation Center and Delaware Department of Transportation. *\$111,215 award.*
22. **Co-Principal Investigator** (2007). *Scientific Insights on Preparedness for Public Health Emergencies.* Funded by the Delaware Department of Health and Human Services. *\$40,000 award.*
23. **Principal Investigator** (2006). *Disaster Outreach: Emergency Operations Planning for Delaware City.* Delaware City. *\$6,000 award.*

Research Presentations

* Graduate student co-author

+ Undergraduate student co-author

1. **Academic Presentations**

1.1. Lu, D., Nozick, L., Millea, M., Davidson, R., Williams, C., Kruse, J., and Trainor, J. (2023) Combining Retrofits, Buyouts, and Insurance to Reduce Loss and Improve Recovery) from Hurricanes. International Conference on Application of Statistics and Probability in Civil Engineering (ICASP14), Dublin, Ireland

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- 1.2. Davidson, R. Kruse, J. Millea, M. ,Nozick, L., Trainor, J.E. (2023.) Hurricane policy support through the integration of disciplinary contributions. ASCE Inspire. Arlington, VA
- 1.3. Trainor, J.E. (2023) Urban Resilience to Disasters and Crises. APPAM Fall Research Conference Atlanta, GA., November 8-11
- 1.4. Nibbs, F., Slotter, R., and Trainor J.E.(2023) Household Decision-Making for Hazard Risk Mitigation. APPAM Fall Research Conference Atlanta, GA., November 8-11
- 1.5. Porada, M., Davidson, R. and Trainor, J.E. (2023) Household Decision-Making Related to Structural Retrofits: A Precaution Adoption Process Model Approach, Poster Presentation, Natural Hazards Workshop. Broomfield, CO July
- 1.6. Trainor, J.E (2023) Ethical and Culturally Informed Recovery: THE Challenges of Bureaucracy. Natural Hazards Workshop. Broomfield, CO July 11.
- 1.7. Maldonado, J. Brown, K., Marino, E., Olson,L. Trainor, J.E, Villarreal,M. (2023) Ethical and Culturally Informed Recovery: THE Challenges of Bureaucracy. Natural Hazards Workshop. Broomfield, CO July 11.
- 1.8. Williams, C., Davidson, R., Nozick, L., Trainor, J., Kruse, J., Millea, M. (2022.) A Changing Regional Housing Inventory and the Effects on Natural Hazard Risk. 12th National Conference on Earthquake Engineering, Salt Lake City, UT, June 27-July 1.
- 1.9. Williams, C., Davidson, R., Nozick, L., Trainor, J., Kruse, J., Millea, M. 2021. Decision-Support Tool for Testing Managed Retreat Policies: A Framework. At What Point Managed Retreat? Resilience, Relocation, and Climate Justice, June, The Earth Institute, Columbia University.
- 1.10. Trainor, J.E. (2019) Bridging Research and Practice. Natural Hazards Workshop, Broomfield, CO.
- 1.11. Trainor, J.E. (2019) Uncertainty from a Sociological Perspective. American Meteorological Society Annual Meetings. Phoenix, AZ
- 1.12. Trainor, J.E. (2019.) Converging Research and Practice. Natural Hazards Workshop, Broomfield, CO.
- 1.13. Phillips, B, J. Trainor, C. League, A. Everly, J. Frizell, D. Westbrook, E. Lyons, A. Bajaj. (2018) Living Labs as a Method to Foster

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Practice-Relevant Research. New Directions in Academic-Practitioner Research Collaborations Meeting. Barcelona, Spain

1.14. Trainor, J.E. (2018). Onwards: Identifying and Overcoming Barriers to Action. Natural Hazards Workshop, Broomfield, CO

1.15. Trainor, J.E. (2018). Time, Space, Attention, and Cognition, FEMA in Higher Education Meeting. Emmetsburg, MD

1.16. Davidson, R. A., Kruse, J., Nozick, L. K., & Trainor, J. E. (2017). An Interdisciplinary Approach to Household Strengthening and Insurance Decisions. Dept of Homeland Security Coastal Resilience Center Annual meeting. Chapel Hill, NC.

