

YUSHIM KIM

Associate Professor • School of Public Affairs • Arizona State University
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ACADEMIC POSITIONS

Associate Professor, School of Public Affairs, Arizona State University, 2013-Present
Associate Director, Center on Technology, Data, and Society, Arizona State University, 2019-2023
Core Faculty, Center on Technology, Data, and Society, Arizona State University, 2019-2022
Faculty Honors Advisor, Barrett Honors College, Arizona State University, 2019-2022
Director, Undergraduate Programs, School of Public Affairs, Arizona State University, 2018-2020
Core Faculty, Center for Social Dynamics and Complexity, Arizona State University, 2017-Present
Honors Faculty, Barrett Honors College, Arizona State University, 2016-2017
Visiting Professor, Department of Political Science, Otto-Friedrich-Universität, Bamberg, Germany, 2015-2016
Visiting Professor, Graduate School of Public Administration, Seoul National University, Seoul, Korea, Fall 2015
Visiting Lecturer, Department of Public Administration, Erasmus University-Rotterdam, Rotterdam, Netherlands, Spring 2014
Graduate Faculty, Complex Adaptive Systems Science, Arizona State University, 2013-Present
Director, MPA/MPP Programs, School of Public Affairs, Arizona State University, 2012-2013
Senior Global Futures Scholar, Julie Ann Wrigley Global Futures Laboratory, Arizona State University, 2010-Present
Founding Faculty, Center for Policy Informatics, Arizona State University, 2008-2013
Affiliated Faculty, Decision Theater, Arizona State University, 2007-2010
Assistant Professor, School of Public Affairs, Arizona State University, 2007-2013
Postdoctoral Researcher, John Glenn School of Public Affairs, Ohio State University, 2007
Graduate Research Associate, John Glenn School of Public Affairs, Ohio State University, 2006
Graduate Research Associate, Department of Computer Science and Engineering, Ohio State University, 2005

EDUCATION

Ph.D., Public Policy & Management, John Glenn School of Public Affairs, Ohio State University, 2006
M.P.A., Graduate School of Public Administration, Seoul National University, South Korea, 1997
B.P.A., Department of Public Administration, Daejon University, South Korea, 1994

AWARDS AND HONORS

Public Service Educator of the Year Award, Watts College, Arizona State University, 2024
William Petak Award, Section on Emergency and Crisis Management, American Society for Public Administration, 2020

Distinguished Service Award, School of Public Affairs, Arizona State University, 2019

Distinguished Diversity and Inclusion Award, School of Public Affairs, Arizona State University, 2018

Team Leadership Academy IV, Metropolitan Informatics, Arizona State University, 2018

Distinguished Service Award, School of Public Affairs, Arizona State University, 2013

Health Policy Researcher of the Year, Health Policy Institute of Ohio, Columbus, OH, 2009

Anne Larason Schneider Faculty Endowment for Community Research Awards (\$2,000), Arizona State University, Phoenix, AZ, 2007

Robert W. Backoff Research Award (\$1,000), John Glenn School of Public Affairs, Ohio State University, Columbus, OH, June 9, 2007

EDITOR EXPERIENCE

Co-editor (Environmental Policy), *Journal of Policy Analysis and Management*, 2018-2022

Co-guest Editor, *Government Information Quarterly*, Internet Plus Government (with M. Liu), 2017

Co-guest Editor, *Information Polity*, Internet, Citizens, and Public Policy (with M. Liu), 2017

Co-guest Editor, *Government Information Quarterly*, Digital Government and Wicked Problems (with J. Zhang), 2016

Co-guest Editor, *Information Polity*, Digital Government and Wicked Problems (with J. Zhang), 2016

Co-guest Editor, *Journal of Policy Analysis and Management*, Policy Informatics (with A. Desai), 2015

Co-guest Editor, *The Innovation Journal*, Policy Informatics (with E. Johnston), 2011

PUBLICATIONS (* underlined name indicates student)

||| Books |||

1. **Kim, Y.**, Mossberger, K., Oh, S.S., & Cha, J.H. (Ed.). (Contract). *Data Analytics and Computational Modeling for Public Policy*. World Scientific Publishing. (by May 2024)
2. Campbell, H., Eckerd, A., & **Kim, Y.** (Submitted in January 2024). *Green Gentrification and Environmental Justice: A Complexity Approach*. Springer.
3. Campbell, H., **Kim, Y.**, & Eckerd, A. (2015). *Rethinking Environmental Justice in Sustainable Cities: Insights from Agent-Based Modeling*. New York, NY: Routledge.
 - Nominated for the 2017 Best Book in Urban Affairs Book
 - Reviewed by S. Verweij (2016). *Review of Policy Research*, 33(2), 226-228.
 - Reviewed by I. Hwang (2016). *Journal of Artificial Societies and Social Simulation*, 19(2).

||| Peer Reviewed Articles |||

Working Papers

1. Stulmacher, M., & **Kim, Y.** The unequal connectivity of parks and tree canopy in 10 US cities. *Urban Greening and Urban Forestry* (R&R from March 2024)

2. Nelson, J., Won, Y., J. Kim, Stuhlmacher, M., & **Kim, Y.** Is the grass greener or the water bluer? Exploring drivers of local park visitation patterns in Phoenix, Arizona, *Urban Greening and Urban Forestry* (R&R in February 2024)
3. Kim, J., Kim, Y., Corley, E., & Won, Y. Local green space use and nonuse by potential local users in Arizona desert cities. *Landscape and Urban Planning*
4. Won, Y., Kim, J., Kim, Y., & Corley, E. Better Access, More Use?: Can More Neighborhood Green Spaces Reduce Its Use by Urban Residents? *Urban Studies*
5. **Kim, Y.**, Chun, Y., & Won, Y. Neighborhood characteristics of green space used more frequently during COVID19
6. Did COVID-19 aggravate environmental injustice in Phoenix neighborhoods?
7. **Kim, Y.**, Wang, C., Bienenstock, E., & Mossberger, K. A network approach to U.S. State COVID-19 policy mixes
8. **Kim, Y.**, & Eckerd, A. Computational Approach to Think Ahead. *New Directions for Evaluation*.

