

Julia C. Crowley, Ph.D., AICP

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Education

- Spring 2016 Ph.D., Urban and Regional Planning, University of Hawai'i at Mānoa
Dissertation Title: "Unleashing the Power of Planning: A Measurement of the Effectiveness and Efficiency of Pre-Disaster Debris Management Plans"
- Spring 2016 Certificate in Disaster Management and Humanitarian Assistance (DMHA), University of Hawai'i at Mānoa
Capstone Project Title: "Albizia Tree Damage Following Tropical Storm Iselle in Puna, Hawai'i"
- Spring 2014 M.A., Regional Planning, Cornell University
Exit Project Title: "Solid Waste Management in Ilocos Norte, Philippines: A Comparative Analysis of Sarrat, Vintar, and Solsona"
- Spring 2009 B.A., Urban Planning, University of Illinois at Urbana-Champaign, *High Honors*

Academic Appointments

- Aug. 2022-Present Assistant Professor of Urban Planning + Design, University of Missouri-Kansas City – Tenure Track
- Aug. 2017-Aug. 2022 Assistant Professor of Emergency and Disaster Management (EDM), Western Carolina University - Tenure Track
- May 2016-June 2017 Post-Doctoral Scholar, National Disaster Preparedness Training Center (NDPTC), University of Hawai'i at Mānoa
- Jan. 2015-May 2016 Research Assistant, National Disaster Preparedness Training Center (NDPTC), University of Hawai'i at Mānoa
- Aug. 2014-Jan. 2015 Teaching Assistant, Department of Urban and Regional Planning, University of Hawai'i at Mānoa

Research Interests

Disaster debris management planning; Waste management; Disaster recovery; Hazard mitigation; Resilience; Risk perception; Social vulnerability; Environmental justice; Environmental health

Publications (* indicates a student coauthor)

Peer-Reviewed

Crowley, J. (2024). Knowledge, attitudes, and practices of single-use plastics among university students in Ilocos Norte, Philippines. *Journal of Solid Waste Technology and Management*, 50(5), 806-821. doi: <https://doi.org/10.5276/jswtm/iswmaw/504/2024.806>

Crowley, J. (2024). Disaster debris management and the Maine floods of December 2023. *International Journal of Disaster Risk Reduction*, 113(15), 104911. doi: <https://doi.org/10.1016/j.ijdr.2024.104911>

White-Lewis, S., Lightner, J., **Crowley, J.**, Grimes, A., Spears, K., & Chesnut, S. (2024). Disaster preparedness intervention for older adults (Senior's Positive Involvement in Community Emergencies SPICE): Protocol for a quasi-experimental study. *Journal of Medical Internet Research*, 13, e58895. doi: [10.2196/58895](https://doi.org/10.2196/58895)

Crowley, J. (2023). Responding to the plastic crisis: Local government plastic bans and consumer behavior towards single-use plastic bags in Tarlac, Philippines. *Philippine Journal of Public Administration*, 67, 1-13. doi: [10.5281/zenodo.10369445](https://doi.org/10.5281/zenodo.10369445)

Ghimire, J., Nepal, R. M., **Crowley, J.**, Ghimire, D., & Guragain, S. (2023). Vulnerabilities and risk perceptions of contracting COVID-19 among Nepali migrant workers. *Social Sciences & Humanities Open*, 7(1), 100486. doi: [10.1016/j.ssaho.2023.100486](https://doi.org/10.1016/j.ssaho.2023.100486)

Ghimire, J., Nepal, R. M., **Crowley, J.**, Ghimire, D., & Guragain, S. (2022). The psychological, social, and economic impacts of COVID-19 on Nepali migrant workers. *Journal of Asian and African Studies*, 00219096221141359. doi: <https://doi.org/10.1177/00219096221141359>

Crowley, J. (2022). A comparative analysis of social vulnerability and proximity to coal-fired power plants and windmill farms. *Risk, Hazards & Crisis in Public Policy*, 13(3), 238-254. doi: <https://doi.org/10.1002/rhc3.12239>