1.17. Wang, D.*, Davidson, R., Trainor, J.E., Nozick, L., Kruse, J. (2016) Modeling homeowner hurricane insurance purchasing behavior. Society for Risk Analysis Annual Meeting. San Diego, CA

1.18. Herrera-Restrepo, O.*, Triantis, K., Trainor, J.E., Murray-Tuite, P., Edara, P. (2015) Frontier Methods in Transportation Planning- The Case of Evacuation Planning. COTA. Beijing, China

1.19. Trainor, J.E. (2015) Publishing in Emergency Management: Lessons from Recent Authors. Presented at the FEMA in Higher Education Symposium. Emmetsburg, MD

1.20. Trainor, J.E. (2014). Where do we go from here: envisioning the future of warning Research: Presented at the NSF Disaster Communication Conference. Lexington, KY.

1.21. Trainor, J.E., Nagele, D.*, & Scott+, B. (2014). False alarm understanding and perception. Presented at the International Sociological Association Conference. Yokohama, Japan.

1.22. Gruber, C.+ & Trainor, J.E. (2014). Media and the communication of tornado risk. Presented at 39th Annual Natural Hazards Research and Applications Workshop. Broomfield, CO.

1.23. Chang, H.* & Trainor, J.E. (2014). An analysis of the incident command system. Presented at 39th Annual Natural Hazards Research and Applications Workshop. Broomfield, CO.

1.24. Greer*, A., Trainor, J.E. & McNeil, S. (2014). Understanding the relationships between household decisions and infrastructure investment in disaster recovery: cases from Superstorm Sandy. Presented at the

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International Research Committee on Disasters Researchers Meeting.
Broomfield, CO.

1.25. Trainor, J.E. & Subbio, T. (2014). "Issues in disaster science and management- The results. Presented at the FEMA in Higher Education Conference. Emmitsburg, MD.

1.26. Kendra, J., Nigg, J., Aguirre, B.E., Trainor, J.E., Louis-Charles*, H., Gregory*, S. & Martins*, N. (2014). Operationalizing the CoPE-WELL model for the New York City Hurricane Sandy Study. Presented at the DRC 50th Anniversary Workshop. Newark, DE.

1.27. Greer*, A., McNeil, S., Trainor, J.E., & Jahan*, I. (2014). Understanding the relationships between household decisions and infrastructure investment in disaster recovery: cases from Superstorm Sandy. Presented at the Center for Advanced Infrastructure and Transportation at UD Brown Bag Seminar. Newark, DE.

1.28. Trainor, J.E., Nagele, D.*, & Scott+, B. (2013). False alarm understanding and perception. Presented at the American Meteorological Society Annual Conference. Austin, TX.

1.29. Nagele, D.* & Trainor, J.E. (2012). Geographic specificity, tornadoes, and protective action. Presented at 37th Annual Natural Hazards Research and Applications Workshop. Broomfield, CO.

1.30. Velotti, L.*, & Trainor, J.E. (2012). The administration of safety. Presented at the International Research Committee on Disasters Hazards Researchers meeting. Broomfield, CO.

1.31. Trainor, J.E. (2012). Severe weather warnings and public response. Keynote Presentation at the Are Risk Event. Are, Sweden.

1.32. Nagele, D.* & Trainor, J.E. (2012) Geographic specificity, tornadoes, and protective action. Presented at National Severe Weather Workshop. Norman, OK.

1.33. Trainor, J.E. (2011). Do false alarm rates lead to desensitization?. Presented at weather-ready nation: a vital conversation. Norman, OK.

1.34. Trainor, J.E. & Velotti*, L. (2011). Catastrophe and the construction of safety: what haven't 9-11, Katrina and Japan taught us?. Presented at Society for the Study of Social Problems (SSSP) annual meeting. August 20th, 2011. Las Vegas, NV.