Peer Reviewed Articles

1. Kim, J., Kim, Y., & Stuhlmacher, M. (2024). The greenspace dilemma: Pathways to greening with and without gentrification. *Journal of Urban Affairs*.
2. Wang, C., Kim, Y., & Mossberger, K. (2023). Governor political affiliation and stringent COVID-19 policy. *Public Administration Review*.
3. **Kim, Y.**, Corley, E.A., Won, Y., & Kim, J. (2023). Green space access and visitation disparities in the Phoenix metropolitan area. *Landscape and Urban Planning*.
4. Stuhlmacher, M., **Kim, Y.**, & Kim, J. (2022). The role of green space in Chicago's gentrification. *Urban Forestry & Urban Greening*, 77, 1275-69.
5. Stuhlmacher, M., Georgescu, M., Turner II, B.L., Hu, Y., Goldblatt, R., Gupta, S., Frazier, A., **Kim, Y.**, Balling, R.C., & Clinton, N. (2022). Are global cities homogenizing? An assessment of urban form and heat island implications. *Cities*, 126, 103705.
6. **Kim, Y.**, Lee, K.B., Oh, S.S., & Park, H.J. (2021). Effectiveness of emergent ad-hoc coordination groups in public health emergencies. *Risk Analysis*, 42(1), 5-20.
7. Stuhlmacher, M., Turner II, B.L., Frazier, A., **Kim, Y.**, & Leffel, J. (2021). Institutional shifts and landscape change: The impact of the Período Especial on Cuba's land system architecture. *Journal of Land Use Science*, 15(5), 690-706.
8. Campbell, H., Eckerd, A., & **Kim, Y.** (2021). Administration of community participation in small scale projects: Brownfield remediation in Los Angeles. *Administration & Society*, 53(3), 378-409.
9. Ahn, J.J., **Kim, Y.**, Lucio, J., Corley, E., & Bentley, M. (2020). Green spaces and heterogeneous social groups in the U.S. *Urban Forestry & Urban Greening*, 49, 1266-37.
10. **Kim, Y.**, Oh, S.S., & Wang, C. (2020). From uncoordinated patchworks to a coordinated system: MERS-CoV to COVID-19 in Korea. *American Review of Public Administration*, 50(6-7), 736-742.
11. **Kim, Y.**, Oh, S.S., Ku, M., & Byeon, J.H. (2020). Interorganizational coordination and collaboration during the 2015 MERS-CoV response in Korea, *Disaster Medicine and Public Health Preparedness*, 15(4), 409-415.

12. **Kim, Y., Kim, J.H.,** Oh, S.S., Kim, S-W, Ku, M., & Cha, J. (2019). Community analysis of a crisis response network. *Social Science Computer Review*, 33(3), 371-390.
13. **Kim, Y.,** Ku, M., & Oh, S.S. (2019). Public health emergency response coordination: Putting the plan into practice. *Journal of Risk Research*, 23(7-8), 928-944.
14. **Kim, Y., & Chun, Y.** (2019). Revisiting environmental inequity in Southern California: Does environmental risk increase in ethnically homogeneous or mixed Communities? *Urban Studies*, 56(9), 1748-1767.
 * Invited as a blog article in the *London School of Economics US Politics and Policy* on May 3, 2019:
<http://bit.ly/2VBT8xP>
15. **Kim, Y., & Maroulis, S.** (2018). Rethinking social welfare fraud from a complex adaptive systems perspective. *Administration & Society*, 50(1), 78-100.
16. Eckerd, A., **Kim, Y., & Campbell, H.** (2018). Gentrification and displacement: Modeling a complex urban process. *Housing Policy Debate*, 29(2), 273-295.
17. Corley, E.A., Ahn, J.J., **Kim, Y.,** Lucio, J., Rugland, E., & Molina, A. (2018). Conceptualizing lenses, dimensions, constructs and indicators for urban park quality. *Environmental Justice*, 11(6).
18. Eckerd, A., **Kim, Y., & Campbell, H.** (2017). Community privilege and environmental justice: An agent-based analysis. *Review of Policy Research*, 34(2), 144-167.
19. **Kim, Y., & Verweij, S.** (2016). Two effective causal paths that explain the adoption of US state environmental justice policies. *Policy Sciences*, 49(4), 505-523.
20. **Kim, Y.,** Zhong, W., Jehn, M., & Walsh, L. (2015). Public risk perceptions and preventive behaviors during the 2009 H1N1 influenza pandemic. *Disaster Medicine and Public Health Preparedness*, 9(2), 145-154.
21. **Kim, Y.,** Campbell, H., & Eckerd, A. (2014). Residential choice constraints and environmental justice. *Social Science Quarterly*, 95(1), 40-56.
22. Campbell, H., **Kim, Y., & Eckerd, A.** (2014). Local zoning and environmental justice: An agent-based analysis. *Urban Affairs Review*, 50(4), 521-552.
23. Zhong, W., **Kim, Y.,** & Jehn, M. (2013). Modeling dynamics of an influenza pandemic with heterogeneous coping behaviors: Case study of a 2009 H1N1 outbreak in Arizona. *Computational and Mathematical Organizational Theory*, 19(4), 622-645.
24. **Kim, Y.,** Zhong, W., & Chun, Y. (2013). Modeling sanction choices on fraudulent benefit exchanges in public service delivery. *Journal of Artificial Societies and Social Simulation*, 16(2)8, <http://jasss.soc.surrey.ac.uk/16/2/8.html>.
25. Peck, L., **Kim, Y., & Lucio, J.** (2012). An empirical examination of validity in evaluation. *American Journal of Evaluation*, 33(3), 350-365.
26. Chun, Y., **Kim, Y., & Campbell, H.** (2012). Using Bayesian methods to control for spatial autocorrelation in environmental justice research: An illustration using Toxics Release Inventory data for a Sunbelt county. *Journal of Urban Affairs*, 34(4), 419-439.
27. Eckerd, A., Campbell, H., & **Kim, Y.** (2012). Helping those like us or harming those unlike us: Illuminating social processes leading to environmental injustice. *Environment and Planning B*, 39(5), 945-964.

28. **Kim, Y.**, Hahn, D., & Coursey, D. (2012). Decisions in research review boards: The roles of individual characteristics and communication media. *Public Integrity*, 14(2), 173-192.
29. **Kim, Y.**, Johnston, E., & Kang, H.S. (2011). A computational approach to managing performance dynamics of networked governance systems. *Public Performance & Management Review*, 34(4), 580-597.
30. Jehn, M., **Kim, Y.**, Bradley, B., & Lant, T. (2011). Community knowledge, risk perception and preparedness for the 2009 influenza A (H1N1) pandemic. *Journal of Public Health Management and Practice*, 17(5), 431-438.
31. **Kim, Y.**, Kim, S., & Kim, H. (2010). Transfer from a home and community-based long-term care program to a nursing home: The Ohio experience. *International Journal of Public Policy*, 5(2/3), 160-174.
32. Desai, A., Greenbaum, R., & **Kim, Y.** (2009). Incorporating policy criteria in spatial analysis. *American Review of Public Administration*, 39(1), 23-42.

*Awarded **the Health Policy Researcher of the Year** by the Health Policy Institute of Ohio
33. **Kim, Y.**, & Xiao, N. (2008). FraudSim: Simulating fraud in a public delivery program. In L. Liu & J. Eck (Eds.), *Artificial Crime Analysis Systems: Using Computer Simulations and Geographic Information Systems* (pp. 319-338). Hershey, PA: IGI Global.
34. Johnston, E., **Kim, Y.**, & Ayyangar, M. (2007). Intending the unintended: The act of building agent-based models as a regular source of knowledge generation. *Interdisciplinary Description of Complex Systems*, 5(2), 81-91.
35. **Kim, Y.** (2007). Using spatial analysis for monitoring fraud in a public delivery program. *Social Science Computer Review*, 25(3), 287-301.

