

## BEV WILSON

University of Virginia • School of Architecture • Urban + Environmental Planning • 110 Bayly Dr • Charlottesville, VA 22903 USA

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### EDUCATION

University of North Carolina at Chapel Hill, Chapel Hill, NC.

- Doctor of Philosophy, City and Regional Planning, 2009. Dissertation Title: *Scale Effects and the Determinants of Parcel Subdivision: A Discrete-Time Hazard Analysis*. Advisor: Professor Yan Song.
- Master of Regional Planning, City and Regional Planning, 2002. Master's Project Title: *A Watershed Assessment and Planning Manual*. Advisor: Professor Philip Berke.

Duke University, Durham, NC.

- Bachelor of Arts, Economics and Political Science, December 1997.

### PROFESSIONAL POSITIONS

University of Virginia, Charlottesville, VA.

- 2022-Present, Graduate Program (MUEP) Director, Department of Urban + Environmental Planning, School of Architecture, University of Virginia.
- 2022-2023, Faculty Fellow, Institute for Engagement and Negotiation (IEN), School of Architecture, University of Virginia.
- 2020-Present, Associate Professor, Department of Urban + Environmental Planning, School of Architecture, University of Virginia.

Technion IIT, Haifa, Israel

- 2018, Visiting Associate Professor, Faculty of Architecture and Town Planning, Technion IIT

University of Illinois at Urbana-Champaign, Champaign, IL.

- 2018-2020, Faculty Affiliate, Illinois Informatics Institute (I3).
- 2016-2020, Associate Professor, Department of Urban & Regional Planning, University of Illinois at Urbana-Champaign.
- 2009-2016, Assistant Professor, Department of Urban & Regional Planning, University of Illinois at Urbana-Champaign.

RTI International, Research Triangle Park, NC.

- 2007-2008, Independent Consultant.

NOAA Coastal Services Center, Charleston, SC.

- 2002-2004, Spatial Analyst, Coastal Remote Sensing Program, NOAA Coastal Services Center.

Keane, Inc., Research Triangle Park, NC.

- 1998-2000, Programmer/Analyst.

### PROFESSIONAL REGISTRATIONS

American Planning Association

- American Institute of Certified Planners (AICP), February 2013-Present.

Association of American Geographers

- Member

Urban Affairs Association

- Member

### SCHOLARLY PUBLICATIONS

Peer reviewed articles

**30. Wilson, Bev**, Chris Neale, & Jenny Roe. "Urban Green Space Access and Mental Health and

- Wellbeing Outcomes Before and During Covid-19.” *Cities*, forthcoming.  
<https://doi.org/10.1016/j.cities.2024.105173>
29. **Wilson, Bev**, Elizabeth Andrews, Tanya Denckla Cobb, & Sierra Gladfelter. “Facilitating Climate Adaptation: The Resilience Adaptation Feasibility Tool (RAFT) Framework.” *Local Development and Society*, forthcoming. <https://doi.org/10.1080/26883597.2024.2364266>
  28. Clayton, Paige, Robert Goodspeed, Jamaal Green, Allison Lassiter, William Riggs, & **Bev Wilson** [*alphabetical authorship order*]. “More Than Analytics: Five Approaches to Educating Professionals to Shape Today’s Digital Cities.” *Journal of Planning Education and Research*, forthcoming.  
<https://doi.org/10.1177/0739456X2412613>
  27. **Wilson, Bev**, Shakil Bin Kashem, & Lily Slonim. (2024). “Modeling the relationship between Urban Tree Canopy, Landscape Heterogeneity, and Land Surface Temperature: A Machine Learning Approach.” *Environment and Planning B: Urban Analytics and City Science*, 23998083241226848.  
<https://doi.org/10.1177/23998083241226848>
  26. Herbst, Robert, Teresa Culver, Lawrence Band, **Bev Wilson**, & Julianne Quinn. (2023). “Integrating Social Equity into Multiobjective Optimization of Urban Stormwater Low-Impact Development.” *Journal of Water Resources Planning and Management*, 149(8), 04023038.  
<https://doi.org/10.1061/JWRMD5.WRENG-5981>
  25. Lim, Theodore, **Bev Wilson**, Jacob Grohs, & Thomas Pingel. (2022). “Community-Engaged Heat Resilience Planning: Lessons from a Youth Smart City STEM Program.” *Landscape and Urban Planning*, 226, <https://doi.org/10.1016/j.landurbplan.2022.104497>
  24. Chen, Si, Le Zhang, Yi Huang, **Bev Wilson**, Grant Mosey, & Brian Deal. (2022). “Spatial Impacts of Multimodal Accessibility to Green Spaces on Housing Price in Cook County, Illinois.” *Urban Forestry & Urban Greening*, 67, <https://doi.org/10.1016/j.ufug.2021.127370>
  23. Li, Dongying, Galen Newman, **Bev Wilson**, Yue Zhang, & Robert D. Brown. (2021). “Modeling the Relationships Between Historical Redlining, Urban Heat, and Heat-Related Emergency Department Visits: An Examination of 11 Texas Cities.” *Environment and Planning B: Urban Analytics and City Science*, 49(3), 933-952. <https://doi.org/10.1177/23998083211039854>
  22. Li, Xijing, Xinlin Ma, & **Bev Wilson**. (2021). “Beyond Absolute Space: An Exploration of Relative and Relational Space in Shanghai Using Taxi Trajectory Data.” *Journal of Transport Geography*, 93, <https://doi.org/10.1016/j.jtrangeo.2021.103076>
  21. **Wilson, Bev**, & Cong Cong. (2021). “Beyond the Supply Side: Use and Impact of Municipal Open Data in the U.S.”. *Telematics and Informatics*, 58, <https://doi.org/10.1016/j.tele.2020.101526>
  20. **Wilson, Bev**. (2020). “Urban Heat Management and the Legacy of Redlining”. *Journal of the American Planning Association*. 86(4), 443-457. <https://doi.org/10.1080/01944363.2020.1759127>
  19. **Wilson, Bev**, & Cong Cong. (2020). “A Survey of Municipal Open Data Repositories in the U.S.”. *International Journal of E-Planning Research*, 9(4), 1-22. <https://doi.org/10.4018/IJEPR.2020100101>
  18. Petri, Aaron C., **Bev Wilson**, and Andrew Koeser. (2019). “Planning the Urban Forest: Adding Microclimate Simulation to the Planner’s Toolkit”. *Land Use Policy*, 88, <https://doi.org/10.1016/j.landusepol.2019.104117>
  17. **Wilson, Bev**, and Arnab Chakraborty. (2019). “Planning Smarter Cities: The Promise of Civic Technology,” *Journal of Urban Technology*, 26(4), 29-51.  
<https://doi.org/10.1080/10630732.2019.1631097>
  16. **Wilson, Bev**, and Arnab Chakraborty. (2019) “Mapping Vulnerability to Extreme Heat Events: Lessons from Metropolitan Chicago,” *Journal of Environmental Planning and Management*, 62(6), 1065-1088.  
<https://doi.org/10.1080/09640568.2018.1462475>
  15. **Wilson, Bev**, and Shakil B. Kashem. (2017). “Spatially Concentrated Renovation Activity and Housing Appreciation in the City of Milwaukee, Wisconsin,” *Journal of Urban Affairs*, 39(8), 1085-1102.  
<https://doi.org/10.1080/07352166.2017.1305766>
  14. Kashem, Shakil B., **Bev Wilson**, and Shannon Van Zandt. (2016). “Planning for Climate Adaptation: Evaluating the Changing Patterns of Social Vulnerability and Adaptation Challenges in Three Coastal Cities,” *Journal of Planning Education and Research*, 36(3), 304-318.