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- 1.35. Lovekamp, W. & Trainor, J.E. (2011). Trends in contemporary disaster dissertations. Presented at the American Sociological Association (ASA) annual meeting. Las Vegas, NV.
- 1.36. Subbio, T. & Trainor, J.E. (2011). Issues in disaster science and management. Presented at the FEMA in Higher Education conference. Emmitsburg, MD
- 1.37. Trainor, J.E. & Lovekamp, W. (2011). Trends in contemporary disaster dissertations. Presented at the FEMA in Higher Education conference. Emmitsburg, MD.
- 1.38. Trainor, J.E., Rodriguez, H., Diaz, W., Donner, W., Santos-Hernandez, J. (2010). Predicting the behavioral response to tornado threats. Presented at the International Research Committee/Natural Hazards Center Disasters Hazards Researchers Meeting. Broomfield, CO.
- 1.39. Trainor, J.E. (2010). Emergency management in the Netherlands. Presented at the FEMA in Higher Education Conference. Emmitsburg, MD
- 1.40. Trainor, J.E. (2010). Myths and realities surrounding public response. Invited Presentation at the National Academy of Science and Department of Homeland Security Workshop on Public Response to Alerts and Warnings on Mobile Devices. Washington, DC.
- 1.41. Trainor, J.E. (2009). Designed for disaster. Presented at the International Research Committee on Disasters Hazards Researchers meeting. Broomfield, CO.
- 1.42. Barnshaw, J., Trainor, J.E., & Aguirre, B.E. (2007). Disaster statistics and methodology. Presented at the 102nd Annual Meeting of the American Sociological Association (ASA). New York, NY.
- 1.43. Torres, M.R., Aguirre, B.E., Trainor, J.E., & Buck, R. (2007). Contrasting USAR response in the WTC and Pentagon 9/11 disasters: trust building, preexisting bonds, and inter-organizational response. Presented at the Annual American Sociological Association (ASA). New York, NY.
- 1.44. Trainor, J.E., Aguirre, B.E., & Buck, R. (2007). A critical evaluation of the incident command systems and NIMS. Presented at the FEMA in Higher Education Annual Conference. Emmitsburg, MD.
- 1.45. Barnshaw, J., Trainor, J.E., Letukas, L, & Ross, L. (2007). "Intersections and Implications of Evacuation amidst Hurricane Katrina,"

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Presented at the 77th Annual Meeting of the Eastern Sociological Society. Philadelphia, PA.

1.46. Barsky, L., Trainor, J.E., Torres, M.R., & Aguirre, B.E.(2007). "Managing volunteers: FEMA's urban search and rescue program and interactions with unaffiliated responders in disaster response. Presented at the Annual Eastern Sociological Society (ESS). Philadelphia, PA.

1.47. Trainor, J.E., Barnshaw, J., Aguirre, B.E., & Buck, R. (2006). A critical evaluation of the incident command systems and NIMS. Presented at EPA Region II, Annual Conference. Valley Forge, PA.

1.48. Trainor, J.E., Aguirre, B.E., & Buck, R. (2006). Re-evaluating ICS criticism. Presented at the Hazards Researchers Conference. Boulder, CO.

1.49. Trainor, J.E. (2006). Multi-Organizational resiliency in disasters. Invited Presentation at the Department of Science and Technology Organization (DSTO) Meeting on the Dynamics of Societal Resilience. Canberra, Australia.

1.50. Barnshaw, J. & Trainor, J.E. (2006). Race, class, and capital amidst the Hurricane Katrina diaspora. Presented at the Southern Sociological Association Annual Meeting. New Orleans, LA.

1.51. Trainor, J.E. & Aguirre, B.E. (2006). Origins, organizations, and institutions: the history and state of FEMA's urban search and rescue system. Presented at the Southern Sociological Association Annual Meeting. New Orleans, LA.

1.52. Rodriguez, H., Wachtendorf, T, Kendra, J. & Trainor, J.E. (2005). A Snapshot of the 2004 Indian Ocean Tsunami: societal impacts and consequences. Presented at the 1st Annual Symposium for Coastal and Marine Applied Research Program. Mayagüez, Puerto Rico.

1.53. Trainor, J.E., Rodriguez, H., Wachtendorf, T, & Kendra, J. (2005). After the Wave: Preliminary Social Science Insights from India and Sri Lanka. Presented at the Annual Meeting of the American Sociological Association (ASA). Philadelphia, PA.

1.54. Rodriguez, H., Wachtendorf, T, Kendra, J. & Trainor, J.E. (2005). The 2004 Indian Ocean Tsunami: the social science implications of response and recovery initiatives. Presented at the International Conference on Energy, Environment, and Disasters (INCEED 2005). Charlotte, NC.