Peer Reviewed Conference Proceedings

1. Han, S., Ko, Y., **Kim, Y.**, Oh, S.S., Park, H., & Kim, S-W. (2022). D-FEND: A Diffusion-Based Fake News Detection Framework for news articles related to COVID-19. *The 37th ACM/SIGAPP Symposium On Applied Computing (SAC 2022)*. April 25-29 (Virtual)
2. Wang, C., **Kim, Y.**, & Oh, S.S. (2020). Epidemic response coordination networks in “living documents.” *Proceeding of 53th Hawaii International Conference on System Sciences (HICSS)*. (pp. 594-603). <http://hdl.handle.net/10125/63812>
3. **Kim, Y.**, Kim, J.H., Oh, S.S., Kim, S-W, & Ku, M. (2019). Subgroup analysis of an epidemic response network of organizations: 2015 MERS outbreak in Korea. *Proceeding of 20th Annual International Conference on Digital Government Research* (pp. 177-185). New York, NY: ACM. DOI: <https://doi.org/10.1145/3325112.3325260>
4. **Kim, Y.**, & McGraw, C. (2012). Use of agent-based modeling for e-Governance research. *Proceeding of the 6th International Conference on Theory and Practice of Electronic Governance*. DOI: 10.1145/2463728.2463850
5. Eckerd, A., **Kim, Y.**, & Campbell, H. (2011). Using ABM to illuminate social processes leading to environmental injustice. *Proceeding of Computational Social Science Society of America*.
6. Zhong, W., & **Kim, Y.** (2010). Using model replication to improve the reliability of agent-based models. In S.K. Chai, J.J. Salerno, & P.L. Mabry (Eds.), *Advances in Social Computing* (pp. 118-127). New York: Springer.

||| Non-Refereed Articles |||

Book Chapters

1. **Kim, Y.** (2012). Simulating a fraud mechanism in public service delivery. In A. Desai (Ed.), *Simulations for Policy Inquiry* (pp. 121-138). New York: Springer.
2. **Zhong, W.**, Lant, T., Jehn, M., & **Kim, Y.** (2012). Pandemic influenza simulation with public avoidance behavior. In A. Desai (Ed.), *Simulation for Policy Inquiry* (pp. 181-201). New York: Springer.
3. Catlaw, T., & **Kim, Y.** (2012). Ontologies of multiplicity and simulation: Possibilities for public affairs inquiry. In L. Gerrits, P. Marks, & F. Boons (Eds.). *COMPACT I: Public Administration in Complexity* (pp. 25-43). Litchfield Park, AZ: Emergent Publications.
4. Johnston, E., Quigley, P., & **Kim, Y.** (2010). Crossing the border: Exploring the barriers for including complexity methods in evidence-based policy debates. In K. Martinas, D. Matika & A. Srbljinovic (Eds.). *Complex Societal Dynamics: Security Challenges and Opportunities* (pp. 13-22). Amsterdam: IOS Press.

Book Reviews

1. **Kim, Y., & Kim, J.** (December 2023). *Harnessing Complexity for Better Outcomes in Public and Non-profit Services* by Max French, Hannah Hesselgreaves, Rob Wilson, Melissa Hawkins, & Toby Lowe. *Journal of Policy Analysis and Management* (English).
2. **Kim, Y.** (December 2022). *Power and Prediction* by Ajay Agrawal, Joshua Gans, & Avi Goldfarb. The National Information Society Agency, Korea. IT & Future Strategy Report (Korean).
3. **Kim, Y.** (December 2020). *Digital Minimalism* by Cal Newport. The National Information Society Agency, Korea. IT & Future Strategy Report. No. 8, 88-95 (Korean).

Special Issue Editorial

1. Liu, M., & **Kim, Y.** (2018). Internet plus government: New opportunities to solve public problems? *Government Information Quarterly*, 35(1), 88-97.
2. **Kim, Y.**, & Liu, M. (2017). The internet, citizens, and public policy. *Information Polity*, 22(2-3), 69-72.
3. **Kim, Y.**, & Zhang, J. (2016). Digital government and wicked problems. *Government Information Quarterly*, 33(4), 769-776.
4. Zhang, J., & **Kim, Y.** (2016). Digital government and wicked problems: Solution or problem? *Information Polity*, 21(3), 215-221.
5. Desai, A., & **Kim, Y.** (2015). Policy Informatics. *Journal of Policy Analysis and Management*, 35(2), 354-357.
6. Johnston, E., & **Kim, Y.** (2011). Introduction to the special issue on policy informatics. *The Innovation Journal*, 16(1), article 1. <http://www.innovation.cc/volumes-issues/vol16-no1.htm>

Non-Peer Reviewed Articles and Reports

1. Mossberger, K., **McCullough, M.**, Molina, A., & **Kim, Y.** (2021). *Digital entrepreneurship in communities of color*. Policy brief sponsored by the Ewing Marion Kauffman Foundation: Kansas City.
2. **Kim, Y.** (2021). Computational modeling approach to understanding entrepreneurial ecosystems, in *Big Data Directions in Entrepreneurship Research; Researcher Viewpoints* (pp. 15-19), The Ewing Marion Kauffman Foundation: Kansas City.

3. **Kim, Y.** (2017). Data-driven policy making, The National Information Society Agency, Korea (Korean).
4. Johnston, E., & **Kim, Y.** (2009). Mobilization via frustration: A Minnowbrook (III) tradition? *Administrative Theory & Praxis*, 3(1), 116-118.

RESEARCH ACTIVITIES*

Refereed Conference Presentations

1. Use follows access? Local green space use behaviors in desert cities, Arizona (with J. Kim, Y. Won, & E. Corley). UAA, New York, NY, April 23-26, 2024
2. Urban greening options and equity outcome: A QCA study of 26 Chicago neighborhoods (with J. Kim), APPAM, Atlanta, GA, November 9-11, 2023
3. Environmental policy and green gentrification (with A. Eckerd and H. Campbell), UAA, Nashville, TN, April 26-29, 2023
4. The green space dilemma: Pathways to greening with and without gentrification (with J. Kim and M. Stuhlmacher). APPAM, Washington, D.C., November 17-19, 2022 **Friday Night Poster Session Award 3rd Place*
5. D-FEND: A Diffusion-Based Fake News Detection Framework for news articles related to COVID-19 (with S. Han, Y. Ko, S.S. Oh, H.J. Park, & S-W. Kim). The 37th ACM/SIGAPP Symposium on Applied Computing (SAC 2022) (Virtual), April 25-29, 2022
6. Who benefits from greenspaces? A use-based assessment on access to parks (with Y. Won). APPAM, Austin, TX, March 27 – 29; UAA, Washington, DC., April 12-14, 2022
7. Gentrification and urban green space in Chicago (with M. Stuhlmacher). American Geophysical Union Fall Meeting (Virtual), December 15; Geo for Good (Virtual), October 20, 2021
8. Effect of an emergent group on network efficiency in a public health emergency response: Case of 2015 MERS-CoV in Korea (with K.B. Lee, S.S. Oh and H.J. Park). The 29th Annual Conference of the Society of Risk Analysis-Europe (virtual), June 13-16, 2021
9. Political ideology and COVID-19 policy stringency: Exploring causal heterogeneity (with C. Wang). MPSA (virtual), April 14-April 18; APSA (virtual), September 30-October 3, 2021
10. From cases, to configurations, to improving environmental justice policies (with H. Campbell and A. Eckerd), APPAM Virtual Conference. November 11, 2020
11. Planned but not planned effectively: Public health emergency response in Korea (with C. Wang and S.S. Oh), ASPA, Anaheim, CA, April 3-7, 2020 (the conference was cancelled due to COVID-19) **William Petak Award*
12. Epidemic response coordination networks in “living documents” (with C. Wang and S.S. Oh). 53th Hawaii International Conference on System Sciences, Maui, Hawaii, January 7-10, 2020
13. The role of nongovernmental organizations in a public health emergency (with J. Byeon and S.S. Oh), The Korean Association for Public Administration conference, Busan, Korea, June 28, 2019

