Fengxiu Zhang

Van Metra Hall, 3351
Fairfax Dr.
Arlington, VA 22201

Email: fzhang22@gmu.edu
Google Scholar
Twitter

ACADEMIC APPOINTMENTS

Assistant Professor, Schar School of Policy and Government, George Mason University, Fall 2020 --

Core Faculty Member, Center for Resilient and Sustainable Communities (C-RASC), George Mason University, Fall 2020 --

EDUCATION

Ph.D. in Public Administration and Policy (2020), School of Public Affairs, Arizona State University, Phoenix, AZ

Dissertation: "Public Organization Adaptation to Extreme Events: Evidence from the Public Transportation Sector"

Committee: Eric Welch (Chair), Michael Barton, Stuart Bretschneider, Mary Feeney, Spiro Maroulis

Master of Public Administration (2015), School of Public and Environmental Affairs, Indiana University - Purdue University, Indianapolis, IN

PROFESSIONAL TRAINING

University of Michigan, 2017 Inter-university Consortium for Political and Social Research II (ICPSR), Courses in Empirical Modeling of Social Science Theories and Bayesian Data Analysis.

Arizona State University, 2018 International Winter School, Agent-Based Modeling of Social-Ecological Systems

Stearns Center for Teaching and Learning, Online Course Development Primer, 2020, George Mason University

RESEARCH INTERESTS

Organization Adaptation to Extreme Events, Adaptation and Resilience, Decision Making under Risk and Uncertainty, Technology in Government, Civic Engagement, Quantitative Methods, Survey Research

PEER-REVIEWED PUBLICATIONS

1. Xiang, Tianyi, Gerber, Brian and **Zhang, Fengxiu** (2021), "Disaster Management and the 'Whole Community' Strategic Approach: Assessing Planning and Preparedness Efficacy for Language Access Services"*, International Journal of Disaster Risk Reduction,* https://doi.org/10.1016/j.ijdrr.2021.102072

2. **Zhang, Fengxiu,** Stritch, Justin and Welch, Eric W. (2019), "Tensions in Democratic Administration: Does Managerial Confidence in Administrative Capacity Reduce Democratic Participation in Organization Decision Making?", *Public Administration*, https://doi.org/10.1111/padm.12645

3. Feeney, Mary K., Fusi, Federica, Leonor Camarena and **Fengxiu Zhang** (2019), "Toward More Digital Cities? Change in Technology Use and Perceptions across Small and Medium-Sized US Cities", *Local Government Studies,* https://doi.org/10.1080/03003930.2019.1690993

4. **Zhang, Fengxiu** and Feeney, Mary K. (2019), Engaging through Technology: The Role of Administrative Culture and Mandates, *Public Management Review,* https://doi.org/10.1080/14719037.2019.1630475

5. **Zhang, Fengxiu**, Welch, Eric W. and Miao, Qing (2018), "Public Organization Adaptation to Extreme Events: Mediating Role of Risk Perception", *Journal of Public Administration Research and Theory*, 28(3), 371-387, https://doi.org/10.1093/jopart/muy004

6. **Zhang, Fengxiu** and Feeney, Mary K. (2018), "Managerial Ambivalence and Electronic Civic Engagement: The Role of Public Manager Beliefs and Perceived Needs", *Public Administration Review*, 78(1), 58–70, https://doi.org/10.1111/puar.12853

   2019 Honorable Mention, William E. Mosher and Frederick C Mosher Award, *Public Administration Review*

7. Miao, Qing, Welch, Eric W., **Zhang, Fengxiu** and Sriraj, P.S. (2018), "What Drives Public Transit Organizations to Adapt to Extreme Weather", *Journal of Environmental Management,* 225, 252-260, https://doi.org/10.1016/j.jenvman.2018.07.093

8. Miao, Qing, Feeney, Mary. K., **Zhang, Fengxiu**, Welch, Eric. W., & Sriraj, P. S. (2018). "Through the Storm: Transit Agency Management in Response to Climate Change", *Transportation Research Part D: Transport and Environment*, 63, 421–432. https://doi.org/10.1016/j.trd.2018.06.005

9. Fusi, Federica and **Zhang, Fengxiu** (2018). "Social Media Communication in the Workplace: Evidence from Public Employees' Networks", *Review of Public Personnel Administration*, https://doi.org/10.1177/0734371X18804016

10. Dumortier, Jerome, **Zhang, Fengxiu** and Marron, John (2017). "State and Federal Fuel Taxes: The Road Ahead for U.S. Infrastructure Funding", *Transportation Policy,* 53, 39-49, https://doi.org/10.1016/j.tranpol.2016.08.013