Crowley, J. (2021). An assessment of the effectiveness of FEMA's pilot program for debris removal after hurricanes. *Journal of Solid Waste Technology and Management*, 47(4), 643-652. doi: <https://doi.org/10.5276/JSWTM/2021.643>

Crowley, J. (2021). A qualitative study of risk perception and preparedness knowledge in two midwestern communities that are located near nuclear power plants. *Risk, Hazards & Crisis in Public Policy*, 12(2), 181-193. doi: <https://doi.org/10.1002/rhc3.12214>

Crowley, J. (2021). Social vulnerability factors and reported post-disaster needs in the aftermath of Hurricane Florence. *International Journal of Disaster Risk Science*, 12, 13-23. doi: <https://doi.org/10.1007/s13753-020-00315-5>

Crowley, J. (2020). Plastic bag consumption habits in the Northern Philippines. *Resources, Conservation and Recycling*, 160, 104848. doi: <https://doi.org/10.1016/j.resconrec.2020.104848>

Crowley, J. (2020). Disaster debris management best practice case studies. *Journal of Emergency Management*, 18(2), 171-182. doi: [10.5055/jem.2020.0460](https://doi.org/10.5055/jem.2020.0460)

Das, P., & **Crowley, J.** (2018). Sanitation for all: A Panglossian perspective? *Journal of Water, Sanitation and Hygiene for Development*, 8(4), 718-729. doi: [10.2166/washdev.2018.011](https://doi.org/10.2166/washdev.2018.011)

Crowley J., & Flachsbart, P. (2018). Local debris management planning and FEMA policies on disaster recovery in the United States. *International Journal of Disaster Risk Reduction*, 27, 373-379. doi: <https://dx.doi.org/10.1016/j.ijdr.2017.10.024>

Crowley, J. (2017). A measurement of the effectiveness and efficiency of pre-disaster debris management plans. *Waste Management*, 62, 262-273. doi: <https://dx.doi.org/10.1016/j.wasman.2017.02.004>

Manuscripts Under Review

Crowley, J., Liu, B., & Jan, H.* (Revise & Resubmit). Assessing the knowledge, attitudes, and practices (KAP) of dengue fever in Thailand: A systematic review and meta-analysis.

Crowley, J., Frisch, M., & Vanzeyl, N.* (Under Review). An examination of the relationship between mean land elevation levels and social vulnerability in Metropolitan Kansas City.

Kim, S., & **Crowley, J.** (Under Review). Understanding floodplain development: An analysis of demographic and socio-economic factors associated with floodplain development.

Crowley, J., Chesnut, S., Spears, K., Grimes, A., Lightner, J., & White-Lewis, S. (Under Review). Disaster recovery and community-dwelling older adults: An intervention study of self-efficacy.

Crowley, J. (Under Review). The roles of space and place in the development of a Southeast Asian enclave: A case study of Argyle Street-Chicago. In Krishna, A., & Swanson, N., *Honoring Heritage, Place, and Identity: Perspectives on Asian American Places of Heritage*.

Book Chapters and Book Reviews

Crowley, J. (In Press). An examination of the roles of stakeholders in addressing hazard mitigation planning needs and challenges. In Rukmana, D., & Roitman, S., *Planning Jakarta in the Post-suburban Era*. The University of Hawaii Press.

Crowley, J. (2018). Book Review of *Messy Urbanism: Understanding the “Other” Cities of Asia*. *Journal of Planning Education and Research*, 38 (3), 387-389.

Other Publications

Crowley, J. (2021). An analysis of FEMA public assistance funding for debris removal. *Proceedings of the Thirty-Sixth International Conference on Solid Waste Technology and Management*.

Crowley, J. (2016). Solid Waste Management in Ilocos Norte Philippines: A Comparative Study of Sarrat, Vintar, and Solsona. *International Journal of Integrated Waste Management, Science, and Technology*, 48, I-III.