13. Greenlee, Andrew, and **Bev Wilson**. (2016). "Where Does Location Affordability Drive Residential Mobility? An Analysis of Origin and Destination Communities," *Housing Policy Debate*, 26(4-5), 583-606.
12. **Wilson, Bev**, and Mallory L. Rahe. (2016). "Rural Prosperity and Federal Expenditures, 2000-2010," *Regional Science Policy and Practice*, 8(1-2), 3-26.
11. **Wilson, Bev**, and Andrew Greenlee. (2016). "The Geography of Opportunity: An Exploratory Spatial Data Analysis of U.S. Counties," *GeoJournal*, 81(4), 625-640.
10. Chakraborty, Arnab, **Bev Wilson**, Saket Sarraf, and Arnab Jana. (2015). "Open Data for Informal Settlements: Toward A User's Guide for Urban Managers and Planners," *Journal of Urban Management*, 4(2), 74-91.
9. Chakraborty, Arnab, **Bev Wilson**, and Shakil B. Kashem. (2015). "The Pitfalls of Regional Delineations in Land Use Modeling: Implications for the Mumbai Region and Its Planners," *Cities*, 45, 91-103.
8. Kashem, Shakil B., Andi Irawan, and **Bev Wilson**. (2014). "Evaluating the Dynamic Impacts of Urban Form on Transportation and Environmental Outcomes in U.S. Cities," *International Journal of Environmental Science and Technology*, 11(8), 2233-2244.
7. **Wilson, Bev**, and Mary M. Edwards. (2014). "Annexation and Ethnicity in the American Midwest," *Urban Affairs Review*, 50(3), 417-447.
6. Berg, Kevin, and **Bev Wilson**. (2013). "A Multilevel Analysis of Private Vehicle Evacuation Clearance Times along the U.S. Gulf Coast," *Environmental Hazards*, 12(3- 4), 291-310.
5. **Wilson, Bev**, and Arnab Chakraborty. (2013). "The Environmental Impacts of Sprawl: Emergent Themes from the Past Decade of Planning Research," *Sustainability*, 5(8), 3302-3327.
4. **Wilson, Bev**. (2013). "Urban Form and Residential Electricity Consumption: Evidence from Illinois, USA," *Landscape and Urban Planning*, 115, 62-71.
3. **Wilson, Bev**. (2012). "An Examination of Electricity Consumption Patterns in Manufactured Housing Units," *Housing Policy Debate*, 22(2), 175-199.
2. **Wilson, Bev**, and Yan Song. (2011). "Do Large Residential Subdivisions Induce Further Development? A Spatially Explicit Hazard Analysis of Land Use Change in Charlotte," *Journal of the American Planning Association*, 77(1), 5-22.
1. **Wilson, Bev**, and Yan Song. (2009). "Comparing Apples with Apples: How Different Are Recent Residential Development Patterns in Portland and Charlotte?" *Journal of Urbanism*, 2(1), 51-74.

