

## **ANDREA L. PIERCE**

(formerly Andrea P. Sarzynski)

Associate Professor, Biden School of Public Policy & Administration

UNIVERSITY OF DELAWARE

298J Graham Hall | Newark, DE 19716 | (302) 831-1244 | [alpirce@udel.edu](mailto:alpirce@udel.edu)

### **ACADEMIC APPOINTMENTS**

	UNIVERSITY OF DELAWARE, Newark, DE
2017-	Associate Professor (Tenured), School of Public Policy & Administration
2015-	Joint Appointment, Department of Geography
2011-17	Assistant Professor (Tenure-Track), School of Public Policy & Administration
	GEORGE WASHINGTON UNIVERSITY, Washington, DC
2008-11	Assistant Professor (Research), Institute of Public Policy
	ROCHESTER INSTITUTE OF TECHNOLOGY, Rochester, NY
2006-07	Assistant Professor (Visiting), Public Policy Department

### **EDUCATION**

	GEORGE WASHINGTON UNIVERSITY, Washington, DC
2006	Ph.D. in Public Policy & Public Administration Dissertation: "The Effect of Urban Form on Air Quality: A Comparative Analysis of 50 U.S. Metropolitan Areas" (Chair, Harold Wolman)
2003	Master of Public Policy
	CORNELL UNIVERSITY, Ithaca, NY
1999	Bachelor of Science in Natural Resources, <i>cum laude</i>

### **PROFESSIONAL EXPERIENCE**

	THE BROOKINGS INSTITUTION, Washington, DC
6/07-8/08	Senior Research Analyst, Metropolitan Policy Program
	GEORGE WASHINGTON UNIVERSITY, Washington, DC
1/03-8/05	Graduate Research Assistant, Institute of Public Policy
	EXECUTIVE OFFICE OF THE PRESIDENT, Washington, DC
8/01-12/02	Graduate Student Assistant, Council on Environmental Quality
	SIDLEY AUSTIN LLP, Washington, DC
3/99-7/01	Legal Assistant, Environmental Practice

## PUBLICATIONS

[Google Scholar Profile](#)

## Peer-Reviewed Journal Articles

[\(\[orcid.org/0000-0001-9941-5764\]\(https://orcid.org/0000-0001-9941-5764\)\)](https://orcid.org/0000-0001-9941-5764)

1. Tye, M., Wilhelmi, O., Boehnhert, J., Faye, E., Milestad, R., **Pierce, A.L.**, & Laborgne, P. (2024). "Examining Urban Resilience through a Food-Water-Energy Nexus Lens to Understand the Effects of Climate Change." *iScience*. (Forthcoming)
2. Suchomska, J., Goszczyński, W., Laborgne, P., Cámara-Menoyo, C., **Pierce, A.**, Wróblewski, M., Porto de Albuquerque, J., and Jirka, S. (2024). "Hybrid foodscape: Digital tools for knowledge exchange and sustainable public food procurement in Polish community kindergartens." *Gateways: International Journal of Community Research and Engagement* 17(1): 1-18. <https://doi.org/10.5130/ijcre.v17i1.8287>
3. Qamar, F., **Pierce, A.L.**, Dobler, G. (2023). "Covariance in Policy Diffusion: Evidence from the Adoption of Hyperlocal Air Quality Monitoring Programs by US Cities." *Cities* 138 (July): 104363. <https://doi.org/10.1016/j.cities.2023.104363>
4. Balaican, D., Nichersu, Iulian, Nichersu, Iuliana, **Pierce, A.L.**, Wilhelmi, O., Laborgne, P., and Bratfanof, E. (2023). "Creating Knowledge about Food-Water-Energy Nexus at a Local Scale: A Participatory Approach in Tulcea, Romania." *Environmental Science and Policy* 141: 23-42. <https://doi.org/10.1016/j.envsci.2022.12.013>
5. Barnes, P., Morris, M., **Pierce, A.L.**, and Schaffer, T. (2022). "Answering the Call: Offering and Analyzing Civil Discourse Opportunities in Undergraduate Public Affairs Education." *Journal of Public Affairs Education* 29(2): 213-231. <https://doi.org/10.1080/15236803.2022.2148604>
6. Tye, M., Wilhelmi, O., **Pierce, A.L.**, et al. (2022). "The Food Water Energy Nexus in an Urban Context: Connecting Theory and Practice for Nexus Governance." *Earth Systems Governance* 12: 100143. doi:10.1016/j.esg.2022.100143
7. Laborgne, P., Ekille, E., **Pierce, A.L.**, et al. (2021). "Urban Living Labs: How to Enable Inclusive Co-creation?" *Urban Transformations* 3: 11. doi:10.1186/s42854-021-00026-0
8. Siders, A.R., & **Pierce, A.L.** (2021). "Deciding How to Make Climate Change Adaptation Decisions." *Current Opinion in Environmental Sustainability* 52(10): 1-8. doi:10.1016/j.cosust.2021.03.017
9. **Sarzynski, A.** & Vicino, T. (2019). "Shrinking Suburbs: Analyzing the Decline of American Suburban Spaces." *Sustainability* 11(19), 5230. doi:10.3390/su11195230
10. Shih, C., Latham, W., & **Sarzynski, A.** (2016). "A Collaborative Framework for US State-Level Energy Efficiency and Renewable Energy Governance." *The Electricity Journal* 29: 21-26. doi:10.1016/j.tej.2016.10.013
11. **Sarzynski, A.** (2015). "Public Participation, Civic Capacity, and Climate Change Adaptation in Cities." *Urban Climate* 14: 52-67. doi:10.1016/j.uclim.2015.08.002
12. Marcotullio, P., Hughes, S., **Sarzynski, A.**, Pincetl, S., Sanchez Pena, L., Romero-Lankao, P., Runfola, D., & Seto, K. (2014). "Urbanization and the Carbon Cycle: Contributions from Social Science." *Earth's Future* 2(10): 496-514. doi:10.1002/2014ef000257
13. Romero-Lankao, P., Gurney, K., Seto, K., Chester, M., Duren, R.M., Hughes, S., Hutyra, L.R., Marcotullio, P., Baker, L., Grimm, N.B., Kennedy, C., Larson, E., Pincetl, S., Runfola, D., Sanchez, L., Shrestha, G., Feddema, J., **Sarzynski, A.**, Sperling, J., & Stokes, E. (2014). "A Critical Knowledge Pathway to Low-Carbon, Sustainable Futures: Integrated Understanding of