Crowley, J. (2015, January 20). Disaster Preparedness in the Philippines. *Hawaii Filipino Chronicle*, p. 12.

Crowley, J. (2014, October 11). The Role of Community Organizations in Preserving Filipino Culture and Providing Support to Filipinos in Hawaii, *Hawaii Filipino Chronicle*, pp. 4-5, 10.

Crowley, J. (2014, July 14). Addressing the Philippines’ Solid Waste Management Crisis, *Hawaii Filipino Chronicle*, pp. 4-5.

Funded Research

External

Federal Emergency Management Agency (FEMA) Higher Education Program. “A Study of Local Emergency Management Planning Resource Needs in the United States.” PI:

Dr. Julia Crowley, Co-PI: Dr. Bowen Liu, University of Missouri-Kansas City.

Award # EMW-2024-MP-HE-0015, September 6, 2024-September 5, 2025, 9,783 USDs.

National Science Foundation (NSF) Quick Response Research Award Program. “Disaster Debris Management and the Historic Maine Floods of 2023.” PI: **Dr. Julia Crowley**, University of Missouri-Kansas City. Award #1635593, February 29, 2024-August 15, 2024, 2,205 USDs.

AmeriCorps Missouri. “Healthy Futures: Disaster Preparedness for Older Adults.” PI: Dr. Sharon White-Lewis, Co-PIs: Drs. Steven Chesnut, **Julia Crowley**, Amanda Grimes, Joseph Lightner, and Kathleen Spears, University of Missouri-Kansas-City. Award #00081803, August 1, 2023-December 31, 2024, 180,231 USDs.

Teaching Experience

Introduction to Urban Studies (URBAN ST 101)
Face-to-Face, University of Missouri-Kansas City

GIS for Urban Planning (UPD 203)
Face-to-Face, University of Missouri-Kansas City

Natural Hazards and Disaster Planning (UPD 499B/UPD 5599B)
Face-to-Face, University of Missouri-Kansas City

Urban Environmental Planning and Design (UPD 432/UPD 5746)
Face-to-Face, University of Missouri-Kansas City

Introduction to Emergency and Disaster Management (EDM 250)
Face-to-Face and Online, Western Carolina University

Emergency Planning (EDM 324)
Face-to-Face and Online, Western Carolina University

Principles of Hazard Mitigation (EDM 335)
Face-to-Face and Hybrid, Western Carolina University

Recovering from Disaster (EDM 348)
Online, Western Carolina University

Resource Management (EDM 351)
Face-to-Face and Online, Western Carolina University

International Disaster and Catastrophe (EDM 356)
Hybrid, Western Carolina University

GIS and Emergency Mapping (EDM 405)
Face-to-Face, Online, and Hybrid, Western Carolina University

Grant Writing in Emergency and Disaster Management (EDM 458)
Face-to-Face and Online, Western Carolina University

Statistics, Data Visualization, and Research Methods (MSTR 31102)
Hybrid, University of Chicago