* **AESS**: Association for Environmental Studies and Sciences; **APPAM**: Association for Public Policy Analysis and Management; **APSA**: American Political Science Association; **ASPA**: American Society for Public Administration; **dg.o**: Digital Government Society; **EJPI**: Environmental Justice and Policy Initiative at Arizona State University; **MPSA**: Midwest Political Science Association; **NASPAA**: National Association of Schools of Public Affairs and Administration; **PMRA**: Public Management Research Association; **UAA**: Urban Affairs Association

14. Civic innovation to local government: Implementation drivers and challenges (with C. Wang), Public Administration and Innovation Conference, Shanghai, China, June 22-23, 2019
15. Subgroup analysis of an epidemic response network of organizations: 2015 MERS outbreak in Korea (with J.H. Kim, S.S. Oh, S-W Kim and M. Ku), dg.o Conference, Dubai, UAE, June 18-20, 2019
16. Epidemic response network of organizations: Detecting communities in a forest with mushrooms and spider webs (with J.H. Kim, S.S. Oh and S-W Kim), PMRC, Chapel Hill, NC, June 13, 2019
17. Urban park quality and environmental justice: A literature review (with EJPI group), UAA Conference, LA, CA, April 24-27, 2019
Suburbanization and perceived environmental quality: A case of Phoenix, Arizona (with EJPI research group), UAA Conference, LA, CA, April 24-27, 2019
18. Cleaning up brownfields, improving environmental justice: Assessing the effects of community involvement (with H. Campbell and A. Eckerd), UAA Conference, LA, CA, April 24-27, 2019
19. Emergency response coordination plan enactment: Actors and relations enacted, not enacted, or emergent (with S.S. Oh and M. Ku), APPAM, Washington, D.C., November 8-10, 2018
20. Conceptualizing dimensions of park quality (with E. Rugland, E. Corley and J. Lucio). UAA, Toronto, Canada, April 7, 2018
21. Exploring the potential consequences of drone use regulations from a social justice perspective (with J. Nelson), UAA, Toronto, Canada, April 7, 2018
22. Using agent-based modeling to explore cognitive processes leading to the political polarization of the public's attitude on climate change (with Y. Won), MPSA, Chicago, IL, April 5-8, 2018
23. Plan enactment in emergency response operations (with M. Ku and S.S. Oh), ASPA, Denver, CO, March 9-13, 2018
24. Economic development and gentrification in communities with high levels of environmental injustice (with H. Campbell and A. Eckerd), APPAM, Chicago, IL, November 2-4, 2017
25. Cleaning up brownfields, improving environmental justice: Assessing community involvement (with H. Campbell and A. Eckerd), AESS Conference, Tucson, AZ, June 21-24, 2017
26. Park development and civic engagement: A case study of two urban parks in Arizona (with J. Lucio, E. Corley and E. Rugland), AESS Conference, Tucson, AZ, June 21-24, 2017
27. New evidence on ethnicity-based environmental inequity in Southern California (with Y. Chun and H. Campbell), UAA Conference, Minneapolis, MN, April 19-22, 2017
28. Understanding economic development and gentrification in communities with high levels of environmental injustice (with A. Eckerd and H. Campbell), UAA Conference, Minneapolis, MN, April 19-22, 2017
29. The development and distribution of urban green spaces: A case study of Phoenix, Arizona (with J. Lucio and E. Corley), UAA Conference, Minneapolis, MN, April 19-22, 2017
30. Cleaning up brownfields, improving environmental justice: Assessing community involvement (with H. Campbell and A. Eckerd), UAA Conference, San Diego, CA, March 18-20, 2016

31. Community potential for collective action and environmental justice: An agent-based analysis (with A. Eckerd and H. Campbell), APSA Annual Meeting, San Francisco, CA, September 3-6, 2015
32. Causal recipes for states' environmental justice policy (with S. Verweij), International Conference on Public Policy, Milan, Italy, July 1-4, 2015
33. Trying to solve the environmental justice problem: Insight from agent-based modeling (with H. Campbell and A. Eckerd), AESS Conference, San Diego, CA, June 24-27, 2015
34. Residential mobility and environmental justice: Insights from agent-based analysis (with A. Eckerd and H. Campbell), The 36th APPAM Annual Research Conference, Albuquerque, NM, November 6-8, 2014
35. Social capital and environmental justice: An agent-based model (with A. Eckerd and H. Campbell), The 35th APPAM Annual Research Conference, Washington, DC, November 7-9, 2013 **** Featured in the online research collection of the 2013 APPAM Fall research conference***
36. Race vs. class in environmental justice: Using agent-based modeling (with H. Campbell and A. Eckerd), The 34rd APPAM Annual Research Conference, Baltimore, MD, November 8-10, 2012
37. Detecting fraud: Using modeling and simulation approaches in practice and research (with C. McGraw), The 6th International Conference on Theory and Practice of Electronic Governance Conference, Albany, NY, October 22-25, 2012
38. Inducing proper public actions through risk communication during an emergency (with W. Zhong), The 33rd APPAM Annual Research Conference, Washington, DC, November 3-5, 2011
39. Zoning systems, externalities, and environmental justice (with H. Campbell and A. Eckerd), The 33rd APPAM Annual Research Conference, Washington, DC, November 3-5, 2011
40. Using ABM to illuminate social processes leading to environmental injustice (with A. Eckerd and H. Campbell), The 2011 Computational Social Science Society of America Annual Conference, Santa Fe, NM, October 9-12, 2011
41. Philosophies of multiplicity and complexity sciences (with T. Catlaw), Challenges of Making Public Administration and Complexity Theory Work, Rotterdam, The Netherlands, June 23-25, 2011
42. Searching for sweet spots of communication during an emergency situation: Pandemic influenza outbreaks and public risk communication (with W. Zhong), The 11th Biannual PMRA, Syracuse, NY, June 2-4, 2011
43. An examination of validity in evaluation (with L. Peck and J. Lucio), The American Evaluation Association Conference, San Antonio, TX, November 8-10, 2010
44. Environmental inequities in a Sunbelt city: A Bayesian spatial analysis (with Y. Chun and H. Campbell), The 57th North American Meetings of the Regional Science Association International, Denver, CO, November 10-13, 2010
45. Public perception of risk during the Novel H1N1 pandemic (with W. Zhong, M. Jehn, B. Bradley and T. Lant), The 32nd APPAM Annual Research Conference, Boston, MA, November 4-6, 2010
46. Helping those like us or harming those unlike us: Using agent-based modeling to illuminate social processes leading to environmental injustice (with A. Eckerd and H. Campbell), The 32nd APPAM Annual Research Conference, Boston, MA, November 4-6, 2010