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- 1.55. Kendra, J., Wachtendorf, T, Trainor, J.E. and Rodriguez, H.(2005). "Boats, nets, and motors: recovery issues after the 2004 Indian Ocean Tsunami. Invited Presentation at the Annual Hazards Research and Applications Workshop. Boulder, CO.
- 1.56. Wachtendorf, T, Kendra, J., Rodriguez, H. & Trainor, J.E.(2005) Invited Presentation at the Annual Hazards Research and Applications Workshop. Boulder, CO.
- 1.57. Wachtendorf, T, Rodriguez, H. ,Kendra, J., Trainor, J. (2005). "Societal impacts of the Indian Ocean Tsunami: preliminary findings from India and Sri Lanka. Invited Presentation at the National Academy of Science disasters roundtable on the Indian Ocean Tsunami Disaster: implications for U.S. and global disaster reduction and preparedness. Washington, DC.
- 1.58. Rodriguez, Havidan, Tricia Wachtendorf, James Kendra, and Trainor, J.E. "The Indian Ocean Tsunami: A preliminary Assessment of Societal Impacts and Consequences." Paper presented at the FEMA Emergency Management Higher Education Conference, June 7-9, 2005. Emmitsburg, MD
- 1.59. Trainor, J.E., Havidan Rodriguez, Tricia Wachtendorf, and James Kendra. "More than A Wave: Selected Social Science Insights from the December 26th Indian Ocean Tsunami" Invited Panelist at the Symposium on Emergency Management and Disaster Abatement, May 25, 2005, Arnhem, The Netherlands (Sponsored guest of the European Union)
- 1.60. Rodriguez, H., Wachtendorf, T, Kendra, J. & Trainor, J.E. (2004). Societal Impacts of the Indian Ocean Tsunami: preliminary findings from India and Sri Lanka. Presented at the EERI technical briefing: The Great Sumatra Earthquake and Tsunami of December 26, 2004. Washington, DC.
- 1.61. Wachtendorf, T., Rodriguez, H., Kendra, J., and Trainor, J.E. (2005). Social impacts of the Indian Ocean Tsunami: preliminary findings from India and Sri Lanka. Invited presentation to the Understanding Tsunamis 2005 – Online Teacher Workshop, College of Exploration and National Science Foundation. Washington, DC.
- 1.62. Rodriguez, H., Wachtendorf, T, Kendra, J. & Trainor, J.E. (2005). Socio-economic impact and consequences of the Indian Ocean Tsunami: Preliminary Findings from India and Sri Lanka. Invited presentation at the 2005 National Disaster Medical Systems Disaster Response Conference. Orlando, FL.

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1.63. Wachtendorf, T., Rodriguez, H., Kendra, J., & Trainor, J.E. "Social Impacts of the Indian Ocean Tsunami: preliminary findings from India and Sri Lanka. Invited Presentation to the Mid American Earthquake Center. Urbana-Champaign, IL.

1.64. Kendra, J.M., Rodríguez, H., Wachtendorf, T., & Trainor, J.E. (2005). Social Science implications of the Indian Ocean Tsunami. Invited presentation to the Earthquake Engineering Research Institute. Seattle, WA

1.65. Trainor, J.E. (2004). Searching for a system multi-organizational coordination in the September 11th World Trade Center search and rescue response." Presented at the Annual Meeting of the American Sociological Association (ASA). San Francisco, CA.

1.66. Trainor, J.E. (2004). Stakeholders, earthquakes, and public policy: consistency and variation in framing earthquake mitigation importance. Presented at the Annual Meeting of the Society for the Study of Social Problems (SSSP). San Francisco, CA.

1.67. Tierney, K.J. & Trainor, J.E. (2004). Multi-organizational networks and community resilience in extreme events: a case study of the September 11th World Trade Center attacks. Presented at the Annual Meeting of the Multidisciplinary Center for Earthquake Engineering Research. Los Angeles, CA.

2. **Agency, Professional, and Public Presentations**

2.1. Trainor, J.E. (2019) Disaster Science and Management: Intersections with the Weather Enterprise. Washington, D.C. Office of Air Quality Research, NOAA

2.2. Trainor, J.E. (2019) Integrating Disaster Science and Management with the Weather Enterprise. NCAR Advanced Study Program on Quantifying and Communicating Uncertainty in High-Impact Weather Hazard Prediction, Boulder, CO

2.3. Trainor, J.E. (2019) Social and Behavioral Sciences and the Weather Research and Forecasting Innovation Act of 2017. Environmental Information Services Working Group for NOAA Science Advisory Board. Washington, D.C.