#### Book chapters

1. **Wilson, Bev**. (2018). "Data Integration and Web Mapping for Extreme Heat Event Preparedness." In B. Huang (Ed.), *Comprehensive Geographic Information Systems. Vol. 2* (pp. 281-289). Oxford, UK: Elsevier. <https://doi.org/10.1016/B978-0-12-409548-9.09647-0>

#### Technical reports and non-peer reviewed publications

7. **Wilson, Bev**, Elizabeth Andrews, Tanya Denckla Cobb, & Sierra Gladfelter. Facilitating Climate Adaptation: The Resilience Adaptation Feasibility Tool (RAFT) Framework. (2023). IEN Working Paper Series WP-23-01. Charlottesville, VA : Institute for Engagement and Negotiation. (first entry in the Institute for Engagement and Negotiation's Working Papers Series)
6. **Wilson, Bev**. (2018). "Review of *The Left Behind: Decline and Rage in Rural America*, by Robert Wuthnow (Princeton University Press, 2018)," *Community Development*, 50(1), 116-117.
5. **Wilson, Bev**. (2018). Isha Black or Isha White? Racial Identity and Spatial Development in Warren County, NC (Interface Essay). *Planning Theory & Practice* 19(2), 254-288.
4. **Wilson, Bev**. (2014). "Review of Handbook of Participatory Video, edited by E-J. Milne, Claudia Mitchell, and Naydene de Lange (Rowman & Littlefield, 2012)," *Community Development*, 45(4), 426-427.
3. Leaman, Sam, Nicholas Oberlies, **Bev Wilson**, and David Jones. (2008). "Potential for Expansion of the Plant Biotechnology Sector in Northeastern North Carolina." Report prepared for the North Carolina

- Biotechnology Center and the Northeastern North Carolina Regional Economic Development Commission. (RTI International, Research Triangle Park, NC): pp. 1-163.
2. Salvesen, David., Peter Zambito, Zoé Hamstead, and **Bev Wilson**. (2008). “Safe Schools: Identifying Environmental Threats to Children Attending Public Schools in North Carolina.” (Center for Sustainable Community Design, The University of North Carolina at Chapel Hill): pp. 1-22.
  1. Powell, Mary Beth, Philip Hervey, **Bev Wilson**, David Salvesen, and David Godschalk. (2003). “The Impacts of Growth and Sprawl in North Carolina.” Report prepared for the North Carolina Rural Economic Development Center. (Center for Urban and Regional Studies, The University of North Carolina at Chapel Hill): pp. 1-70.

#### Manuscripts under peer review

1. Grant, Allison, Pamela Grothe, Jeremy Hoffman, & **Bev Wilson**. “The Legacy of Redlining on Urban Heat in Virginia Cities,” *Virginia Journal of Science*, submitted August 2023 (awaiting decision).

#### **GRANTS**

13. Goodall, Jon, PI, Ashley Haines, Co-PI, Sharon Alston, Co-PI, Phoebe Crisman, Co-PI, & Jennifer Roe, Co-PI, **Bev Wilson, Senior Personnel**. Focused CoPe: Enhancing Resilience and Equity in Urban Coastal Communities through the Co-Generation of Community Capitals, National Science Foundation, 2023, \$5,000,000.
12. Nyelele, Charity, PI, **Bev Wilson, Co-PI**, & Teresa Culver, Co-PI. Integrating Scenario Analysis, Model Simulation, and Design Techniques to Inform the Scaling and Siting of Nature-Based Solutions to Support Multiple Ecosystem Services, Environmental Institute, 2023, \$200,000.
11. Stout, Wendy, PI, & **Bev Wilson, Co-PI**. A Collaborative Investigation of Augmented Reality Using vGIS to Solve Coastal Resilience Challenges Caused by Sea Level Rise in Coastal Zone of Virginia, 4-VA, 2023, \$25,000.
10. Shobe, William, PI, Majid Shafiee-Jood, Co-PI, & **Bev Wilson, Co-PI**. Capacity Building for Flood Resilience in Southwest and Southern Virginia, Virginia Department of Conservation & Recreation, 2021, \$300,000.
9. Culver, Teresa, PI, Lawrence Band, Co-PI, & **Bev Wilson, Co-PI**. Centering Equity and Resilience in Urban Stream and Watershed Restoration, 3Cavaliers Competition, University of Virginia, 2021, \$60,000.
8. **Wilson, Bev, PI**, Sally Pusede, Christopher Neale, & Jenny Roe. COVID-19 Related Changes in Mobility, Air Pollution and Human Behavior, Environmental Resilience Institute, 2020, \$15,000.
7. **Wilson, Bev, PI**. Beyond the Supply Side: Availability, Use, and Impact of Municipal Open Data in the U.S., UIUC Campus Research Board, 2019, \$6,790.
6. **Wilson, Bev, PI** & Arnab Chakraborty, Co-PI. Open Heat Vulnerability Mapper, Lincoln Institute of Land Policy, 2015-2017, \$45,000.
5. **Wilson, Bev, PI** & Shakil Bin Kashem, Co-PI. Developing CyberGIS Pedagogy for Urban Planning Practice and Research, CyberGIS Center for Advanced Digital and Spatial Studies Fellow, University of Illinois at Urbana-Champaign, 2014-2015, \$4,000.
4. Chakraborty, Arnab, PI & **Bev Wilson, Co-PI**. Scenario Analysis and Land Use Modeling for Mumbai, India, College of Fine and Applied Arts Creative Research Award, University of Illinois at Urbana-Champaign, 2014-pres, \$8,185.
3. **Wilson, Bev, PI** & Arnab Chakraborty, Co-PI. Developing a Land Cover Algorithm for the Identification of Informal Settlements: A Pilot Study of Kolkata, India and Dhaka, Bangladesh, College of Fine and Applied Arts Creative Research Award, University of Illinois at Urbana-Champaign, 2013-pres, \$6,580.
2. **Wilson, Bev, PI**. Defining and Measuring Rural Livability: Implications for Federal Investment, Campus Research Board, University of Illinois at Urbana-Champaign, 2012-2013, \$17,162.