47. Using model replication to improve the reliability of agent-based models (with W. Zhong), International Conference on Social Computing, Behavioral Modeling, and Prediction, Natcher Auditorium, NIH Main Campus, Bethesda, MD, March 29-April 1, 2010
48. Dealing with evidence of 'lack of evidence': Fraud control in public service delivery (with W. Zhong), The 31st APPAM Annual Research Conference, Washington, DC, November 5-7, 2009
49. From data to action: Evaluating simulation data in agent-based models (with Y. Chun), North American Association for Computational Social and Organizational Sciences Annual Conference, Tempe, AZ, October 23-24, 2009
50. Multiple platforms to enhance policy-making using simulation evidence (with W. Zhong), North American Association for Computational Social and Organizational Sciences Annual Conference, Tempe, AZ, October 23-24, 2009
51. An interpretive-emergent-holistic approach for collaborative governance (with E. Johnston and N. Nan), The 10th Biannual PMRA Conference, Columbus, OH, October 1-3, 2009
52. The interplay of certainty, severity, and celerity in punishment on wrongdoing (II): Fraud control in public service delivery (with W. Zhong), The 10th Biannual PMRA Conference, Columbus, OH, October 1-3, 2009
53. The interplay of severity and certainty of punishment on wrongdoing (with W. Zhong), The 30th APPAM Annual Research Conference in Los Angeles, CA, November 6-8, 2008
54. Policy informatics v1.0 (with E. Johnston), Minnowbrook III, Syracuse, NY, September 5-7, 2008
55. The use of policy informatics to understand the METRO transportation megaprojects in Phoenix (with E. Johnston and M. Ayyangar), The 68th ASPA Annual Conference, Dallas, TX, March 7-11, 2008
56. The dynamics of public performance management, The 9th Biannual PMRA Conference, University of Arizona, Tucson, AZ, October 25-27, 2007
57. Dynamic spatial models of fraudulent behavior: Combining Geographical Information Systems and Agent-Based Models (with A. Desai), The 9th Crime Mapping Research Conference, Pittsburgh, PA, March 28-31, 2007
58. Disenrollment from a home and community-based long-term care program to a nursing home: Ohio's experience (with S. Kim and H. Kim), The 67th ASPA Annual Conference, Washington, DC, March 25-27, 2007
59. Detecting fraud in public service delivery programs, The 27th APPAM Annual Research Conference in Washington, DC, November 3-5, 2005
60. Estimating local effects of Medicaid expenditure changes (with A. Desai and R. Greenbaum), The 27th APPAM Annual Research Conference in Washington, DC, November 3-5, 2005
61. Estimating and illustrating the county level effects of reduced Medicaid expenditures (with A. Desai and R. Greenbaum), AcademyHealth's State Health Research and Policy Interest Group Meeting in Boston, MA, June 25, 2005

Invited, Professional, and Colloquium Presentations

1. Green gentrification and environmental justice: A complexity approach. Claremont Graduate University Tuesday Talks (with H. Compbell and A. Eckerd), April 17, 2024
2. ChatGPT and analytics. Claremont Graduate University Tuesday Talks, November 7, 2023

3. ChatGPT use and implications for education (with J. Kim). Center on Technology, Data and Society talk, February 15, 2023
4. AI use and implications for analytics: ChatGPT (with J. Kim). SNU 10-10 Lecture Series, January 19, 2023
5. US State COVID-19 policy mix diversity, SNU-USC BK21Four & 10-10 Project International Conference, January 6, 2022
6. Guest Speaker, Environmental justice and policy in the U.S.: Systems thinking approach, Brain Korea Seminar, Graduate School of Public Administration, Seoul National University, April 14, 2021
7. Guest Speaker, Environmental justice and policy in the U.S.: Systems thinking approach, PAF7317 Social Inquiry & Public Policy, School of Public Administration, University of Central Florida, March 18, 2021
8. Guest Speaker, Supporting government decisions in times of crisis, The Visiting International Professional Program at Michigan State University funded by the Korean Ministry of Personnel Management, December 2, 2020
9. Guest Lecture, 2015 MERS-CoV response in Korea TNDY4o8C: COVID-19 and Health Systems in the USA and Around the World, Claremont Graduate University, Claremont, CA, November 5, 2020
10. Panel Speaker, MERS-COV and COVID-19 in Korea: Planning and organizing for national public health crises, Rethinking Crisis Management and International Cooperation amidst COVID-19, Center for Interdisciplinary Research on China at Kookmin University, Korea, September 10, 2020 ** Covered by 15 Chinese and 4 Korean news outlets*
10. Panel Speaker, From uncoordinated patchworks to a coordinated system: MERS-CoV to COVID-19 in Korea, COVID-19 and Public Policy and Management Workshop, ASU Center on Technology, Data, and Society, Phoenix, AZ, May 1, 2020
11. Public health emergency management: Insights from a network study, Korea University SSK Colloquium, Seoul, Korea, December 2, 2019
12. The emergence of environmental injustice: Economic rationality, political rationality, and racial targeting, Korea University Colloquium, Seoul, Korea, January 31, 2018
13. A network analysis of public health emergency response, Korea University, Social Science Korea Colloquium, Seoul, Korea, November 28, 2017
14. Operation plan enactment in response to public health emergency (with M. Ku and S.S. Oh), Renmin University of China, Beijing, China, November 26, 2017
15. Data-driven policymaking in U.S., The Korean Association for Public Administration International Conference, Jeonju, Korea, June 22-24, 2017
16. Interorganizational networks planned vs. implemented for disruptive events (with M. Ku and S.S. Oh), Korea University, Social Science Korea Colloquium, Seoul, Korea, June 26, 2017
17. Interorganizational networks planned vs. implemented for disruptive events (with M. Ku and S.S. Oh), Korean Association for Public Administration International Conference, Jeonju, Korea, June 22-24, 2017
18. Environmental injustice as environmental disaster, American University, Washington, D.C., December 9, 2016
19. Education through simulation: Assessing the NASPAA student simulation competition cases, NASPAA Annual Conference, Columbus, OH, October 20-21, 2016