REVISE AND RESUBMIT

1. **Zhang, Fengxiu**, "Evaluating Public Transit Performance under Extreme Weather: Does Organizational Adaptive Capacity Matter?", *Journal of Environmental Management*

2. **Zhang, Fengxiu,** Maroulis, Spiro, "Experience is Not Enough: A Dynamic Explanation of the Limited Adaptation to Extreme Weather Events in Public Organizations", *Global Environmental Change*

3. **Zhang, Fengxiu**, "Evaluating Public Transit Performance under Extreme Weather: Does Organizational Adaptive Capacity Matter?", *Journal of Environmental Management*

MANUSCRIPTS UNDER REVIEW

1. **Zhang, Fengxiu,** Welch, Eric W., "Does the configuration of macro- and micro- institutional contexts affect public organization adaptation to extreme events?", *Journal of Public Administration Research and Theory*

2. **Zhang, Fengxiu**, "Not all extreme weather events are equal: Examining risk perception and adaptation to extreme weather in public organizations", *Climatic Change*

3. Fusi, Federica, **Zhang, Fengxiu**, Liang, Jiaqi, "Implementation of Open Data for Environmental Justice: An Analysis of State-Level Political and Organizational Conditions"

4. **Zhang, Fengxiu** and Marvel, John, "COVID-19 Morbidity, Vaccine Side Effects, and Vaccine Hesitancy among African Americans", PLoS ONE

FUNDED RESEARCH GRANTS

1. Wenying Ji, and **Zhang, Fengxiu** "Emergency response network for critical infrastructure protection under extreme events: data-driven network approach", Seed Grant, Center for Resilient and Sustainable Communities (C-RASC) (Award $10,000), George Mason University, May 2021

2. **Zhang, Fengxiu** (PI) and John Marvel, "Surviving COVID-19: Risk factors and Risk Perception in Black Communities", Quick Response Research Award Supported by the Natural Hazards Center at the University of Colorado Boulder with the support of the National Science Foundation (Award $2,000), December 2020

3. Anthony Grubesic (PI), Eric Welch, Fangwu Wei and **Fengxiu Zhang**, "An Integrative Approach to Adaptive Management and Collaborative Governance: Linking Extreme Weather and Transportation Vulnerability Using a Geodesign Platform to Visualize and Facilitate Decision Making", College of Public Service & Community Solutions Internal Grant (Award $50,000), Arizona State University, , May 2018

SUBMITTED RESEARCH GRANTS

1. Ji, Ran, Ji, Wenying and **Fengxiu Zhang,** "Reducing Disaster Response Inequity: Public Satisfaction-Driven Relief Resource Allocation", Seed Grant, Center for Resilient and Sustainable Communities (C-RASC) (Budget $10,000), George Mason University, May 2021

2. **Zhang, Fengxiu** and Marvel, John, "Overcoming COVID-19 vaccine hesitancy in Black communities in the UK and US: Less fear, more hope", joint call from the British Academy, Social Science Research Council and UK Science & Innovation Network on "Exploring Vaccine Hesitancy through Community and Place" (Budget $47,329), February 2021

3. Dolan, Dana and **Zhang, Fengxiu**, "RaSC Practice Pilot Survey: Refining a Conceptual Framework to Facilitate Local Government Initiatives for Building Resilient and Sustainable Communities (RaSCs)", American Political Science Association Centennial Center Research Grant, June 2020

AWARDS & HONORS

1. 2019 NASPAA Emerging Scholar Award. Network of Schools of Public Policy, Affair and Administration (NASPAA)
2. 2019 Honorable Mention, William E. Mosher and Frederick C. Mosher Award, *Public Administration Review*
3. 2019 Digital Governance Junior Scholar, Section on Science & Technology in Government (SSTIG), American Society of Public Administration (ASPA)
4. 2019 Best Student Paper, Section on Transportation Policy and Transportation (STPA), American Society of Public Administration (ASPA)
5. Dissertation Completion Fellowship 2019 Spring ($10,000), Graduate College, Arizona State University
6. Outstanding Doctoral Student 2018-2019, School of Public Affairs, Arizona State University
7. Outstanding Doctoral Paper 2017-2018, School of Public Affairs, Arizona State University
8. Best Reviewer, Organizations and Natural Environment (ONE) Division, Academy of Management Annual Conference 2017
9. Empirical Implications of Theoretical Models (EITM) Certificate 2017: Bayesian Modeling for the Social Sciences II
10. Best Paper Award, Doctoral Student Research Conference 2016, College of Public Service & Community Solutions, Arizona State University (with Federica Fusi)
11. Graduate College Travel Award, Fall 2016 & Summer 2019