1. **Wilson, Bev, PI.** Site Design and Residential Energy Consumption: Evidence from across Illinois, Campus Research Board, University of Illinois at Urbana-Champaign, 2010-2011, \$10,965.

### Grants pending

1. Shafiee-Jood, Majid, PI, **Wilson, Bev, Co-PI**, et al. Enhancing Disaster Response and Community Resilience in Flood- Prone Rural Communities in Central Appalachia. Department of Commerce, National Science Foundation, Confronting Hazards, Impacts, and Risks for a Resilient Planet (CHIRRP), 2024-2026, \$300,000.

### **AWARDS AND HONORS**

9. 2023, Outstanding Researcher Award, University of Virginia.
8. 2022, Outstanding Faculty Award, Virginia Chapter of the American Planning Association.
7. 2019, List of Teachers Ranked as Excellent by their Students, University of Illinois at Urbana-Champaign, Champaign, IL. Course: Urban History and Theory.
6. 2017, List of Teachers Ranked as Excellent by their Students, University of Illinois at Urbana-Champaign, Champaign, IL. Course: Chicago: Planning and Urban Life.
5. 2016, List of Teachers Ranked as Excellent by their Students, University of Illinois at Urbana-Champaign, Champaign, IL. Course: Urban History and Theory.
4. 2016, List of Teachers Ranked as Excellent by their Students, University of Illinois at Urbana-Champaign, Champaign, IL. Course: Advanced Applications of GIS.
3. 2009, List of Teachers Ranked as Excellent by their Students, University of Illinois at Urbana-Champaign, Champaign, IL. Course: Urban History and Theory.
2. 2004-2009, Joseph E. Pogue Fellowship, University of North Carolina at Chapel Hill, Chapel Hill, NC.
1. 2002, AICP Outstanding Planning Student Award, American Planning Association, Washington, DC.

### **SERVICE**

#### University, school, and departmental service

- 2022-Present, Member, Open Scholarship Working Group, University of Virginia
- 2020-2021, Member, Diversity, Equity & Inclusion Outreach Task Force, UVA School of Architecture.
- 2020-2021, Member, BUEP Curriculum Revision Committee, (Departmental).
- 2019-2020, Faculty Mentor, Illinois School of Architecture.
- 2019, Chair, GIS Lecturer Search Committee (Departmental).
- 2019, Member, Student Awards Committee (Departmental).
- 2018-2019, Leader, Civic Technology and Urban Data Science Task Force (Departmental).
- 2018-2019, Academic Representative, Illinois Center for Transportation, Planning Technical Advisory Group.
- 2018, Member, Institute for Sustainability, Energy, and Environment (iSEE) Congress Organizing Committee.
- 2018, Champaign County Climate Resilience Task Force member, Institute for Sustainability, Energy, and Environment (iSEE).
- 2018, Member, Departmental Website Committee.
- 2018, Member, Departmental Student Learning Outcomes Assessment Committee.
- 2017-2019, Member, FAA Research Awards Committee.
- 2014, Member, Community and Economic Development Specialist Search Committee, University of Illinois Extension.
- 2014, Member, FAA-IT Deployment Specialist Search Committee.



- 2013, Member, Faculty Search Committee.
- 2013, Referee, UIUC Campus Research Board.
- 2012-2013, Member, Departmental Executive Advisory Committee.
- 2012, Faculty Advisor, Illinois Early Childhood Asset Map (IECAM).
- 2011-present, Member, Online Courses Committee.
- 2011-2013, Member, Lorado Taft Lectureship on Art Committee.
- 2011, Member, Department Head Search Committee.
- 2011, Member, Faculty Search Committee.
- 2010-2012, Faculty Mentor, Illinois Promise Program.
- 2010-present, Member, Ph.D. Program and Admissions Committee.
- 2009, Member, Bachelor's Curriculum Committee.