- Urbanization, Urban Areas and Carbon.” *Earth’s Future* 2(10): 515-532.  
doi:10.1001/2014ef000258
14. **Sarzynski, A.**, Galster, G., & Stack, L.^ (2014). “Evolving U.S. Metropolitan Land Use Patterns, 1990-2000.” *Urban Geography* 35(1): 25-47. doi:10.1080/02723638.2013.823730
  15. **Sarzynski, A.**, Galster, G., & Stack, L.^ (2014). “Typologies of Sprawl: U.S. Metropolitan Land Use Patterns.” *Urban Geography* 35(1): 48-70. doi:10.1080/02723638.2013.826468
  16. Marcotullio, P., **Sarzynski, A.**, Albrecht, J., & Schulz, N. (2013). “A Top-Down Regional Assessment of Urban Greenhouse Gas Emissions in Europe.” *Ambio* 43(7): 1-12.  
doi:10.1007/s13280-013-0467-6
  17. Marcotullio, P., **Sarzynski, A.**, Albrecht, J., Schulz, N., & Garcia, J.^ (2013). “The Geography of Global Urban Greenhouse Gas Emissions: An Exploratory Analysis.” *Climatic Change* 121: 621-634. doi:10.1007/s10584-013-0977-z
  18. Marcotullio, P., **Sarzynski, A.**, Albrecht, J., & Schulz, N. (2012). “The Geography of Urban Greenhouse Gas Emissions in Asia: A Regional Analysis.” *Global Environmental Change* 22(4): 944-958. doi:10.1016/j.gloenvcha.2012.07.002
  19. **Sarzynski, A.** (2012). “Bigger is Not Always Better: A Comparative Analysis of Cities and their Air Pollution Impact.” *Urban Studies* 49: 3115-3132. doi:10.1177/0042098011432557
  20. **Sarzynski, A.**, Larrieu, J.^, & Shrimali, G. (2012). “The Impact of State Financial Incentives on Market Deployment of Solar Technology.” *Energy Policy* 46: 550-557.  
doi:10.1016/j.enpol.2012.04.032
  21. Marcotullio, P., Albrecht, J., & **Sarzynski, A.** (2011). “The Geography of Greenhouse Gas Emissions from Within Urban Areas of India: A Preliminary Assessment.” *Resources, Energy, and Development* 8(1): 11-35.
  22. Brown, M., Southworth, F., & **Sarzynski, A.** (2009). “The Geography of Metropolitan Carbon Footprints.” *Policy & Society* 27: 285-304. doi:10.1016/j.polsoc/2009.01.001
  23. **Sarzynski, A.**, Wolman, H., Galster, G., & Hanson, R. (2006). “Testing the Conventional Wisdom about Land Use and Traffic Congestion: The More We Sprawl, the Less We Move?” *Urban Studies* 43(3): 601-626. doi:10.1080/00420980500452441
  24. Wolman, H., Galster, G., Hanson, R., Ratcliffe, M., Furdell, K.^, & **Sarzynski, A.** (2005). “The Fundamental Challenge in Measuring Sprawl: Which Land Should Be Considered?” *Professional Geographer* 57(1): 94-105. doi:10.1111/j.0033-0124.2005.00462.x

^ Student co-author

### Edited Books

1. Marcotullio, P., Sperling, J., & **Pierce, A.L.**, eds. (2023, July). *Urban Energy and Climate: Prospects for a Sustainable Transition*. World Scientific Series in Current Energy Issues: Volume 8. World Scientific Publishing. <https://doi.org/10.1142/13194>
  - a. **Pierce, A.**, Marcotullio, P., & Sperling, J. “Introduction.” (pp.1-10)
  - b. **Pierce, A.**, Marcotullio, P., & Sperling, J. “Past Trends and Future Prospects for a Sustainable Urban Energy Transition.” (pp.13-33)
  - c. Marcotullio, P., Sperling, J., & **Pierce, A.** “Conclusion.” (pp.317-332)