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- 2.4. Trainor, J.E. (2019) Behavioral Responses to Building Evacuation, National Fire Protection Agency Building Safety & Security Workshop, Quincy, MA
- 2.5. Trainor, J.E. (2019) Socials Science Research Methods in Disasters. Research Methods Meeting for Hurricane Maria Technical Investigation, National Institute of Standards and Technology
- 2.6. Trainor, J.E.(2018) Integrated Warning Systems and Human Behavior. SITAK Sound Science Center, Sitka, AK
- 2.7. Trainor, J.E. (2017) The Importance of Integrated Warning Systems. National Weather Service Spring Workshop. Memphis, TN
- 2.8. Trainor, J. E. (2016). Navigating the Future Landscape of Hazards Practice and Research. Natural Hazards Workshop.
- 2.9. Trainor, J.E. (2016) Interdisciplinary Research in the Disaster area. Bill Anderson Fund Workshop. Newark, DE.
- 2.10. Trainor, J.E. (2015) Social Science Panel Participant. 2015 National Weather Service Fall Strategy Meeting, Silver Springs, MD
- 2.11. Subbio, T. and Trainor, J. (2015) Issues In Disaster Science and Management, New Jersey Emergency Management Conference Atlantic City, NJ
- 2.12. Trainor, J.E. & Subbio, T. (2014). Issues in disaster science and management: the results. Presented at the Center for Disaster Research and Education Virtual Seminar Series. Millersville, PA.
- 2.13. Trainor, J.E. (2013). Disaster research and contingency planning. Presented for the Delaware Chapter of the American Association of Contingency Planners. New Castle, DE.
- 2.14. Trainor, J.E. (2013) Myths and misconceptions of human behavior and response to disasters. Presented at the Maryland State Emergency Management Conference. Ocean City, MD.
- 2.15. Trainor, J.E. (2012) Myths and misconceptions of human behavior and response to disasters. Presented at Investment Company Institute Meeting. King of Prussia, PA.

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- 2.16. Trainor, J.E. (2012) Myths and misconceptions of human behavior and response to disasters. Presented at FEMA Brown Bag Lunch Talk. Washington, D.C.
- 2.17. Trainor, J.E. (2012). Communicating the severe weather threats: insights from social science. Presented at the Dallas-Fort Worth Area Integrated Warning Team meeting. Fort-Worth, TX.
- 2.18. Trainor, J.E. (2011). Reporting for duty. Presented to the National Capital Region Fire Chief's committee. Washington, D.C.
- 2.19. Trainor, J.E. (2011). Reporting for Duty. Presented to the National Capital Region Emergency Managers committee. Washington, D.C.
- 2.20. Vellotti, L.* & Trainor, J.E. (2011) How safe is safe enough: insights on the administration of safety. Netherlands United States Water Crisis Research Network Symposium. Den Haag, Netherlands.
- 2.21. Trainor, J.E. (2011). Warning and alert in the United States: systems and behavioral response. Netherlands United States Water Crisis Research Network Symposium. Den Haag, Netherlands.
- 2.22. Trainor, J.E. (2010). What's so special about special needs: thinking beyond the categories. Presented at the Pennsylvania Emergency Management Agency (PEMA) Annual Conference. Harrisburg, PA.
- 2.23. Trainor, J.E., Rodríguez, H., Santos-Hernández, J., Díaz, W., & Donner, W. (2009). Societal impacts of weather hazards: understanding public response to severe weather events. Joint Southeast Pennsylvania Regional Emergency Management Taskforce
- 2.24. Trainor, J.E. (2009). Disaster science: fact vs. fiction in the human dimensions of disasters. Presented at the 2009 Pennsylvania Emergency Managers Conference. Harrisburg, PA.
- 2.25. Trainor, J.E. (2009). A critical evaluation of the incident command system and NIMS. Presented at the Montgomery County Emergency Management Agency Training Series. Montgomery County, PA.
- 2.26. Trainor, J.E. (2007). A critical evaluation of the incident command system and NIMS. Presented at the University of Pittsburgh Medical Center, Center for Bio Security, Guest Speaker Series. Baltimore, MD.