### Editorial service

Editorial Advisory Board Member: *Journal of the American Planning Association* (2021-Present)

Manuscript Referee for Peer-Reviewed Journals: *Cities, Cityscape, Energy, Energy Policy, Environment and Planning B, The Geographical Journal, Geographical Analysis, Global Environmental Change, Government Information Quarterly, Housing Policy Debate, Journal of Environmental Planning and Management, Journal of Planning Education and Research, Journal of Planning Literature, Journal of Urban Management, Land Use Policy, Landscape and Urban Planning, Local Development and Society, Natural Hazards Review, Planning Theory and Practice, PLoS Water, Remote Sensing Letters, Sustainable Cities and Society, Telematics and Informatics, Urban Affairs Review, Urban Climate, Urban Studies*

### Other professional service

- 2023-Present, Site Visitor, Planning Accreditation Board.
- 2023-2025, Doctoral Committee, Association of Collegiate Schools of Planning.
- 2022, Moderator for Annual Conference, Association of Collegiate Schools of Planning.
- 2022, Moderator for Annual Conference, Urban Affairs Association.
- 2021, Moderator for Annual Conference, Association of Collegiate Schools of Planning.
- 2019-Present, External Promotion Reviewer (Seven Tenure Cases).
- 2019-2021, Track Chair (Land Use Policy & Governance), Association of Collegiate Schools of Planning Annual Conference.
- 2019, US-Israel Binational Science Foundation, Proposal Reviewer.
- 2018, Mentor (US Ignite team), HackIllinois (hack-a-thon), February 23-25.
- 2018, Moderator for Annual Conference, Association of American Geographers.
- 2018-2020, Vice-Chair (elected), Technology Division, American Planning Association.
- 2017, Proposal Reviewer for American Planning Association National Conference.
- 2017, Organizing Committee member for Second International Conference on Smart Data and Smart Cities, Urban Data Management Society & ISPRS, Puebla, Mexico.
- 2017, Proposal Reviewer, National Conference, American Planning Association.
- 2017, Organizing Committee Member, International Conference on Smart Data and Smart Cities, Urban Data Management Society.
- 2016, Moderator for Annual Conference, Urban Affairs Association.
- 2014, Moderator for Annual Conference, Association of Collegiate Schools of Planning.
- 2014, Moderator for Annual Conference, Urban Affairs Association.
- 2013, Session Chair for Annual Conference, North American Regional Science Council.

- 2010, Referee for Annual Conference Paper, Transportation Research Board.

**STUDENT ADVISING**PhD in Regional Planning

- Katherine Nesse, “How Do We Know? Determining School District Fiscal and Administrative Policy in Rural Hispanic Boomtowns in the Midwest,” Department of Urban and Regional Planning, University of Illinois at Urbana-Champaign, 2012. Now Senior Planner at City of Bellevue, WA.
- Dustin Allred, “Examining the Effectiveness of Voluntary Coordination Among Local Governments: Evidence from a Regional Land Use Planning Process,” Department of Urban and Regional Planning, University of Illinois at Urbana-Champaign, 2013. Now Lecturer at Department of Urban and Regional Planning, Champaign, IL.
- Shakil Bin Kashem, “Moving Towards Disaster: Examining the Changing Patterns of Social Vulnerability in a Multi-hazard Urban Environment,” Department of Urban and Regional Planning, University of Illinois at Urbana-Champaign, 2015. Now Assistant Professor at Kansas State University, Manhattan, KS. (**Chair of Committee**)
- Sungwon Lee, “The Influence of Urban Form and Fuel Price on GHG Emissions in the U.S. Household Sector,” Department of Urban and Regional Planning, University of Illinois at Urbana-Champaign, 2015. Now Assistant Professor at Gangneung-Wonju National University, Gangwon-do, South Korea.
- Stephanie Timm, “Comparative Planning in Practice: Identifying the Cultural and Behavioral Barriers to Learning from International Sustainability Solutions,” Department of Urban and Regional Planning, University of Illinois at Urbana-Champaign, 2016. Now Senior Manager at LinkedIn, Washington, DC.
- Andrew McMillan, “After the Foreclosure Crisis: Measuring Neighborhood Recovery and Contributing Factors,” Department of Urban and Regional Planning, University of Illinois at Urbana-Champaign, 2018.
- Aaron Petri, “Planning the Urban Forest to Enhance Urban Resilience,” Department of Urban and Regional Planning, University of Illinois at Urbana-Champaign, 2019. Now Researcher at Construction Engineering Research Laboratory, U.S. Army Corps of Engineers, Champaign, IL. (**Chair of Committee**)
- James Allen, Department of Urban and Regional Planning, University of Illinois at Urbana-Champaign, *dissertation stage*.
- Cong Cong, Department of Urban and Regional Planning, University of Illinois at Urbana-Champaign, 2022.

PhD in Urban and Regional Planning

- Jessica Faye Page, “Sustainable Urban and Regional Development and Related Ecosystem Services and Water-Climate Interactions,” Department of Physical Geography, Stockholm University, *successfully defended May 2023* (**Served as Opponent**)

PhD in Landscape Architecture

- Le Zhang, “Ecological Design and Smart Landscapes: Boosting the Connection Between Scientific Findings and Design Approaches with Smart Technologies,” Department of Landscape Architecture, University of Illinois at Urbana-Champaign, 2022.

PhD in Informatics

- Si Chen, “Urban Informatics: Systems Science and Machine Learning in Spatiotemporal Analysis,” Department of Informatics, University of Illinois at Urbana-Champaign, 2022.