### Book Chapters

1. **Pierce, A.L.**, Heyder, M., Tregonning, G.^, Laborgne, P., Wilhelmi, O., & Wendel, J. (2022). “Examining Knowledge of the Nexus at the Urban Scale.” In F. Brouwer, ed., *Handbook on the*

*Water-Energy-Food Nexus* (pp.193-209). Edgar Elgar.  
<https://doi.org/10.4337/9781839100550.00017>

2. Barnes, P. & **Sarzynski, A.** (2019). “Mobilizing Communities to Confront Global Challenges: A Phronetic Inquiry into the Transition Movement.” In Kendra, J., Knowles, S., & Wachtendorf, T. (Eds.), *Disaster Research and the Second Environmental Crisis: Assessing the Challenges Ahead*. Springer International Publishing. <https://www.springer.com/gp/book/9783030046897>
3. **Sarzynski, A.** (2018). “Multi-level Governance, Civic Capacity, and Overcoming the Climate Change ‘Adaptation Deficit’ in Baltimore, Maryland.” In Hughes, S., Chu, E., & Mason, S. (eds.), *Climate Change in Cities: Innovations in Multi-Level Governance* (pp.97-120). Springer. <http://www.springer.com/us/book/9783319650029>
4. Iftikhar, M.N.^, Ali, S., & **Sarzynski, A.** (2018). “Community-Government Partnership for Clean, Metered Drinking Water: A Case Study of Bhalwal, Pakistan.” In Hughes, S., Chu, E., & Mason, S. (eds.), *Climate Change in Cities: Innovations in Multi-Level Governance* (pp.163-179). Springer. <http://www.springer.com/us/book/9783319650029>
5. **Sarzynski, A.** & Cavaliere, P.^ (2018). “Public Participation in Planning for Community Management of Natural Hazards.” In *Oxford Research Encyclopedia of Natural Hazards Governance*. Oxford University Press. doi:10.1093/acrefore/9780199389407.013.151
6. Marcotullio, P., **Sarzynski, A.**, Sperling, J., Chavez, A., Estiri, H., Pathak, M., & Zimmerman, R. (2018). “Energy Transformation in Cities.” In Rosenzweig, C., Solecki, W., Romero-Lankao, P., Mehrota, S., Dhakal, S., & Ibrahim, S.A. (Eds.), *Climate Change and Cities: Second Assessment Report of the Urban Climate Change Research Network*. Cambridge, UK: Cambridge University Press.
7. Marcotullio, P., **Sarzynski, A.**, Albrecht, J., Schulz, N., & Garcia, J. (2016). “Assessing Urban Greenhouse Gas Emissions in European Medium and Large Cities: Methodological Considerations.” In P. Laconte & C. Gossop (Eds.), *Sustainable Cities: Assessing the Performance and Practice of Urban Environments* (pp.83-101). London: I.B. Tauris.
8. **Sarzynski, A.** (2012). “Carbon Footprint.” In Fogel, D., Fredericks, S., Harrington, L. & Spellerberg, I. (Eds.), *Measurements, Indicators, and Research Methods for Sustainability* (Vol. 6), *Berkshire Encyclopedia of Sustainability* (pp.42-45). Great Barrington, MA: Berkshire Publishing. doi:10.1093/acref/9780190622664.001.0001
9. Brown, M., Southworth, F., & **Sarzynski, A.** (2010). “Features of Climate-Smart Metropolitan Economies.” In C. Pascual & J. Elkind (Eds.), *Energy Security: Economics, Politics, Strategies, and Implications* (pp.185-208). Washington, DC: Brookings Press.

^ Student co-author

## Policy Reports

1. **Pierce, A.L.**, Sharma, S.^, & Tye, M. (2021). *Case Report for Wilmington, Delaware, USA*. Prepared for Work Package 1 of the Creating Interfaces project, funded by the Belmont Forum’s Sustainable Urbanisation Global Initiative. OSF Preprints. Available at <https://osf.io/y78dh/>
2. *Implementing Regionalism: Connecting Emerging Theory and Practice to Inform Economic Development*. George Washington Institute of Public Policy and RW Ventures, LLC. (2011). Available at <http://www.rw-ventures.com/publications/downloads/Surdna%20Final%20Paper%20-%20Combined%20112111.pdf>. Lead author on chapter VI and contributing author to Appendix B.