20. It's not just for capstones: Short duration client projects for the MPA classroom, NASPAA Annual Conference, Columbus, OH, October 20-21, 2016
21. Two effective causal paths that explain the adoption of U.S. state environmental justice policies, Claremont Graduate University, Claremont, CA, March 29, 2016
22. Agent-based modeling for public policy and management research, Public Administration Seminar Series on Research Methodology, Erasmus University-Rotterdam, The Netherlands, May 27, 2014
23. Environmental justice using agent-based modeling, Governance of Complex Systems Group, Erasmus University–Rotterdam, Rotterdam, The Netherlands, April 17, 2014
24. A conversation about being a scholar in the complexity sciences (with K. Dooley), Consortium for Biosocial Complex Systems Dynamical Discussion, Arizona State University, Tempe, AZ, October 17, 2013
25. What to consider in launching and evaluating distance/online learning in your program, NASPAA Annual Conference, Washington, DC, October 10-12, 2013
26. Directing programs: The good, the bad and the ugly, NASPAA Annual Conference, Washington, DC, October 10-12, 2013
Policy Informatics: An application to environmental justice and policy, Graduate School of Public Administration, Seoul National University, Seoul, Korea, June 26, 2013
27. Complexity science, agent-based modeling, and policy informatics: What are they doing in the space of policy analysis and management? The Center for Social Dynamics and Complexity, Arizona State University, Tempe, AZ, November 15, 2012
28. ICT-enabled governance and policy modeling: Bridging the North-South gap, The 6th International Conference on Theory and Practice of Electronic Governance Conference, Albany, NY, October 22-25, 2012
29. Building agent-based models with MPA/MPP students in classroom, NASPAA Annual Conference, Austin, TX, October 18-20, 2012
30. Using agent-based modeling to disentangle environmental (in)justice (with H. Campbell and A. Eckerd), School of Public Affairs Colloquium, Arizona State University, Phoenix, AZ, February 25, 2011
31. Simulations as narratives (with D. Landsbergen and A. Desai), NASPAA Annual Conference, Las Vegas, NV, September 30-October 2, 2010
32. Crossing the border: Exploring the barriers for including complexity methods in evidence-based policy debates (with Johnston and Quigley), NATO Advance Research Workshop, Zagreb, Croatia, December 9, 2009
33. Public risk communication survey (with M. Jehn and T. Lant), Workshop on improving risk communication during a pandemic: Challenges and opportunities, Phoenix, AZ, November 9, 2009
34. Incorporating policy criteria in spatial analysis, School of Public Affairs colloquium, Arizona State University, Phoenix, AZ, April 18, 2008
35. Simulating statistical and spatial patterns of fraud using an agent-based model, John Glenn School of Public Affairs, Doctoral Colloquium, Columbus, OH, January 5, 2007

36. *The role and effect of a value-added measure on the Ohio education accountability system* (with Desai), Ohio Department of Education, Columbus, OH, August 28, 2006
37. *Incident and knowledge management at Ohio Health*, CETI Industry Day showcase, Ohio State University, Columbus, OH, July 28
38. *Complex behavior: Emerging spatial patterns between corrupt agents*, Department of Computer Science and Engineering, Ohio State University, Columbus, OH, November 14, 2005
39. *Identifying high-risk vendors in public service delivery programs*, Criminal Justice Research Center, Ohio State University, Columbus, OH, October 28, 2005
40. *Estimating local effects of Medicaid expenditure changes* (with A. Desai and R. Greenbaum), Statewide Rural Health Conference in Columbus, OH, June 3, 2005
41. *Estimating the results of reduced Medicaid expenditures* (with A. Desai and R. Greenbaum), Testimony presented to the House sub-committee on Human Services, Ohio Legislature, 2005
42. *Identifying high-risk vendors*, School of Public Policy & Management, Doctoral Colloquium, Ohio State University, Columbus, OH, April 22, 2005

Research Training and Workshops

1. *The Future of Social Science*, Institute for Social Research, University of Michigan, Ann Arbor, MI, October 7-8, 2016
2. *Agent-Based Modeling in Education*, Arizona State University, Tempe, AZ, Feb. 28-Mar. 2, 2013
3. *Modeling Emergence in Sociology*, University of Arizona, Tucson, AZ, January 3-5, 2013
4. *Introduction to R*, University of Arizona, Tucson, AZ, January 3-5, 2013
5. *Teaching Individual/Agent-based Modeling*, Humboldt State University, Arcata, CA, June 13-17, 2011
6. *Collaborative and Participatory Research Workshop*, University of Texas, Austin, TX, May 10-11, 2010
7. *Policy Informatics Workshop*, Arizona State University, Tempe, AZ, February 4-6, 2010
8. *Second International Workshop on Social Computing, Behavioral Modeling, and Prediction*, Phoenix, AZ, March 30 – April 1, 2009
9. *Spatial Filtering using the Eigenvector Approach*, University of Texas, Dallas, June 16-20, 2008
10. *First International Workshop on Social Computing, Behavioral Modeling, and Prediction*, Phoenix, AZ, April 1-2, 2008
11. *GIS and Spatial Modeling for the Social Science Curriculum*, Spatial Perspectives on Analysis for Curriculum Enhancement Workshop, Ohio State University, Columbus, OH, June 18-23, 2007
12. *Mapping and Analysis for Public Safety*, The 9th Crime Mapping Research Conference, Pittsburg, PA, March 28-31, 2007
13. *Crime Hot Spots: Behavioral, Computational and Mathematical Models*, The Institute for Pure and Applied Mathematics, University of California, LA, CA, January 29 - February 2, 2007
14. *Space, Networks and Social Influence*, The National Consortium on Violence Research (NCOVR) Sponsored Workshop, University of California, Irvine, CA, February 9-11, 2006

TEACHING

Courses Taught

Arizona State University (2007 – Current)

- PAF340 Contemporary Policy Challenges (Undergraduate, ASU Online)
- PAF505 Public Policy Analysis (Graduate, Face-to-Face & ASU Online)
- PAF509 Public Affairs Capstone (Graduate, Online)
- PAF540 Advance Policy Analysis (Graduate, Face-to-Face & Intensive)
- PAF541 Program Evaluation (Graduate, Intensive)
- PAF579 Public Policy Capstone (Graduate, Intensive)
- PAF591 Complexity in Public Policy & Management (Graduate, Face-to-Face & Intensive)
- SOS/SOLS/SHESC/PAF/SGSUP 494/591 Introduction to Fundamentals of Urban Sustainability Science (Seminar)
- PAF601 Advance Policy Seminar (Doctoral)

Teaching Abroad

Environmental Justice and Agent-Based Modeling

- University of Bamberg, Germany (Undergraduate, Spring 2015)
- Seoul National University, Korea (Graduate, Fall 2015)
- Korea University, Korea (Undergraduate, Fall 2015)

Doctoral Dissertation Committee

- 2025 Jieun Kim, “Governing the Impact of Climate Change and Nature-based Solutions,” School of Public Affairs, Arizona State University, Chair (In Progress)
- 2024 Youngjae Won, “Connecting Disadvantaged Communities with Green Spaces: Toward Better Policy Design,” School of Public Affairs, Arizona State University, Chair (In Progress)
- 2023 Chan Wang, “Navigating Uncertainty: Understanding the Complexity of Rationales in State COVID-19 Policy Change Decisions,” School of Public Affairs, Arizona State University, Chair
Assistant Professor, Jacksonville State University
- 2022 Jun Ho Song, “User Modeling in Social Media: Analyses and Methods,” Department of Data and Knowledge Engineering, Hanyang University, South Korea, Committee
- 2020 Michelle Stuhlmacher, “Patch to Landscape and Back Again: Land System Architecture Change and Environmental Consequences from the Local to Global Scale,” School of Geographical Sciences and Urban Planning, Arizona State University, Committee
Assistant Professor, DePaul University
- 2019 Jake Nelson, “Policy Innovation for an Uncertain Future: Regulating Drone Use in Southern California Cities,” School of Public Affairs, Arizona State University, Committee
Post-doc, University of Texas at Austin

- 2013 Jeffrey Callen, "A Tree with Roots: Public Administration Ethics from Case Studies to Assemblages," School of Public Affairs, Arizona State University, Committee
Assistant Professor, Idaho State University
- 2013 Wooseong Jeong, "The Dynamics on Innovation Adoption in U.S. Municipalities: The Role of Administrative Leadership in Promoting Innovative Practices," School of Public Affairs, Arizona State University, Co-Chair
Researcher, The Korea Research Institute for Human Settlements
- 2012 Wei Zhong, "Communicative Competence: Computational Simulation Approach to Public Emergency Management," School of Public Affairs, Arizona State University, Committee
Assistant Professor, Renmin University of China