CONFERENCE PRESENTATIONS

1. Zhang, Fengxiu, Welch, Eric W., "Does the configuration of macro- and micro- institutional contexts affect public organization adaptation to extreme events?", Association for Public Policy Analysis and Management Fall Research Conference (APPAM), November 2020, Virtual

2. Fusi, Federica, Liang, Jiaqi, Zhang, Fengxiu, "Implementation of Open Data for Environmental Justice: An Analysis of State-Level Political and Organizational Conditions", Association for Public Policy Analysis and Management Fall Research Conference (APPAM), November 2020, Virtual

3. Zhang, Fengxiu, **"**Performance Evaluation of Public Transit Systems under Extreme Weather Events: Does Organizational Adaptive Capacity Matter?", Transportation Research Board (TRB) Annual Conference, January 2020, Washington, D.C.

4. Liang, Jiaqi, Zhang, Fengxiu, "Open Data, Digital Exclusion, and Environmental Equity : From the Perspective of Policy Implementation", Association for Public Policy Analysis and Management Fall Research Conference (APPAM), November 2019, Denver

5. Fusi, Federica, Zhang, Fengxiu, "The Effects of Contracting out on Organizational Communication: Evidence from the U.S. Transit Agencies", APPAM, November 2019, Denver

6. Zhang, Fengxiu, "What Explains the Emerging Yet Limited Adaptation to Extreme Events in Transit Agencies: An Agent-based Modeling Approach", Public Management Research Conference (PMRC), June 2019, The University of North Carolina, Chapel Hill

7. Zhang, Fengxiu, "Public Organization Adaptation to Extreme Events: Connecting Managerial Cognition to Institutions", APPAM, November 2018, Washington D.C.

8. Fusi, Federica, Zhang, Fengxiu and Feeney, Mary K., "A Relational Approach to Investigate Twitter Use in Small and Medium US City Government", APPAM, November 2018, Washington D.C.

9. Gerber, Brian, Xiang, Tianyi and Zhang, Fengxiu, "Disaster Management and the 'Whole Community' Strategic Approach: Assessing Planning and Preparedness Efficacy for Language Access Services", 2nd Conference of International Network of Disaster Studies, July 2018, Morioka, Japan.

10. Gerber, Brian, Xiang, Tianyi and Zhang, Fengxiu, "Disaster Management and the 'Whole Community' Strategic Approach: Assessing Planning and Preparedness Efficacy for Language Access Services", Midwest Political Science Association (MPSA), April 2018, Chicago.

11. Miao, Qing, Welch, Eric W. and Zhang, Fengxiu. "How Public Organizations Tackle Weather Risks: A Study of U.S. Transit Agencies", Transportation Research Board (TRB) Annual Conference, January 2018, Washington, D.C.

12. Zhang, Fengxiu, Nelson, Jake and Welch Eric W., "Simulating Public Organization Response to Extreme Events", APPAM, November 2017, Chicago.

13. Zhang, Fengxiu and Feeney, Mary K. "Engaging the Public: Do Organizational Values Predict Electronic Engagement?", APPAM, November 2017, Chicago.

14. Zhang, Fengxiu, Welch, Eric W. and Stritch, Justin "Does Organizational Response Capacity Reduce Political Oversight and Participative Governance?", MPSA, 2017 April, Chicago.

15. Miao, Qing, Zhang, Fengxiu, Eric Welch and P. S. Sriraj, "What Are Public Transit Agencies Doing to Manage Extreme Weather Events in the U.S.? Evidence from a National Survey", 2017 TRB Annual Conference, January 2017, Washington, D.C.

16. Fusi, Federica and Zhang, Fengxiu, "Professional Networks in Public Organizations and Social Media Use", Doctoral Student Research Conference 2016, College of Public Service & Community Solutions,

Arizona State University, Phoenix.

17. Zhang, Fengxiu and Feeney, Mary K., "Social Media and Citizen Engagement: What Do Bureaucrats Think?", APPAM, November 2016, Washington, D.C.

18. Miao, Qing, Welch, Eric W. and Zhang, Fengxiu, "How Public Organizations Manage Weather Risks: A Study of U.S. Transit Agencies", APPAM, November 2016, Washington, D.C.

19. Zhang, Fengxiu, Welch, Eric W. and Miao, Qing, "Assessing Organizational Adaptation to Extreme Weather Events: Evidence from The U.S. Public Transportation Sector", Duck Family Graduate Workshop on Environmental Politics and Governance, May 2016, Seattle.