3. **Sarzynski, A.** (2010). *The Impact of Solar Incentive Programs in Ten States*. Washington, DC: George Washington Institute of Public Policy. Available at [http://gwipp.gwu.edu/files/downloads/GWIPP\\_Impact10.pdf](http://gwipp.gwu.edu/files/downloads/GWIPP_Impact10.pdf)
4. **Sarzynski, A.** (2009). *State Policy Experimentation with Financial Incentives for Solar Energy*. Washington, DC: George Washington Institute of Public Policy. Available at [http://gwipp.gwu.edu/files/downloads/GWIPP\\_Incentive\\_Inventory.pdf](http://gwipp.gwu.edu/files/downloads/GWIPP_Incentive_Inventory.pdf)
5. Wolman, H., et al. (2009). "Chapter 6: New Strategies for a Metropolitan America; Extending HUD's Urban and Regional Mission." In Brophy, P.C. & Godsil, R.D. (Eds.), *Retooling HUD for a Catalytic Federal Government: A Report to Secretary Shaun Donovan*. Philadelphia, PA: Penn Institute for Urban Research. Available at <http://penniur.upenn.edu/uploads/media/retooling-hud-report.pdf>
6. Duderstadt, J., et al. (2009). *Energy Discovery-Innovation Institutes: A Step Towards America's Sustainability*. Washington, DC: Brookings Institution. Available at <http://www.brookings.edu/research/reports/2009/02/09-energy-innovation-muro>
7. Lang, R.E., **Sarzynski, A.**, & Muro, M. (2008). *Mountain Megs: America's Newest Metropolitan Places and a Federal Partnership to Help Them Prosper*. Washington, DC: Brookings Institution. Available at <http://www.brookings.edu/research/reports/2008/07/20-mountainmegs-sarzynski>
8. Brown, M.A., Southworth, F., & **Sarzynski, A.** (2008). *Shrinking the Carbon Footprint of Metropolitan America*. Washington, DC: Brookings Institution. Available at <http://www.brookings.edu/research/reports/2008/05/carbon-footprint-sarzynski>

## Working Papers

1. **Pierce, A. L.**, Goszczynski, W., Suchomska, J., Wróblewski, M., Nichersu, I., Balaican, D., Nichersu, I., Sharma, S., & Laborgne, P. (2023). Exploring the Challenges and Opportunities for Integrated Governance of Food, Energy, and Water Systems: Insights from Three Mid-Sized Cities. *OSF Preprints*. Available at <https://doi.org/10.31219/osf.io/tkx78>
2. **Sarzynski, A.** & Barnes, P. (2015). "Exploring the Characteristics and Activities of American Transition Initiatives." Working Paper #5. Newark, DE: School of Public Policy & Administration, University of Delaware. Available at <http://udspace.udel.edu/handle/19716/17331>
3. **Sarzynski, A.** (2015). "Local Policy Responses to Urban Air Pollution and Ecosystem Stress." Working Paper #4. Newark, DE: School of Public Policy & Administration, University of Delaware. Available at <http://udspace.udel.edu/handle/19716/17044>
4. Albrecht, J., Marcotullio, P., **Sarzynski, A.**, & Schulz, N. (2013). "The Role of Suburbia in the Attribution of Greenhouse Gas Emissions." Presented at the AESOP-ACSP Joint Congress, July 15-19, Dublin. *Publications and Research* (Paper #26). New York, NY: Hunter College CUNY. Available at [http://academicworks.cuny.edu/hc\\_pubs/26](http://academicworks.cuny.edu/hc_pubs/26)
5. Wolman, H., Levy, A., & **Sarzynski, A.** (2011). "Regional Systems and Regional Economic Growth: A Systems Approach to Understanding the Regional Economy." Working Paper #46. Washington, DC: George Washington Institute of Public Policy. Available at [http://gwipp.gwu.edu/files/downloads/Working\\_Paper\\_046\\_RegionalSystems.pdf](http://gwipp.gwu.edu/files/downloads/Working_Paper_046_RegionalSystems.pdf)
6. **Sarzynski, A.** & Levy, A. (2010). "Spatial Efficiency and Regional Prosperity: A Literature Review and Policy Discussion." Working Paper #41. Washington, DC: George Washington Institute of Public Policy. Available at [http://gwipp.gwu.edu/files/downloads/Working\\_Paper\\_041\\_RegionalProsperity.pdf](http://gwipp.gwu.edu/files/downloads/Working_Paper_041_RegionalProsperity.pdf)

7. Young, G. & **Sarzynski, A.** (2009). "The Adoption of Solar Energy Financial Incentives across the States, 1974-2007." Working Paper #39. Washington, DC: George Washington Institute of Public Policy. Available at [http://gwipp.gwu.edu/files/downloads/Working\\_Paper\\_039\\_SolarEnergy.pdf](http://gwipp.gwu.edu/files/downloads/Working_Paper_039_SolarEnergy.pdf)
8. **Sarzynski, A.**, Hanson, R., Wolman, H., & McGuire, M. (2005). "All Centers Are Not Equal: An Exploration of the Polycentric Metropolis." Working Paper #15. Washington, DC: George Washington Institute of Public Policy. Available at [http://gwipp.gwu.edu/files/downloads/Working\\_Paper\\_015\\_Polycentric.pdf](http://gwipp.gwu.edu/files/downloads/Working_Paper_015_Polycentric.pdf)

### **Instructional Publications**

1. **Sarzynski, A.** (2016). Vehicle Fatalities in Delaware (Public Policy). PBL Clearinghouse, University of Delaware. Available at <http://www1.udel.edu/pblc/>

### **Other Publications**

1. Hughes, S. & **Sarzynski, A.** (2015). "Building Capacity for Climate Change Adaptation in Urban Areas: Editors' Introduction." *Urban Climate* 14: 1-3. doi:10.1016/j.uclim.2015.07.002
2. **Sarzynski, A.** (2008). "How Big is Your Community's Carbon Footprint?" *The Commissioner* (Summer): 1-2. (Published by the *American Planning Association*)