Master Thesis Committee

- 2015 Patricia Garland, "Environmental Justice and the Siting of SR-85 and North Gateway Transfer Station," Global Institute of Sustainability, Arizona State University
- 2013 Chien-Fen Chiu, "Customers' Zone of Tolerance toward Hotel Services," School of Community Resources and Development, Arizona State University
- 2009 Zachary Cole, "Quileute Environmental Values: Effect on Attitudes Toward Natural Resource Management," School of Community Resources and Development, Arizona State University

Undergraduate Honor's Thesis Committee

- 2017 Erin Rugland, "Social Exclusion from Public Green Spaces: Dimensions of Sociolegal Barriers to Urban Park Access," Barrett, The Honors College, Arizona State University

Reading & Conference Adviser

- 2016 David Schlinkert, "Edification of the Previously Displaced: Dropout Rates and Mental Health Access Amongst Bolivar's Displaced Youths" for the United State Agency of International Development, School of Public Affairs, Arizona State University

High School Student Faculty Adviser (Senior Project)

- 2023 Tiffany McKalko, BASIS Ahwatukee High School (Topic: COVID-19 State Policy)
- 2018 Vritika Patni, BASIS Peoria High School (Topic: Environmental Justice)

International Visiting Fellow Adviser

- 2024 Sanghoon Kim, Ministry of Environment, Korean Government (Climate Change Adaptation)
- 2018 Inyoung Hwang, Ph.D., Graduate School of Public Administration, Seoul National University (Agent-Based Modeling)
- 2017 Minsang Yi, ABD, Graduate School of Public Administration, Seoul National University (Information Technology)

2012 Howon Suk, Ph.D., Department of Public Administration, Korea University (Complexity and Public Policy)

SERVICE

Professional Service

Center on Technology, Data, and Society (CTDS), Arizona State University

- 2024 Arizona State University Center on Technology, Data and Society—Hanyang University Center for Computational Social Science International Joint Mini-Conference (January 23 & 24), Organizer
- 2022 Working with Spatial Data for Policy Research using R, Virtual Workshop, ASU Center on Technology, Data, and Society (October 7, 14, 21, and 28), Organizer
- 2021 Digital Entrepreneurship in Communities of Color, Center on Technology, Data and Society Workshop (April 9), Panel Moderator
- 2021 Arizona State University Center on Technology, Data and Society—Hanyang University Center for Computational Social Science Joint Mini-Conference (February 18 & 25), Organizer
- 2020 COVID-19 and Public Policy and Management Virtual Workshop, ASU Center on Technology, Data, and Society (May 1), Organizer

APPAM

- 2021 43th APPAM Fall Research Conference, Austin, TX. (November 11-13), Program Committee (Environmental Policy)
- 2020 42th APPAM Fall Research Conference, Washington, DC. (November 12-14), Program Committee (Environmental Policy)
- 2013 35th APPAM Annual Research Conference, Washington, DC (November 7-9), Discussant
- 2012 34th APPAM Conference, Baltimore, MD (November 8-10), Program Committee (Policy Informatics)
- 2012 34th APPAM Conference, Baltimore, MD (November 8-10), Roundtable Organizer, Advancing Policy Informatics within APPAM
- 2011 33rd APPAM Conference, Washington, D.C. (November 3-5)
- Poster Presentation Judge
- Program Committee on 1) Environment and Energy and 2) Ad-hoc Policy Informatics
- Panel Organizer, “Advanced Simulation Approaches for Community Sustainability”
- Workshop Organizer, “Working with Prototype Agent-Based Models for Topics in Public Policy and Management” (with E. Johnston and S. Maroulis)
- 2008 30th APPAM Conference, Los Angeles, CA (November 6)
- Discussant, “Organizational Decision Making: Causes and Consequences”
- Chair, “Exploring Scientists’ Perceptions about Their Research and Work Environment”

NASPAA

- 2023 NASPAA ad-hoc Simulation Committee (March 2023-October 2024) & Super Judge
- 2022 NASPAA ad-hoc Simulation Committee (March 2022-October 2023) & Super Judge
- 2019 NASPAA Annual Conference, Atlanta, GA (October 12), Panel Organizer
- 2019 4th NASPAA Student Simulation Competition, Arizona State University, Phoenix, AZ (February 24), ASU Simulation Leader

- 2017 3rd NASPAA Student Simulation Competition, Arizona State University, Phoenix, AZ (February 25), Advisory Group & ASU Simulation Leader
- 2016 2nd NASPAA Student Simulation Competition, Arizona State University, Phoenix, AZ (February 27), Steering Committee & ASU Simulation Leader
- 2015 1st NASPAA Student Simulation Competition, University of Southern California, LA, CA (February 28), Judge
- 2014 NASPAA Doctoral Dissertation Award Committee

Digital Government

- 2019 20th International Conference on Digital Government Research, Dubai, UAE (June 18-20), Track Co-Chair, “Data intelligence to data impacts: Tackling public problems with data”
- 2018 19th International Conference on Digital Government Research, Delft, Netherlands (May 30-June 1), Track Co-Chair, “Data sharing and analytics to solve social challenges”
- 2016 17th International Conference on Digital Government Research, Shanghai, China (June 8-10), Program Co-Chair
- 2015 16th International Conference on Digital Government Research, Phoenix, AZ (May 27-30), Program Co-Chair
- 2014 Policy Informatics in the PA Curriculum: A workshop to explore integration of data-intensive analytical skills in public affairs education, Center for Technology in Government, Albany, NY (May 9), Advisory Group for the NSF/eGovPoliNet-funded workshop
- 2014 13th IFIP e-Government Conference, Trinity College, Dublin, Ireland (September 1-4), Program Committee
- 2013 12th IFIP e-Government Conference, Koblenz, Germany (September 16-19), Program Committee
- 2013 Crossover Project for Policy-Making 2.0 Prize, Jury
- 2013 XVII International Research Society for Public Management Conference, Prague, Czech Republic (April 10-12), Policy Informatics track Co-Chair

Other

- 2021 American Association of University Women Fellowship and Grant Review Panel, December 16, 2021-March 12, 2022, Reviewer
- 2019 Midwest Political Science Association, Chicago, IL (April 6), Selection Committee, the Evan Ringquist Award on Political Institutions
- 2016 2M Research Services, Expert panel on WIC fraud control (Dec 2015 – July 2017)
- 2012 Agent-Based Modeling Workshop (with S. Maroulis), Ohio State University, Columbus, OH (May 2-3)

Ad-hoc External Reviewer

- 2021 Decennial academic program reviewer, the International Political Economy MS, Public Policy MPP, and Public Policy and Political Economy Ph.D. programs, University of Texas-Dalla, November 8-10