Planning Methods (PLAN 601)
Face-to-Face, University of Hawai'i at Mānoa

Conference Presentations

- 2024 “Disaster Debris Management and the Maine Floods of December 2023.”
Association of Collegiate Schools of Planning (ACSP) Annual Conference,
November 6-9, Seattle, WA.
- 2024 “Knowledge, Attitudes, and Practices (KAP) Towards Single-Use Plastics Among
University Students in Ilocos Norte, Philippines.” Twenty-Eighth Pacific
Conference of the RSAI, August 4-7, Daegu, South Korea.
- 2024 “The Integration of Academic Research and Pedagogy into Resilience Training.”
FEMA Higher Education Symposium, June 3-5, Emmitsburg, MD.
- 2024 “It Takes a Village: Addressing Emergency Management Needs through an
Interdisciplinary Perspective,” with Drs. Sharon White-Lewis and Kathleen
Spears. Preparedness Summit, March 25-28, Cleveland, OH.
- 2023 “Disaster Preparedness and Community Resiliency for Older Adults,” with Dr.
Sharon White-Lewis, Dr. Vanessa Parks, and Sonny Patel. Preparedness Summit,
April 24-27, Atlanta, GA.
- 2023 “Disaster Debris Management in a Tourist Destination: A Case Study of the
District of Waikiki.” Southeast Environment and Recreation Research (SERR)
Conference, March 26-28, Asheville, NC.
- 2023 “The Role of Overseas Filipino Workers (OFWs) in Promoting Global
Resilience.” Asian Studies Development Program (ASDP) 30th National
Conference, March 9-11, Kansas City, MO.
- 2022 “Local Government Plastic Bans and Consumer Behavior Towards Single-Use
Plastic Bags in Tarlac, Philippines.” Association of Collegiate Schools of
Planning (ACSP) Annual Conference, November 3-5, Toronto, ON.
- 2022 “The Psychological, Social, and Economic Impacts of COVID-19 on Female
Nepali Migrant Workers,” with Dr. Jiwnath Ghimire. Feminist Approaches to
Justice: Women, Disasters and Climate Change: The Research Speaks, March 23,
Virtual.

- 2021 “A Comparative Analysis of Social Vulnerability and Proximity to Coal-Fired Power Plants and Windmill Farms.” Association of Collegiate Schools of Planning (ACSP) Annual Conference, October 7-8, Virtual.
- 2021 “A Discussion of the Challenges and Best Practices for Integrating Research Methods into Undergraduate Emergency Management Courses.” Twenty-Third Annual Emergency Management Higher Education Symposium, June 8-10, Virtual.
- 2021 “An Analysis of FEMA Public Assistance Funding for Debris Removal.” Thirty-Sixth International Conference on Solid Waste Technology and Management, March 15-16, Virtual.
- 2020 “Social Vulnerability Factors and Reported Post-Disaster Needs in the Aftermath of Hurricane Florence in the United States.” Sixteenth International Conference on Interdisciplinary Social Science Studies, November 23-24, Virtual.
- 2019 “A Study of Risk Perception in Communities Residing Near Nuclear Power Plants.” Association of Collegiate Schools of Planning (ACSP) Annual Conference, October 24-27, Greenville, SC.
- 2019 “An Evaluation of United States Emergency Management Degree Programs Based on Practitioner Skills.” Tenth Academic International Conference on Multidisciplinary Studies and Education, September 23-25, Boston, MA.
- 2018 “Disaster Debris Management Planning in the United States.” Second International Conference on Sustainability, Energy and Environmental Sciences. September 17-19, Cambridge, United Kingdom.
- 2018 “Enhancing Emergency Management Courses Through the Integration of Criminology,” with Dr. Lisa Briggs. Twentieth Annual Emergency Management Higher Education Symposium, June 5-7, Emmitsburg, MD.
- 2017 “Local Debris Management Planning and FEMA Policies on Disaster Recovery.” Association of Collegiate Schools of Planning (ACSP) Annual Conference, October 12-15, Denver, CO.
- 2016 “Unleashing the Power of Planning: A Measurement of the Effectiveness and Efficiency of Pre-Disaster Debris Management Plans.” Association of Collegiate Schools of Planning (ACSP) Annual Conference, November 3-6, Portland, OR.
- 2016 “Debris Management Planning.” Workshop on Gaps in Disaster Governance Research, March 10-12, Honolulu, HI.
- 2015 “Albizia Damage in Puna.” The Pacific Risk Management (PRiMO) Conference, March 24-26, Honolulu, HI.

- 2015 “Albizia Hazard Mitigation Following Tropical Storm Iselle.” Twenty-Ninth International Conference on Solid Waste Technology and Management, March 15-18, Philadelphia, PA.
- 2014 “Solid Waste Management in the Philippines: A Comparative Study of Sarrat, Vintar, and Solsona, Ilocos Norte.” The Thirteenth Annual East-West Center International Graduate Student Conference, February 13-15, Honolulu, HI.