### **In Development**

1. **Pierce, A.L.,** & Moore, B. ^ "Relocalizing Food Systems as an Urban Resilience Strategy?" (in development)

## **SCHOLARLY PRESENTATIONS**

### **National and International**

- |      |  |
|------|--|
| 2023 | Urban Affairs Association Annual Conference, Nashville, TN (presenter)   |
| 2021 | Transforming Urban Governance in a Post-Pandemic World Conference, Hosted with the Urban Europe Research Alliance (online, panel); Sustainability Research & Innovation Congress 2021 (online, panel); Towards a Nexus Knowledge Agenda- Contributions from Social Science, Organized by UNU-FLORES & Nexus Project Cluster (webinar, presenter) |
| 2020 | Association for Public Policy Analysis & Management Fall Research Conference (online, presenter)   |
| 2019 | EURA-UAA City Futures IV Conference, Dublin (presenter), 2nd International Conference on Energy Research and Social Science, Tempe, AZ (presenter)   |
| 2018 | Boundary Spanning: Advances in Socio-Environmental Systems Research, National Socio-Environmental Synthesis Center, Annapolis, MD (presenter)  |
| 2017 | Urban Affairs Association Annual Conference, Minneapolis, MN (presenter)   |
| 2016 | Urban Affairs Association Annual Conference, San Diego, CA (presenter)   |
| 2015 | Urban Affairs Association Annual Conference, Miami, FL (presenter)   |

Andrea L. Pierce (continued)

- 2014 Association for Public Policy Analysis & Management Spring Conference, Washington, DC (presenter) ([slides](#)); Urban Affairs Association Annual Conference, San Antonio, TX (presenter)
- 2013 Human-Carbon Interactions in Urban Systems, Sponsored by U.S. Carbon Cycle Science Program/Carbon Cycle Interagency Working Group, Boulder, CO (workshop participant), Urban Affairs Association Annual Conference, San Francisco, CA (presenter)
- 2012 Urban Affairs Association Annual Conference, Pittsburgh, PA (presenter)
- 2011 Association of Public Policy Analysis & Management Annual Conference, Washington, DC (presenter); Urban Affairs Association Annual Conference, New Orleans, LA (presenter)
- 2010 Urbanization and Global Environmental Change Annual Conference, Phoenix, AZ (presenter); Urban Affairs Association Annual Conference, Honolulu, HI (presenter)
- 2009-10 Ecosystem Services on an Urbanizing Planet, National Center for Ecological Analysis & Synthesis, Santa Barbara, CA, August 17-21, 2009 and February 10-12, 2010 (sponsored by the National Science Foundation and the Nature Conservancy) (working group participant)
- 2006 Urban Affairs Association Annual Meeting, Montreal, Canada (presenter)
- 2005 Air & Waste Management Association Annual Meeting, Minneapolis (poster), Urban Affairs Association Annual Meeting, Salt Lake City (presenter)

^ Student co-author

### **Regional and Local**

- 2021 Virtual Annual Conference, Delaware Chapter of the American Planning Association, December 2. (invited, panelist)
- 2017 Symposium on Smart Cities and Sustainable Energy, University of Delaware, Newark, DE (presenter) ([news](#)); Promoting Successful Climate Transitions, Promoting Resilience and Transformation in Cities: A Conference for a Public Policy of Urban Climate Governance, Hunter College-CUNY, New York, NY (presenter)
- 2016 The Shifting Politics of U.S. Suburbs: Parties, Participation, and Public Opinion in 2016, George Mason University, Arlington, VA (co-presenter)
- 2015 Research Seminar, School of Public Policy & Administration, University of Delaware, Newark, DE (presenter); Geography Colloquium, College of Earth, Ocean, & Environment, University of Delaware, Newark, DE (presenter)
- 2012 Geography Colloquium, College of Earth, Ocean, & Environment, University of Delaware, Newark, DE (presenter); Research Symposium, Delaware Environmental Institute, University of Delaware, Newark, DE (panelist)
- 2011 Research Seminar, School of Public Policy & Administration, University of Delaware, Newark, DE (presenter)
- 2010 Research Methods Series, George Washington Institute of Public Policy, Washington, DC (presenter); Seminar Series, Center for Urban Environmental Research & Education, University of Maryland-Baltimore County, Baltimore, MD (invited, presenter), Conference on Urban and Regional Policy and its Effects, Washington, DC (discussant)
- 2009 Greater Des Moines Partnership, Washington, DC (presenter); Conference on Urban and Regional Policy and Its Effects, Washington, DC (presenter, discussant), Growing Smarter Speaker Series, Montgomery County, MD (presenter); Public Policy Colloquium, Rochester Institute of Technology, Rochester, NY (invited); George Washington University Seminar in Urban Studies, Washington, DC (discussant)

2008 Montgomery County Healthy and Sustainable Communities Workshop, Universities at Shady Grove, Rockville, MD (panel, presenter), Forum for Local/ State/ Federal Officials, Researchers and Educators on the Link Between Land Use, Energy Issues, and Climate Change, Cornell University, Ithaca, NY (invited, presenter), Workshop on Megaregions, the Sun Corridor, and Superstition Vistas, Sonoran Institute and Lincoln Institute of Land Policy, Phoenix, AZ, June 6 (presenter)