PhD in Constructed Environment

- Luka Hamel-Serenity, Department of Urban and Environmental Planning, University of Virginia, *dissertation proposal stage*.

PhD in Engineering Systems and Environment

- Seth Herbst, Department of Engineering Systems and Environment, University of Virginia, 2023.
- Luwei Zeng, Department of Engineering Systems and Environment, University of Virginia, 2023.

Master of Urban and Environmental Planning (Thesis)

- Jenni Rogan, “From Consulting to Communities: Understanding and Addressing the Limitations to Rural Climate Adaptation in North Carolina,” University of Virginia, 2023 (**Chair of Committee**).
- Brian Van, “Resilient Geographies: An Atlas of Cultural Ecosystem Services in the Land of Spirit Waters,” University of Virginia, 2024. (**Chair of Committee**)

Master of Urban Planning (Thesis)

- Janel Gomez, “Vertical Inequities in Property Taxation: A Spatial Analysis of California’s Proposition 13,” University of Illinois at Urbana-Champaign, 2011. Now Community Development Specialist at City of Champaign, Champaign, IL. (**Chair of Committee**)
- Jasmine Thomas, “Floodplain Property Acquisition Programs: A Win-Lose Situation,” University of Illinois at Urbana-Champaign, 2019 (**Chair of Committee**)

Master of Urban Planning (Capstone)

- Rachel Siegert, “Village of Rochester Comprehensive Plan,” University of Illinois at Urbana-Champaign, 2010. Now Real Estate Agent at Ameren, St. Louis, MO.
- Brie Sherow, “Surfbreak Identification and Mapping in New Zealand,” University of Illinois at Urbana-Champaign, 2011. Now Projects Manager at Life in Vacant Spaces, Christchurch, New Zealand.
- Aaron Bond, “Bedford Connections Project,” University of Illinois at Urbana-Champaign, 2014. Now City Planner I at Baltimore City Planning Department, Baltimore, MD.
- Bernardo Salazar, “Online Community Survey Tool,” University of Illinois at Urbana-Champaign, 2015. Now Research Analyst at [bc], Dallas, TX.
- Kristina Tranel, “Sustainable Energy Planning for a Changing Climate in the Southwestern United States: A Fort Bliss Case Study,” University of Illinois at Urbana-Champaign, 2015. Now Long Range and Transportation Planner at Pinellas Suncoast Transit Authority, Tampa, FL.
- Elizabeth Bastian, “Build Better, Build Open: A Case Study of Civic Technology in Greater Chicago, IL,” University of Illinois at Urbana-Champaign, 2016. Now Community Planner at Construction Engineering Research Laboratory, Champaign, IL.
- Ketong Xie, “Watts Beyond Water: Sustainable Water Infrastructure Plan for Mahomet, IL,” University of Illinois at Urbana-Champaign, 2017. Now graduate student in Civil Engineering, Champaign, IL.



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- Yuyan Huang, “Open Data Portal for Champaign Racial and Criminal Justice: Towards Greater Transparency in Policy Making,” University of Illinois at Urbana-Champaign, 2017. Now graduate student in Computer Science, Champaign, IL.
- Sarah Buchhorn, “Rainwater Harvesting in Champaign-Urbana,” University of Illinois at Urbana-Champaign, 2018. Now Assistant Analyst at Chicago Metropolitan Agency for Planning.
- Tony Heath, “Enhancing Resilience and Justice in the Management of Coal Ash Impoundments in Illinois,” University of Illinois at Urbana-Champaign, 2019. Now Civil Engineer at Fishbeck, Thompson, Carr & Huber, Inc.
- David Su, “A GIS Tool for Estimating Solar Energy Generation Potential in Illinois,” University of Illinois at Urbana-Champaign, 2019. Now Project Manager at Green Building Consulting.

### Master of Landscape Architecture

- Shawn Sanes, “Giving New Meaning to “Mound City”: Landfills as a Historical Narrative of St. Louis, Missouri,” University of Illinois at Urbana-Champaign, 2013.

### Master of Geography

- Kevin Berg, “The Social Determinants of Evacuation Time along the Gulf Coast of the United States: A Multilevel Analysis,” University of Illinois at Urbana-Champaign, 2013. Now Statistical Analyst at State of Colorado, Denver, CO.

## TEACHING EXPERIENCE

### University of Virginia

- Digital Technology for Planning and Design–GIS (PLAN 6120)
- Climate Adaptation Planning in Virginia (PLAC 5863)
- Urban Analytics (PLAN 6122)
- Planning Practicum (PLAN 6090; 1 time)
- Civic Technology Principles and Practice (PLAN 5616)
- U.S. State Department Site Analysis Workshop (PLAN 5500; 1 time) [<https://diplomacylab.org>]

### University of Illinois at Urbana-Champaign

- Urban History and Theory (UP 504; 9 times)
- Advanced Applications of GIS (UP 519; 5 times)
- Chicago: Planning and Urban Life (UP 204; 9 times)
- Small Town and Rural Planning Workshop (UP 494 and UP 457, 4 times)
- Civic Technology and the Digital City (UP 494, 2 times)
- Technology and the Megacity with Arnab Chakraborty (UP 594, 1 time)
- GIS for Planners-Summer Online Version (UP 418, 1 time)