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- 2.27. Trainor, J.E. (2007) Norms, culture, and traveling abroad. Presented to Engineers without borders University of Delaware. Newark, DE.
- 2.28. Trainor, J.E. (2007) "An Introduction to Network Analysis" Presented to the Department of Urban Affairs and Public Policy, University of Delaware. Newark, DE.
- 2.29. Trainor, J.E. (2006). Organizations in action: understanding the Katrina response. Presented to the Wilmington Academy of Lifelong Learning. Wilmington, DE.
- 2.30. Trainor, J.E. (2005). Social science, culture, and the differential impacts of The South Asia Tsunami. Presented to Showtime Networks Mid-Atlantic Regional Meeting. Radnor, PA.
- 2.31. Trainor, J.E. (2005) South Asia Tsunami and appropriate aid for disasters. West Chester/Goshen Chapter of the International Rotary Club. West Chester, PA.
- 2.32. Trainor, J.E. (2004). Social Science and Disaster Research. Presented to the Center for Disaster Research and Education. Millersville, PA.
- 2.33. Barsky, L. & Trainor, J.E. (2004) Social science and disaster research. Presented to the Brandywine Chapter of the International Rotary Club. West Chester, PA.
- 2.34. Rodriguez, H & Trainor, J.E. (2004) Hazards, Disasters, and Interdisciplinary Research: A Perspective from the Disaster Research Center. The University of Delaware, Department of Civil Engineering.
- 2.35. Trainor, J.E. (2004). Careers in Sociology. Presented at Millersville University, Millersville, PA.

Rapid Reconnaissance Field Work

1. Member, National Weather Service Assessment Team for the April 27, 2011, Historic Tornado Outbreak (May 9th-13th, 2011)
2. Team Leader, DRC Quick Response Field Reconnaissance team to Louisiana in the wake of Hurricane Katrina. (September 21st-September 30th 2005)

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3. Member, DRC/UNT/EERI, Social impacts Post-Earthquake Field Reconnaissance Team to South Asia in the Wake of the December 2004 Tsunami. (January 20th- February 5th, 2005)

Teaching Experience

1. **Graduate Level**

- 1.1. SPPA861: Ph.D. Professional Development
- 1.2. SPPA661: Master's Professional Development
- 1.3. SPPA808: Qualitative Research Methods for Evaluation
- 1.4. DISA651: International Aspects of Disasters
- 1.5. DISA650: Introduction to Disaster Science and Management

2. **Undergraduate Level**

- 2.1. UAPP225: Crafting Public Policy
- 2.2. UAPP225: Honors Section: Crafting Public Policy
- 2.3. The Social Science of Disasters
- 2.4. SOCI225: The Social Construction of Social Problems

3. **Other Teaching Preparation**

- 3.1. Experiencing Engaging Education: Active Learning Seminar (2015)
- 3.2. Teaching in the Social Sciences Course
- 3.3. Department of Sociology and Criminal Justice Graduate Peer
- 3.4. Mentor (2003-2007)
- 3.5. Disaster Research Center's Research Experience for Undergraduates (REU) site mentor (2005-2010)

Student Advising and Mentorship

1. **Academic Advising**

- 1.1. Urban Affairs and Public Policy, Doctor of Philosophy
- 1.2. Disaster Science and Management, Doctor of Philosophy
- 1.3. Disaster Science and Management, Master of Science
- 1.4. Masters of Public Administration, Emergency Management Specialization
- 1.5. Public Policy, Bachelor of the Arts

2. **Committee Membership on Thesis, Dissertations, and Analytical Papers**

- 2.1. Sociology, PhD
 - Member
 - 2013, Kimberly Gill
- 2.2. Marine Policy, PhD
 - Member

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- ABD, Sarah Parkison
- 2.3. Energy and Environmental Policy, Ph.D.
 - Member
 - 2019, Curt Davis
- 2.4. Urban Affairs and Public Policy, Ph.D. Dissertations
 - Chair
 - 2023, April Davidson
 - Member
 - 2023, Dianna Ruberto
 - 2022, Chester Holland
 - 2018, Tony DePrima
 - 2016, Lucia Velotti
 - 2014, Brian Rahmer
 - 2014, Rochelle Brittingham
- 2.5. Public Policy and Administration, MPA Analytical Paper
 - Chair
 - 2013, Rafiq Gurbanzada
 - Member
 - 2012, Win Abbot
- 2.6. Urban Affairs and Public Policy, MA
 - Member
 - 2018, Dianna Ruberto
- 2.7. Disaster Science and Management, MS
 - Chair
 - 2020, Christine Beste
 - 2018, Rachel Slotter
 - 2016, Anthony Cario
 - 2016, Ben Wallace
 - 2014, Daryl Yoder-Bontrager
 - 2013, Eva Wilson
 - Member
 - 2018, Brian Gildemeyer
 - 2015, Israt Jahan
 - 2015, Hamed Alrashed
 - 2012, Alex Greer
- 2.8. Disaster Science and Management, PhD
 - Chair
 - In-Progress, Sussama Seeley
 - ABD, Farah Nibbs
 - ABD, Mei Johnson
 - 2023, Michael Michaud
 - 2022, Rachel Slotter
 - 2020, Daryl Yoder-Bontrager
 - 2020, Diego Otegui