## **SPONSORED RESEARCH**

### **Awarded**

2023-2027 Investigator, “Safety, Mobility, Accessibility Regional Transportation Equity Research (SMARTER) Center” for Mid-Atlantic Region 3 (RTC Lead: Mansoureh Jeihani, Morgan State University). Source: U.S. Department of Transportation ([news](#))

2018-2022 Co-Principal Investigator, “Building Capacity for Integrated Governance at the Food-Water-Energy Nexus in Cities on the Water.” Source: Belmont Forum, Sustainable Urbanisation Global Initiative - Food-Water-Energy Nexus; my portion funded by the U.S. National Science Foundation Integrative and Collaborative Education and Research Program (\$229,700)

2010-2011 Investigator, “Using Market Analysis of Home Values to Measure the Economic and Fiscal Effects of Multi-Use Trails” (with Garry Young, Harold L. Wolman, and Joseph Cordes). Source: Active Living Research, Robert Wood Johnson Foundation

2010-2011 Investigator, “Implementing Regionalism: Connecting Emerging Theory and Practice to Inform Economic Development” (with Harold L. Wolman and Robert Weissbourd). Source: Surdna Foundation

2010 Principal Investigator, “The State of the Science on Urbanization and Air Quality.” Source: Institute for Sustainability Research, Education, & Policy, George Washington University

2008-2009 Principal Investigator, “Assessing the Design, Adoption, and Impact of State Solar Financial Incentives” (with Garry Young). Source: Institute for the Analysis of Solar Energy, George Washington University

2008-2009 Consultant, “Energy Discovery-Innovation Institutes.” Source: Metropolitan Policy Program, The Brookings Institution

### **Unsupported**

2023 Co-Principal Investigator, “Planning: CRISES: Adaptive Coastal Resilience along the Atlantic Seaboard (ACRAS)” (with PI: L. Palm-Forster; Co-PIs: N. David, J. Volk, S. Clem). Source: National Science Foundation (\$99,995) (summer salary) - unsupported

2022 Key Personnel, “RII Track-1: The Delaware Sustainability Science & Policy Hub for a Circular Economy” (Proposal 2242797). Co-PI: M. Ierapetritou, S. Ali, et al. Source: National Science Foundation (summer salary, 5 years) - unsupported

2021 Key Personnel, “Large-Scale CoPe: SHORES (Science of Hazards in Oceanic-Rural Environments and Societies)” (Proposal 22A00607). Co-PI: X. Yan and C. Wu. Source: National Science Foundation (summer salary, 5 years) - unsupported



- 2019 Investigator, Proposal to the State of Delaware for the Delaware Climate Plan Technical Assistance and Public Engagement (NAT19777). PI: Asa Hopkins (with Willett Kempton and Saleem Ali) - unsupported
- 2017 Co-Principal Investigator, “High-Resolution Spatial Analysis of Determinants of Greenhouse Gas Emissions in the Northeastern U.S., 1980-2010.” Co-PI: Peter Marcotullio. Source: National Science Foundation, Geography and Spatial Sciences Program (\$397,652) - unsupported
- 2015 Principal Investigator, “Assessing the Capacity and Commitment for Climate Change Adaptation in Mid-Atlantic Coastal Communities.” Source: National Science Foundation, Science, Technology and Society Program (\$307,793) - unsupported

## UNIVERSITY ACTIVITIES

### Instruction

	<u>Doctoral</u>	
2022-	Public Policy Theory	University of Delaware
2018-19	Research Design & Data Analysis	University of Delaware
2012-20	Governance, Planning, & Policy	University of Delaware
	<u>Master</u>	
2016-	Public Policymaking # §	University of Delaware
2014-18	Public Policy Analysis	University of Delaware
2013	Environmental Policy Analysis	University of Delaware
2012	Environmental Policy & Politics	University of Delaware
2009	Approaches to Policy Analysis	George Washington University
2007	Program Evaluation	Rochester Institute of Technology
2006	Readings in Public Policy	Rochester Institute of Technology
	<u>Bachelor</u>	
2022-	Public Policy Senior Capstone (+)	University of Delaware
2017	Contemporary Policy Issues (+)	University of Delaware
2016	First Year Seminar	University of Delaware
2016-	Public Policymaking	University of Delaware
2013	Environmental Policy Analysis	University of Delaware
2012	Environmental Policy & Politics	University of Delaware
2011-16	Public Policy Analysis (+)	University of Delaware
2006-07	Environmental Policy	Rochester Institute of Technology
2006-07	Policy Analysis I-II	Rochester Institute of Technology
	<u>Other</u>	
2023	Co-Instructor, Governor’s School of Excellence, University of Delaware, July 20 ( <a href="#">news</a> )	
2022	Co-Instructor, Governor’s School of Excellence, University of Delaware, July 21 ( <a href="#">news</a> )	
2017	Co-Instructor, Statistical Teaching and Analytics Research Training (START) Workshop, Mexico City, June 26-30	