Invited Talks

- 2024 Invited by Dr. Josh Peng to speak to the Critical Thinking in the Natural and Physical Sciences Class on “Plastic Bags in the Philippines,” University of Missouri-Kansas City, October 8, Kansas City, MO.
- 2024 Invited by Mariano Marcos State University to deliver a lecture on “Conducting Research on Single-Use Plastics,” Mariano Marcos State University, February 20, Batac, Ilocos Norte, Philippines.
- 2023 Invited by Dr. Alison Graettinger to speak to the Volcanoes Class on “Volcanoes and Human Agency: Mitigation and Preparedness,” University of Missouri-Kansas City, November 8, Kansas City, MO.
- 2023 Invited by Dr. Alison Graettinger to speak to the Nature’s Fury Class on “Introduction to Disaster Recovery,” University of Missouri-Kansas City, October 26, Kansas City, MO.
- 2023 Invited by Drs. Ashok Das and Meenu Tewari to serve on a panel for “Embedding the Global in Planning Curricula and Instruction: Exploring Inclusive and Innovative Approaches from the Ground Up,” October 20, ACSP Conference, Chicago, IL.
- 2022 Invited by the Center for Neighborhoods (CFN) to serve on a panel for “A Resilient Kansas City Workshop,” December 10, Kansas City, MO.
- 2021 Invited by the National Disaster Preparedness Training Center (NDPTC) to present at the Third Thursday event on “Hurricane Vulnerability: Recent Events and Research,” NDPTC, November 18, Virtual.
- 2021 Invited by Dr. Karl Kim to speak to the Interdisciplinary Seminar in Disaster Management and Humanitarian Assistance on “The Relationship between Climate Change and Plastic Marine Debris,” University of Hawai‘i at Mānoa, October 18, Honolulu, HI.

2021 Invited by Dr. Peter Flachsbart to speak to the Research Design Seminar on “Disaster Debris Management Best Practice Case Studies,” Department of Urban and Regional Planning, University of Hawai‘i at Mānoa, October 15, Honolulu, HI.

Fellowships, Scholarships, and Awards

2024 Early Career Faculty Award, 1,000 USDs for Conference Travel, University of Missouri-Kansas City Emeritus College.

2023 Outstanding Student Project Award for the South Round Top Neighborhood Development and Resilience Plan, Missouri Chapter of the American Planning Association, with Dr. Jacob Wagner and the Fall 2022 Senior Studio and Environmental Planning Classes.

2016 Dissertation Funding from the National Disaster Preparedness Training Center (4,058.79 USD)

2012-2014 Foreign Language and Area Studies (FLAS) Fellowship (88,000 USD for tuition and living expenses)

2013 Cornell Southeast Asia Program Travel Award (2,000 USD)

2011 Peace Corps Partnership Award (2,100 USD)

2008-2009 Illinois General Assembly Scholarship (16,000 USD for tuition)

2006-2007 Illinois General Assembly Scholarship (16,000 USD for tuition)

Academic Service

University and College

2022 Committee Member, Student and Faculty Awards Committee, University of Missouri-Kansas City

2021-2022 Committee Member, University Scholarship Committee, Western Carolina University

2020-2022 Committee Member, College of Arts and Sciences Elections Committee, Western Carolina University

2020-2022 Committee Member, Visiting Scholar Award, Western Carolina University

- 2020 Committee Member, Summer Undergraduate Research Program Review Committee, Western Carolina University
- 2019-2022 College of Arts and Sciences Representative, Chancellor's Travel Fund Committee, Western Carolina University
- 2018 Peace Corps Recruitment, Western Carolina University