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- 2020, Awe Maduka
 - 2020, Connor Dacey
 - 2017, Mahmoud Alwidayn
 - 2015, Ray Chang
 - 2015, Danielle Nagele
 - Member
 - ABD, Sarah Gregory
 - ABD, Valerie Marlowe
 - 2023, Bud May
 - 2022, Taylor Williams
 - 2020, Melissa Brown de Gerena
 - 2019, Rachel Chiquoine
 - 2019, Flavio Lopez-Ribeiro
 - 2017, Nuno Martins
 - 2015, Alex Greer
 - 2015, Ryan Burke
 - 2014, Ziqiang Han
 - 2013, Eric Best
- 2.9. Civil Engineering, PhD
- Member
 - 2023, Caroline Williams
 - 2018, Dong Wang
 - 2014, Sekine Rahimian
- 2.10. Civil Engineering, BS
- Member
 - 2020, Alexis Stock
 - 2018, Celine Robinson
 - 2019, Alexia Stock
- 2.11. External Reviewer
- 2016, Tony McAleavy, University of South Wales
 - 2018, Rachel Piltch-Loeb, New York University

Awards

1. Awards

- 1.1. Nominated for U.D. Mid Career Scholars Award (2020)
- 1.2. Nominated for Mangoni Scholars Award (2016)
- 1.3. Nominated for Undergraduate Academic Advising Award (2018)
- 1.4. 2010 President's Service Award-International Research Committee on Disasters (IRCD)
- 1.5. 2008 Frank Scarpitti Graduate Student Award.

Service

1. Service to the Academic Community

1.1. Journal Peer Reviewer

- Journal of Infrastructure Systems
- Weather, Climate, and Society
- Natural Hazards Review
- Journal of Climate and Society
- Journal of Disaster Risk Reduction
- Disasters and Sociological Studies
- Public Administration Review
- Disasters: The Journal of Disaster Studies, Policy and Management
- Journal of Disaster Planning
- Journal of Homeland Security and Emergency Management
- International Journal of Mass Emergencies and Disasters
- International Journal of Sociology and Social Policy
- Social Forces
- Social Problems
- Annals of Political and Social Science
- Sociological Quarterly
- The Sociology of Katrina (Book)
- Handbook of Disaster Research (Book)
- Natural Hazards Center: Edited Volume on Quick Response to Katrina (Book)

1.2. Grant Panel Reviewer

- National Science Foundation (4 Directorates)
- United States Department of Agriculture
- Department of Homeland Security
- National Weather Service (NWS)

1.3. Meeting Organization

- Lead Reviewer, FEMA Higher Education Symposium Research Submissions, 2020
- Session Organizer and Moderator, Research to Practice in Disaster Science, Natural Hazards Workshop 2019
- Organizer, 2016 American Sociological Association Meeting Sessions on Disaster.
- Organizing Committee, United Nations Conference on Science, Technology, and Disaster Risk Reduction, 2015
- Co-Organizer of the International Research Committee on Disasters and Natural Hazards Center, Hazards Researchers Meetings (2009-2014)

1.4. Committees, Consulting and Advisory Panels

- Consultant, Google Inc. Emergency Location Services Team. (2020-2021)

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- Consultant, National Weather Service, Damage Assessment Tool Survey (2020)
- Chairman of the Board of Directors, Impact360 Alliance (2020-2021)
- Advisory Board Member, Bill Anderson Fund Flagship (2019-2021)
- Steering Committee Chair, Impact360 Alliance (2019-2020)
- Vice-Chair, Alliance for Integrative Approaches to Extreme Environmental Events (2018)
- Member, Mount Holly Forecast Office Integrated Warning Team (2018- 2020)
- Member, National Academy of Science Committee on Advancing Social and Behavioral Science Research and Application within the Weather Enterprise (2016-2018)
- Member, Writing Committee Alliance for Integrative Approaches to Extreme Environmental Events (2016-2017)
- Consultant, National Institute of Standards and Technology Resilience Program (2015-2018)
- Member, Board of Directors, International Research Committee on Disasters/ Research Committee on the Sociology of Disasters (RC-39) of the International Sociological Association (2015-2019)
- Member, William Anderson Fund, Receiver Committee, 2014-2016)
- Member, Drafting Committee, American Meteorological Society, AMS Professional Guidance Statement on Strengthening Social Sciences in the Weather-Climate Enterprise (2013-2014)
- Member, FEMA Committee on the Disciplinary Pervue of Emergency Management (2013)
- Guest Editor, Journal of Leadership Studies, Symposium on Leadership and Disasters (2013)
- Participant, National Weather Service Weather-Ready Nation Initiative (2012)
- Guest Editor, Natural Hazards Review (2012, 2007)
- Member, FEMA Committee to Establish Research Standards for Emergency Management Research (2012)
- Invited Presenter, National Academy of Science and Department of Homeland Security Workshop on Public Response to Alerts and Warnings on Mobile Devices (2010)
- Moderator, Natural Hazards Center Workshop (2007, 2010)
- Representative of the "Sociology of Disasters to the American Sociological Association Centennial Congressional Reception on Capitol Hill. October 25th, 2005