### University of North Carolina at Chapel Hill

- Applied Spatial Regression Analysis (Graduate Sociology course teaching assistant), Spring 2009
- Introduction to Spatial Statistics and Spatial Regression (Odum Institute short course instructor), Fall 2007, Spring and Fall 2008
- Urban Spatial Structure (Masters core course co-instructor), Fall 2007
- Land Use Modeling (Masters elective course co-instructor), Fall 2006

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- Urban Spatial Structure (Masters core course teaching assistant), Fall 2006
- Exploring Spatial Statistics and Autocorrelation with ArcGIS (Odum Institute short course instructor), Spring 2006
- Development Impact Assessment (Masters course teaching assistant), Spring 2001

### SOFTWARE PROFICIENCY

Apache, ArcGIS Suite, Bash, Canva, Dreamweaver, GeoDa, GitHub, HTML5 (basic), Microsoft Office Suite, MySQL, Open Data Kit, OpenStack, Python (basic), QGIS, Qualtrics, R, shiny, Stata, WordPress

### PROFESSIONAL PRESENTATIONS, CONFERENCES, WORKSHOPS

- Wilson, Bev, “Predicting Groundwater Contamination to Guide Testing and Mitigation in a Data Scarce, Rural Environment,” Association of Collegiate Schools of Planning, Chicago, IL, (October 20, 2023).
- Wilson, Bev. “Virtual Reality Visualization of Sea Level Rise in Virginia’s Coastal Zone,” APA Virginia Annual Conference, Roanoke, VA, (July 17, 2023).
- Wilson, Bev. “Modeling the Effects of Tree Canopy and Water Body Composition and Configuration on Land Surface Temperature: A Machine Learning Approach,” Association of Collegiate Schools of Planning, Toronto, (November 3, 2022).
- Wilson, Bev (panelist). “Planning for Digitally-Enabled Cities and Infrastructures,” Association of Collegiate Schools of Planning, Toronto, (November 5, 2022).
- Wilson, Bev. “Access to Green Space and Mental Wellbeing Before and During COVID-19,” Urban Affairs Association Annual Conference, Urban Affairs Association, Washington, DC (April 13, 2022).
- Wilson, Bev. “Beyond the Supply Side: Availability, Use, and Impact of Municipal Open Data in the U.S.,” Association of Collegiate Schools of Planning, Virtual Conference (November 7, 2020).
- Wilson, Bev. “Environmental Inequality and Exposure to Heat in U.S. Cities: A Comparative Analysis,” Association of Collegiate Schools of Planning, Greenville, SC (October 26, 2019).
- Wilson, Bev. “The Structure of Civic Technologies and their Impacts on Quality of Life and Social Equity,” NSF Sustainable Urban Systems Conference, Austin, TX (August 22, 2019).
- Wilson, Bev. “Beyond the Supply Side: Availability, Use, and Impact of Municipal Open Data in the U.S.,” Association of American Geographers Annual Meeting, Association of American Geographers, Washington, DC (April 6, 2019).
- Wilson, Bev. “Leveraging Open Data to Design Smarter and More Responsive Cities in the U.S.,” Are We Moving towards Smart, Inclusive and Sustainable Cities? Symposium at Ohio State University, Columbus, OH (March 28, 2019).
- Wilson, Bev. “Vulnerability to Heat Waves in U.S. Cities: Historical Trends and Data-Driven Mitigation Planning,” Faculty of Architecture and Town Planning, Technion IIT, Haifa, Israel (November 26, 2018).
- Wilson, Bev. “The Architecture of Engagement: Leveraging Open Data to Design Smarter and More Responsive Cities in the U.S.,” Research Center for Cities and Urbanism, Tel Aviv University, Tel Aviv, Israel (November 21, 2018).
- Wilson, Bev. “Smart Cities, Open Data, and Civic Technology: What’s The Connection?,” Faculty of Architecture and Town Planning, Technion IIT, Haifa, Israel (November 6, 2018).
- Wilson, Bev, and Cong. “Urban Mobility According to Google,” Association of American Geographers Annual Meeting, Association of American Geographers, New Orleans, LA (April 11 2018).
- Wilson, Bev, and Arnab Chakraborty. “Mapping and Managing Extreme Heat Events,” UILABS, Chicago, IL (November 15 2017).
- Wilson, Bev. “[Chicago Heat Vulnerability Mapper](#),” American Planning Association National Conference, New York, NY (May 8 2017).