# Includes in-person delivery and 7-week online version

§ Includes executive-style hybrid version (2022-)

(+) Includes “add-on” section for honors students

## Student Mentoring

### *In Progress*

Advisor, Bachelor of Arts in Public Policy, University of Delaware (42 students)

Advisor, Doctorate in Public Policy & Administration, University of Delaware (1 student)

Committee Member, Energy & Environmental Policy, University of Delaware (1 student)

### *Completed*

#### Doctoral Dissertation Committees

2023 *The George Washington University, Public Policy & Administration,*  
Ziyuan Wang (external examiner)

*University of Delaware, Energy & Environmental Policy*  
2020 Robert Ddamulira (member), Ariella Lewis (member)  
2018 Cheng-Hao Shih (member)

*University of Delaware, Engineering & Public Policy*  
2023 Farid Qamar (member)

*University of Delaware, Urban Affairs & Public Policy*  
2022 Chester Holland (member), Lindsay Interlante (member), Saloni Sharma (member)  
2021 Susan Grasso (member), Minhee Kim (member), Kayln McDonough (member)  
2019 Paolo Cavaliere (member), M. Naveed Iftikhar (member)  
2018 Jason Bourke (member), Claudia Caruso (member), George Irvine (member), Anthony DePrima (member)  
2017 David Carter (member), David P. Karas (member)  
2015 Sonia Lorelly Solano (member), Philip Barnes (member)

*University of Delaware, Water Science & Policy*  
2021 Aaron Russell (member)  
2016 Jennifer M. Egan (member)

#### Master Thesis Committees:

2018 *University of Delaware, M.S. Agricultural and Resource Economics*  
Jaclyn Kramer (member)

*University of Delaware, M.S. Disaster Science & Management*  
2016 Benjamin Wallace (member)

*University of Delaware, M.A. Urban Affairs & Public Policy*  
2016 Valerie Lane (member)  
2015 Caprice Torrance (chair), Allison Becker (member), S. Elizabeth Lockman (member)

*University of Delaware, M.S. Water Science & Policy*  
2016 Kristen Molfetta (member)

Master Analytical Paper:

2013 University of Delaware, M.A. Urban Affairs & Public Policy  
Steven Thorp (advisor), Matthew Parkhurst (advisor)

Other:

2020-21 Mentor, Global Sustainability Scholars Early Career Fellow  
2019 Advisor, University of Delaware, Undergraduate Research Scholars Program  
2018 Research Advisor, “Governance and Civic Capacity for the Provision of Clean  
Drinking-water in Urban Sindh,” Co-Principal Investigator: M. Naveed Iftikhar,  
sponsored by U.S.-Pakistan Centers for Advanced Studies in Water

**Leadership**

2023- Biden School of Public Policy & Administration, University of Delaware  
Director of Undergraduate Studies

*Associated Service:*

Chair, Undergraduate Committee  
2022- Director, Undergraduate Public Policy Program

*Associated Service:*

Member, Academic Curriculum Coordinating Committee  
Member, Undergraduate Subcommittee (*ad hoc*)

*Previous:*

2019 Interim Director, Doctoral Program in Urban Affairs & Public Policy

*Associated Service:*

Member, Academic Curriculum Coordinating Committee  
Member, Doctoral Subcommittee (*ad hoc*)

2018-19 Associate Director of Student Affairs

*Associated Service:*

Chair, Academic Curriculum Coordinating Committee  
Member, Strategic Planning Committee (*ad hoc*)

2018-19 Director, Master of Public Policy Program

2012-15 Director, Undergraduate Public Policy Program

*Associated Service:*

Member, Academic Curriculum Coordinating Committee  
Member, Undergraduate Subcommittee (*ad hoc*)

**Other Service**

Biden School of Public Policy & Administration, University of Delaware

2023- Member, Dean’s Council

2023-24 Member, Faculty Search Committee (Applied Economist)

2023-24 Affiliated Faculty, SNF Ithaca Initiative, University of Delaware

2022-24 Member, Promotion & Tenure Review Committee

2023- Member, Program Committee (Master of Public Policy)

2012- Member, Program Committee (Doctoral Program in Public Policy & Administration;  
formerly Urban Affairs & Public Policy)

*Affiliated Service:*

Member, Admissions Committee  
Examiner, Qualifying Exam (since 2013; chair: 2019)

*Previous:*

2023 Member, Staff Search Committee (Academic Advisor II)  
2023 Chair, Teaching Evaluation Committee, *ad hoc*  
2023 Member, Faculty Search Committee (joint with School of Education)  
2018-23 Member, Admissions Committees (Master of Public Policy and M.A. Urban Affairs & Public Policy)  
2021 Member, Faculty Review Committee for ENEP Programs (*ad hoc*)  
2019-20 Member, Faculty Review Committee for UAPP Doctoral Program (*ad hoc*)  
2017-19 Member, Faculty Search Committees  
2016-20 Member, Research Seminars Committee (2016-17, 2018-20: Chair)  
2012-13 Host, Mid-Atlantic Region's Policy Solutions Challenge USA 2013 Student Competition ([news](#))