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2. Service to the University

2.1. University

- Member, President's Roundtable
- Member, Intercollege Graduate Advisory Committee (2021-Present)
- Member, Ryden Dissertation Prize Committee (2019-Present)
- Member, U.D. Chair's Caucus (2021-present)
- Member, University Strategic Planning-Undergraduate Pipeline (2021)
- Participant, Assistant Professor Focus Group, UDEL Strategic Planning (2014)
- Member, University of Delaware Disaster Mitigation Committee (2009-2016)
- Member, University of Delaware Research Council (2008-2010)
- Advisor, University of Delaware Emergency Planning Committee (2007-2009)
- Member, University of Delaware Disaster Planning Group (2003, 2005)

2.2. College of Arts and Science

- Member, Disaster Cluster Search (2018-2020)
- Member, Interdisciplinary Search for the Bill Anderson Fund Flagship Director (2017-2019)
- Member, Ad-hoc Social Science Funding Committee (2017-2018)

2.3. School of Public Policy and Administration

- Chair, Doctoral Coordinating Committee (ACC) (2020-Present)
- Chair, Masters Coordinating Committee (ACC) (2020-Present)
- Chair, Undergraduate Coordinating Committee (ACC) (2020-Present)
- Chair, Academic Curriculum Coordinating Committee (ACC) (2020-Present)
- Member, Biden School of Public Policy and Administration, Urban Affairs and Public Policy Ph.D. Program Committee, (2019-Present)
- Member, Search Committee, Biden School Communications Director (2021-22)
- Director of Doctoral Studies, Biden School of Public Policy and Administration. (2018-2020)
- Chair, SPPA Doctoral Coordination Working Group (2017-Present)
- Member, SPPA Benchmarking and Data Committee (2018-Present)

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- Member, Academic Curriculum Coordination Committee (2011; 2016-present)
 - Member, SPPA Senior Search Committee (2017-2018)
 - Member, SPPA Strategic Planning Committee (2017-2020)
 - Member, SPPA Website Re-design Committee (2013-2015)
 - Member, Recruiting, Admissions, and Funding Group (2011-2016)
 - Member, SPPA Undergraduate Summer Scholars Program Committee (2013-2018)
- 2.4. Disaster Science and Management Program
- Program Director (2016- 2022)
 - Member, Disaster Science and Management Qualifying Exam Committee (2010-2021)
 - Member, University of Delaware Disaster Science and Management Program Committee. (2008-2021)
 - Member, University of Delaware Disaster Science and Management Admissions Committee. (2008-2021)
 - Member, Disaster Science and Management Director Search Committee (2013)
 - Interim Co-director Disaster Science and Management Program (2011-2012)
- 2.5. Department of Sociology and Criminal Justice
- Member, Departmental Policy Committee (2004-2006)
 - Member, Jan Burrows Award committee (2003-2004)
- 2.6. Disaster Research Center
- CATI System Administrator (2007-2016)
 - Disaster Research Center Webmaster (2005-2012)
 - Mentor, NSF REU Program- Training the next generation of disaster researchers (2005-2010)
 - Member, Disaster Research Center Strategic Planning Committee (2007-2008)
 - Member, Disaster Research Center 40th Anniversary Conference Planning Committee (2003-2004)

Professional Associations

Association for Public Policy Analysis and Management (APPAM)

American Society for Public Administration (ASPA)

American Sociological Association (ASA)

International Sociological Association (ISA)

International Research Committee on Disasters, IRCD, ISA -39