20. Miao, Qing, Welch, Eric W. and Zhang, Fengxiu. "Assessing Climate Change and Extreme Weather: What Are Public Agencies Doing?", Urban Affairs Associated Annual (UAA) Conference, March 2016, San Diego

SELECTED PROJECTS

1. **Project Manager**. National Study on Transit Agency Weather Response and Preparedness, Federal Transit Administration, US Department of Transportation, September 2015 – September 2019

    Responsibilities: sampling strategy, sample frame development, IRB, coordinating and conducting interviews, survey pretest, survey design and administration, project report writing, developing journal manuscripts, dissemination of research outputs

2. **Project Manager:** Annual Evaluation Report: Year 1 and Year 2 for Kansas EPSCoR, Track 1 Microbiomes of Aquatic Habitats, Plants and Soils Project (MAPS), National Science Foundation, August 2017 – August 2019

    Responsibilities: survey instrument design, IRB, coding interviews, survey pretest, survey administration, data analysis and visualization, project report writing

3. **Project Manager.** National Survey of Technology and Civic Participation in Local Government. August 2016 – August 2017

    Responsibilities: survey design and administration, data cleaning and analysis, codebook development, writing project report and policy memos, developing journal manuscripts

4. **Project Manager**. An Integrative Approach to Adaptive Management and Collaborative Governance: Linking Extreme Weather and Transportation Vulnerability Using a Geodesign Platform to Visualize and Facilitate Decision Making, May 2018 – May 2019

    Responsibilities: IRB, data scraping, sampling strategy, coordinating and conducting interviews with key stakeholders, survey design, coordinating interactive decision-making workshops, report writing, grant application development assistance.

PROFESSIONAL REPORTS

1. Annual Evaluation Report: Year 1 for Kansas EPSCoR, Track 1 Microbiomes of Aquatic Habitats, Plants and Soils Project (MAPS), Eric Welch, Fengxiu Zhang, Steven Maynard-Moody and Genna Hurd (2018), presented to National Science Foundation

2. Data Sharing, Civic Engagement, and Technology Use in Local Government Agencies: Findings from a National Survey, Mary K. Feeney, Eric Welch, Fengxiu Zhang, Leonor Camarena, Seong K. Cho and Federica Fusi (2017), CSTEPS, ASU, Phoenix AZ, bit.ly/2rk7YZO

3. Contested Resource Inputs to Science: How Institutional Provisions on the Access and Use of Materials and Data Affect Research Collaboration Structures and Outcomes, Eric Welch, Mary K.

Feeney, Michael Siciliano, Federica Fusi and Fengxiu Zhang (2017). CSTEPS, ASU, Phoenix AZ. http://bit.ly/2EI2rjF

4. National Survey of US Public Transit Agency Experience with and Response to Extreme Weather Events. Eric Welch, Qing Miao, Fengxiu Zhang and Sriraj P.S. (2016), Washington, D.C.: National Transportation Library. https://rosap.ntl.bts.gov/view/dot/31623

MEDIA

1. *City Managers Matter in How Cities Engage with Citizens*, USApp-American Politics and Policy Blog, Fengxiu Zhang and Mary Feeney, November 2017, London School of Economics and Political Science, US Center, https://bit.ly/2Qw5i5U

2. *E-participation for Public Managers in Small and Medium Sized US Cities,* Dusseldorf Institute for Internet and Democracy, Heinrich Heine University, Mary Feeney, Federica Fusi, Fengxiu Zhang and Leonor Camarena, February 2018

TEACHING INTERESTS

Public Management, Organization Theory, Organizational Behavior, Public Policy Process, Research Methods, Data Analytics

TEACHING EXPERIENCE

PUAD 540: Public Policy Process, MPA program, Schar School of Policy and Government, George Mason University, Fall 2020

PAF 200: Public Service and Public Policy in the 21st Century (Instructor), Undergraduate Program, School of Public Affairs, Arizona State University, Fall 2019, Spring 2020

ANALYTIC SKILLS

Generalized Linear Models, Structural Equation Modeling, Panel Data Analysis, Agent-based Modeling, Social Network Analysis, Bayesian Data Analysis, Stochastic Frontier Analysis, Spatial Analysis, Machine Learning, Data Visualization
    Software used: R, Mplus, Stata, Python, Netlogo, ArcMap, SQL, LaTeX

JOURNAL AND CONFERENCE REVIEW SERVICE

Journal of Public Administration Research and Theory
Public Administration Review
Disasters
Business & Society
Local Government Studies
Journal of Transport Geography
Journal of Environmental Management
Academy of Management Annual Conference
Transportation Research Board Annual Conference