Department of Geography, University of Delaware

*Previous:*

2020 External Member, Promotion & Tenure Review Committee  
2016 External Member, Faculty Search Committee

College of Arts & Sciences, University of Delaware

*Previous:*

2016-20 Senator, At Large (*elected*)  
2012-13 Coordinator, Peer Mentoring Support Group for Tenure-Track Social Science Faculty

University-wide, University of Delaware

2024 Member, Review Committee, Honors College Dean  
2023- Member, Faculty Board, Honors College  
2017- Faculty Fellow, Community Engagement Initiative  
2014- Faculty Affiliate, Graduate Program in Water Science & Policy  
2012- Faculty Affiliate, Disaster Research Center  
2011- Faculty Affiliate, Delaware Environmental Institute

*Previous:*

2022 Member, Search Advisory Committee, Dean of the Biden School  
2018-23 Member, Faculty Review Board, Community Engagement Initiative

**Professional Development**

2018 Bayesian Multilevel Models, ICPSR Summer Program in Quantitative Methods of Social Research, Berkeley, CA  
2016 Online Course: Online Teaching Strategies, Wiley Academic Engagement; Problem-Based Learning Workshop, Institute for Transforming Undergraduate Education, University of Delaware  
2013 Writing Across the Curriculum Workshop, University of Delaware  
2012 Introduction to Spatial Regression Analysis, ICPSR Summer Program in Quantitative Methods of Social Research, University of North Carolina – Chapel Hill;

Process-Oriented Guided Inquiry Learning Workshop, Center for Teaching & Assessment of Learning, University of Delaware

### **Instructional Grants**

- 2013 Integrative Curriculum Development Grant, Public Policy Analysis. Center for Science, Ethics & Public Policy, University of Delaware (\$3,000) ([news](#))
- 2012 Instructional Improvement Grant, Public Policy Analysis (with J. Justice and A. Middlebrooks). Center for Educational Effectiveness, University of Delaware (\$8,392)

### **Honors & Awards**

- 2018-23 Award, Unidel Helen Gouldner Career Development Chair for the Environment, University of Delaware (funded by the Unidel Foundation) ([news](#))
- 2018, '23 Nominee, Excellence in Undergraduate Advising, University of Delaware
- 2014-16, '23 Nominee, Excellence in Teaching Award, University of Delaware
- 2013 Nominee, Unidel Chair for the Environment, University of Delaware
- 2012 Nominee, Gerard J. Mangone Young Scholars Award, Francis Alison Society, University of Delaware
- 2005-06 Dean's Fellowship, Columbian College of Arts & Sciences, George Washington University
- 2003 Master of Public Policy Honors Graduate Award, George Washington University

## **PROFESSIONAL SERVICE**

### **Editorial and Peer-Review**

Manuscript Reviewer, *Annals of the Association of American Geographers*; *Applied Geography*; *Ecological Economics*; *Energies*; *Energy Journal (IAEE)*; *Energy Policy*; *Environment and Planning A, B*; *Environmental Policy & Governance*; *European Urban & Regional Studies (2024)*; *Housing Policy Debate*; *International Interactions*; *International Journal of Urban and Regional Research*; *Journal of the American Planning Association*; *Journal of Contemporary Water Research and Education*; *Journal of Elder Abuse & Neglect*; *Journal of Housing and the Built Environment*; *Journal of Planning Literature*; *Journal of Policy Analysis and Management*; *Journal of Public Affairs Education*; *Journal of Urban Technology*; *Natural Resources Forum*; *Policy Sciences*; *Professional Geographer*; *S.A.P.I.E.N.S.*; *Urban Affairs Review*; *Urban Climate*; *Urban Geography*; *Urban Studies*; John Wiley

- 2024- Editorial Board, *Public Administration Quarterly*
- 2022- Review Editor, *Frontiers in Environmental Science*
- 2014-15 Guest Co-Editor, Special Issue on "Building Capacity for Climate Change Adaptation in Urban Areas," *Urban Climate* vol. 14, 2015 (with S. Hughes)
- 2014 Proposal Reviewer, National Science Foundation, Geography and Spatial Sciences
- 2013-14 Reviewer (for Government Review), Intergovernmental Panel on Climate Change, Working Group III Report, Chapter 12
- 2013 Academic Partner, National Renewable Energy Laboratory, U.S. Department of Energy

**Organizational Service**

- 2024 NASPAA Annual Conference, Panel: Assuring Undergraduate Student Success in Public Affairs and Administration Education: A Focus on Student Support (accepted)
- 2023- Member, Undergraduate Committee, Network of Schools of Public Policy, Affairs, and Administration (NASPAA), prev: 2015-16
- 2023 NASPAA Annual Conference, Pittsburgh, PA (panel convener, panelist)
- 2016-23 Association for Public Policy Analysis and Management (APPAM) (institutional representative and faculty mentor)
- 2017 Romanian-U.S. Fulbright Commission, Bucharest and Cluj-Nacopa (participant)
- 2015 NASPAA Annual Conference, New York (panelist)
- 2013 NASPAA Annual Conference, Washington, DC (panelist)

**Community Service**

- 2021-22 Delaware Urban Farm and Food Coalition (DEUFFC) (member; co-chair, policy committee)