- Wilson, Bev. “Open Heat Vulnerability Mapper,” Coastal GeoTools Conference, Charleston, SC (February 8 2017).
- Wilson, Bev. “Using Real Time Traffic Data and Satellite Imagery to Understand the Relationship Between Land Use and Congestion: A Framework for Indian Cities,” Transportation Planning and Implementation Methodologies for Developing Countries (TPMDC) Conference, Mumbai, India (December 19 2016).
- Wilson, Bev. “Open Heat Vulnerability Mapper,” Scenario Planning Applications Network (SPAN) Symposium, Champaign, IL (November 14 2016).
- Wilson, Bev. “Open Heat Vulnerability Mapper: Data Integration, Visualization, and Scenario Analysis,” Association of Collegiate Schools of Planning Annual Conference, Association of Collegiate Schools of Planning, Portland, OR (November 5 2016).
- Wilson, Bev (panelist). “Smart Cities and Plan Making for the Public Interest,” Association of Collegiate Schools of Planning Annual Conference, Association of Collegiate Schools of Planning, Portland, OR (November 3 2016).
- Wilson, Bev. “Rural Prosperity and Federal Expenditures, 2000–2010,” Regional Economics Applications Laboratory (REAL), Champaign, IL (September 13 2016).
- Wilson, Bev. “Open Heat Vulnerability Mapper,” Scenario Planning Applications Network (SPAN), Champaign, IL (July 26 2016).
- Wilson, Bev and Arnab Chakraborty. “Technology and the Megacity: Leveraging Scenario Analysis, Open Data, and Modeling Tools for Urban Planning,” U.S. Army Corps of Engineers Construction Engineering Research Laboratory (CERL), Champaign, IL (April 7 2016).
- Wilson, Bev, Arnab Chakraborty, and Elizabeth Bastian. “Open Heat Vulnerability Mapper: Exploring the Intersection of Vulnerability and Exposure to Extreme Heat Events,” Urban Affairs Association Annual Conference, Urban Affairs Association, San Diego, CA (March 17 2016).
- Wilson, Bev, and Shakil B. Kashem. “CyberGIS as a Planning Support System: A Review of Present Practices and Future Prospects,” Association of American Geographers Annual Meeting, Association of American Geographers, Chicago, IL (April 21 2015).
- Wilson, Bev (**organizer**). “Simulating the Microclimate and Energy Use Impacts of Vegetation: Implications for Planning and Design,” Association of Collegiate Schools of Planning Annual Conference, Association of Collegiate Schools of Planning, Philadelphia, PA (October 30 2014).
- Wilson, Bev (**organizer**). “How Can Urban Planning Better Engage with Energy?,” Association of Collegiate Schools of Planning Annual Conference, Association of Collegiate Schools of Planning, Philadelphia, PA (October 30 2014).
- Wilson, Bev. “After the Fall: The Impacts and Meaning of Deindustrialization in Hoopston, IL,” Urban Affairs Association Annual Conference, Urban Affairs Association, San Antonio, TX (March 20 2014).
- Edwards, Mary M., and Bev Wilson. “Annexation, Contested Local Environments and Minority Voting Power,” Urban Affairs Association Annual Conference, Urban Affairs Association, San Antonio, TX (March 20 2014).
- Wilson, Bev. “Measuring Rural Livability: Implications for Federal Investment,” North American Meetings of the Regional Science Association International, North American Regional Science Council, Atlanta, GA (November 14 2013).
- Wilson, Bev. “Piloting the Community Voice Method in Hoopston, IL,” University of Illinois Extension State Conference, Champaign, IL (November 2013).
- Wilson, Bev, and Andrew Greenlee. “Outmigration and the Geography of Non-metropolitan Opportunity,” Association of American Geographers Annual Meeting, Association of American Geographers, Los Angeles, CA (April 10 2013).
- Wilson, Bev. “Rural Planning in a New Century (Intersection Roundtable),” Association of Collegiate Schools of Planning Annual Conference, Association of Collegiate Schools of Planning, Cincinnati, OH (November 1 2012).

- Wilson, Bev. “Defining and Measuring Rural Livability: Implications for Federal Investment,” Association of Collegiate Schools of Planning Annual Conference, Association of Collegiate Schools of Planning, Cincinnati, OH (November 1 2012).
- Wilson, Bev. “The Effect of Price and Environmental Attitudes on Conservation Behavior and Residential Electricity Consumption,” Comparative Urban Sustainability Symposium, KTH University, Stockholm, Sweden (October 3 2012).
- Wilson, Bev. “Analyzing the Depth and Spatial Concentration of Disinvestment for Insight into Gentrification Patterns and Processes,” Urban Affairs Association Annual Conference, Urban Affairs Association, Pittsburgh, PA (April 20 2012).
- Wilson, Bev. “Site Design and Residential Electricity Consumption: Evidence from across Illinois,” Association of Collegiate Schools of Planning Annual Conference, Association of Collegiate Schools of Planning, Minneapolis, MN (October 10 2010).
- Wilson, Bev, and Yan Song. “Do Large Residential Subdivisions Induce further Development? A Spatially Explicit Hazard Analysis of Land Use Change,” Association of Collegiate Schools of Planning Annual Conference, Association of Collegiate Schools of Planning, Crystal City, VA (October 2 2009).

**MEDIA**

- Suárez, Jesús, Melena Rodriguez, Emily, Stevenson, et al. “[Climate Change is Exacerbating Racial Inequities. Boston is Trying to Change That.](#)” *Boston Globe*, (July 27, 2023). [sat for interview and quoted]
- Plumer, Brad and Nadja Popovich. “[How Decades of Racist Housing Policy Left Neighborhoods Sweltering.](#)” *New York Times*, (August 24 2020). [sat for interview and my research is referenced]
- Wilson, Bev. “[People Behind the Plans](#)” Podcast, American Planning Association (September 25 2017).