Department

- 2022-Present Planning Accreditation Board (PAB) Report Preparation, Urban Planning and Design Program, University of Missouri-Kansas City
- 2021 Search Committee Member, Department of Criminology and Criminal Justice, Western Carolina University
- 2020 Continuous Improvement Reporting (CIR) for the 2019-2020 academic year in the Emergency and Disaster Management (EDM) Program, Western Carolina University
- 2019-2021 Open House Committee Member, Department of Criminology and Criminal Justice, Western Carolina University
- 2019 Provided feedback for the Criminal Justice Program Review, Western Carolina University
- 2019 Search Committee Member, Department of Criminology and Criminal Justice, Western Carolina University
- 2018 Search Committee Member, Department of Criminology and Criminal Justice, Western Carolina University
- 2018-2022 Committee Member, Emergency and Disaster Management (EDM) Curriculum Committee, Western Carolina University

Community and Professional

- 2023-Present Disaster Hygiene Kit Volunteer, Heart to Heart International, Lenexa, KS.
- 2023-Present Elections Committee, Global Planning Educators Interest Group (GPEIG), Association of Collegiate Schools of Planning (ACSP).
- 2023 Organized a Hazard Risk Management Workshop for the Vineyard Neighborhood in Kansas City, MO.

- 2022 Organized and Led a Hazard Risk Management Workshop for the South Round Top Neighborhood in Kansas City, MO.
- 2021-2022 Elected President and Board Member of the Willow Creek Village Homeowners' Association in Asheville, NC.
- 2020-2022 Worked with the Emergency Management Student Association and the WNC Returned Peace Corps Association to organize and lead a series of Peace Corps panels, Western Carolina University
- 2020 Organized a workshop on Geographic Information Systems for local emergency management professionals
- 2018 Samuel Henry Prince Dissertation Award Reviewer
- 2017-Present Peer Reviewer: *Cleaner Waste Systems* (2024), *Environmental Economics and Policy Studies* (2020), *International Journal of Disaster Risk Reduction* (2018, 2021), *Journal of Planning Literature* (2025), *Philippine Journal of Public Administration* (2022), *Risk, Hazards & Crisis in Public Policy* (2020, 2023), *Waste Management* (2017, 2020).

Advising and Mentorship

Ph.D. Committee Membership

- 2022-2023 Committee Member for Bob Lambrechts, Ph.D. in Civil Engineering. "Carbon Removal for Climate Change Mitigation."

Advising

- 2023-Present Faculty Mentor to Undergraduate Urban Planning and Design Students, University of Missouri-Kansas City
- 2019-2022 Head Residential Advisor, Emergency and Disaster Management (EDM) Program, Western Carolina University
- 2017-2022 Advisor to Emergency and Disaster Management (EDM) students, Western Carolina University

Supervisory

- 2023-Present Supervising AmeriCorps research assistants on developing a pre-disaster recovery plan annex for community-dwelling older adults, conducting a training, and distributing research surveys.

2023-Present Supervising undergraduate research assistants on various research projects, University of Missouri-Kansas City.

2016-2017 Supervised a graduate research assistant on a debris management plan evaluation project, National Disaster Preparedness Training Center.

Other Work Experience

May 2023- June 2023 Developed and Facilitated Neighborhood Resiliency Trainings, Kansas City, MO., Sponsored by the Kansas City Local Initiatives Support Corporation (LISC) and funded by the CDBG Program.

Aug. 2009-Feb. 2012 Peace Corps Volunteer, U.S. Peace Corps Philippines

Professional Memberships

American Institute of Certified Planners (AICP)

American Planning Association (APA) Missouri Chapter

Association of Collegiate Schools of Planning (ACSP)

Media Appearances

Quoted in Bennett, J., & Hicks, J. (2023, July 18). Kentucky flood cleanup nets big payday for debris industry. *Louisville Public Radio*.

Language Skills

English (Native), Ilokano (Proficient in speaking, reading, and writing), Tagalog (General proficiency in speaking, reading, and writing)

Technological Skills

ArcGIS, Hazus, R, SPSS, NVivo, Microsoft Excel, Microsoft Word, Microsoft PowerPoint, Adobe Photoshop