Journals/Publishers

Ad-Hoc Reviewer

Administration & Society (2020, 2023), *American Journal of Evaluation* (2014, 2017, 2019), *Complexity, Governance, and Networks* (2016), *Computational and Mathematical Organization Theory* (2010), *Computers and Industrial Engineering* (2007), *Computers, Environment and Urban Systems* (2018), *Disaster Medicine and Public Health Preparedness* (2016, 2017), *Environmental Politics* (2023), *Information Polity* (2015), *International Journal of Society Systems Science* (2008, 2009, 2010, 2011, 2014), *Journal of Artificial Societies and Social Simulation* (2016), *Journal of Health and Human Services Administration* (2020), *Journal of Policy Analysis and Management* (2013), *Journal of Public Affairs Education* (2009, 2010, 2011, 2013, 2019), *Journal of Public Management and Social Policy* (2012), *Landscape and Urban Planning* (2020, 2022), *Policy and Society* (2020), *Policy Sciences* (2019), *Policy Studies Journal* (2009), *Public Administration Review* (2014, 2016, 2017, 2023), *Public Management Review* (2012, 2015, 2023), *Review of Policy Research* (2017), *Scientific Reports* (2023), *Southeastern Geographer* (2016), *The Annals of Regional Science* (2023), *Urban Studies* (2018)

Editorial Board

Journal of Policy Analysis and Management, Co-editor (2018-2022)

International Journal of Society Systems Science (2008-2010)

Book Proposal Reviewer

Routledge (2020)

Taylor and Francis Group (2017)

Book Reader

SAGE Publishing (2019)

Princeton University Press (2016, 2018)

Committee

University Committee

2024	ASU Graduate College Completion Fellowship Faculty Review Committee
2021	ASU Presidential Postdoctoral Fellowship (PPF) Committee
2018-2019	ASU Graduate College Fellowship Review Committee
2016	Santa Fe Institute/ASU CASS Online MS program Curriculum Committee
2010-2011	Preparing Future Faculty Program Mock Interviewer

Watts College Committee

2024	Watts College Future of Public Service Working Group, Dean Scholar
2021	Watts College Dean Search Advisory Committee
2021	Watts College Endowed Professor (Urban Solutions) Search Committee
2020	Watts College Maryvale 1-Square Mile Initiative Proposal Reviewer
2019-2020	Watts College EMHS Professor Search Committee
2018-2019	Watts College Peer Teaching Policy Ad-hoc Committee

School of Public Affairs Committee

2023	SPA P&T/Bylaw Committee
2022-	SPA Diversity Committee
2021	SPA Emergency Management Faculty Search Committee
2020-2022	SPA Personnel Committee, Chair (2021-2022)
2020-2021	SPA Diversity and Inclusion Committee, Chair
2019-2020	SPA EMHS Lecturer Search Committee, Chair
2018-2019	SPA Data Analytics Faculty Search Committees
2018-2019	SPA Faculty Associate Committee, Chair
2017-2020	SPA Undergraduate Committee, Director
2017-2018	SPA Study Abroad Program Committee, Chair
2016-2017	SPA Doctoral Committee
2016	SPA Doctoral Comprehensive Exam Ad-hoc Committee
2014-2015	SPA Personnel Committee
2012-2013	SPA PAF505/540/540 and PAF501/503/579 Working Group
2011-2017	SPA Colloquium Organizer
2010-2011	SPA Faculty Search Committee
2010-2011	SPA Mary Ann Huerta Jenkins Scholarship Committee
2009-2016	SPA MPA/MPP Committee
2009-2010	SPA PAF505 Core Curriculum Agreement Review Committee
2009-2010	SPA Technology Ad-hoc Committee
2007-2013	Center for Policy Informatics (CPI), ASU <ul style="list-style-type: none"> ▪ Launched Policy Informatics Network website (March 2012) ▪ Set up Policy Informatics Network Listserv (March 2012) ▪ APPAM symposium on policy informatics (November 3-5, 2011) ▪ A special issue on policy informatics, The Innovation Journal (February 2011) ▪ Round table: Complexity in public policy and management (October 18, 2010) ▪ Hosted a workshop on policy informatics at ASU (February 4-6, 2010) ▪ Co-hosted a workshop on risk communication (November 9, 2009) ▪ Launched the center website (http://cpi.asu.edu) (December 15, 2008) ▪ Received approval of the CPI proposal (January 16, 2008)

GRANTS

- 2021 Digital Entrepreneurship in Communities of Color (Co-Principal Investigator), The Ewing Marion Kauffman Foundation (\$20,000), January 15, 2021 – September 30, 2021
- 2020 50 States of COVID-19 Reality: Information, Misinformation and the Efficacy of State Interventions (Principal Investigator), The Institute for Social Science Research Seed Grant, Arizona State University (\$7,500), December 1, 2020 – January 30, 2021
- 2018 Urban Green Spaces Development and Environmental Justice (Principal Investigator), Arizona State University College of Public Service & Community Solutions, Category 5: Planning, Implementation, and/or Mobilization Grant (\$30,000), May 1, 2018 – April 30, 2020
- 2012 ASU College of Public Programs, Dean's summer support program (\$21,667)
- 2011 ASU College of Public Programs, Dean's summer support program (\$21,667)
- 2010 Crisis, Emergency, Response, and Preparedness (Principal Investigator), Arizona State University College of Public Programs Research Seed Grant (\$10,850), October 2010-July 2011
- 2010 Sustainability Game (Co-Principal Investigator), Decision Center for a Desert City, Arizona State University (\$40,000), January 2010
- 2009 Building Evidence for Legal Decision-making in Real-time: Legal Triage during Declared Emergencies (Co-Principal Investigator), Robert Wood Johnson Foundation (\$150,000), December 2009-May 2011
- 2009 Risk Communication Analysis and Modeling (Co-Principal Investigator), Arizona Department of Health Services (\$120,000), September 2009-March 2010
- ASU College of Public Programs, Dean's summer support program (\$21,667)
- 2008 ASU College of Public Programs, Dean's summer support program (\$21,667)

INTERNATIONAL RESEARCH COLLABORATIONS

- 2022 Big Data Analytics and Social Simulation for Public Safety in Connected Society (Stage II), Hanyang University Center for Computational Social Science funded by the Korea National Research Foundation, March 2022 – February 2025 (approx. \$25,000 per year in 2022-2025)
- 2018 Big Data Analytics and Social Simulation for Public Safety in Connected Society (Stage I), Hanyang University Center for Computational Social Science funded by the Korea National Research Foundation, August 2018 – February 2022 (approx. \$8,600 in 2018; \$21,500 in 2019; \$25,000 in 2020; \$25,000 in 2021)
- 2016 Middle East Respiratory Coronavirus Syndrome Outbreak Response Networks in Korea, The Socio-Informatics Center, Hanyang University, Korea, June-December (\$9,000)
- 2016 A Study of the Citizen-centered Governance System: Comparison and Design (Stage III), Korea University funded by the Korea Research Foundation (\$14,500), September 2016-August 2020
- 2013 A Study of the Citizen-centered Governance System: Comparison and Design (Stage II), Korea University funded by the Korea Research Foundation (\$12,000), September 2013-August 2016

- 2011 Developing Collaborative Governance Processes during the Unification of South and North Korea, the Ministry of Unification, Korea (\$9,000), December 2011- September 2012
- 2010 A Study of the Citizen-centered Governance System: Comparison and Design (Stage 1), Korea University funded by the Korea Research Foundation (\$12,000), September 2010-August 2013

CONSULTS

- 2022 Agent-based modeling, The Korea Institute of Public Administration
- 2020 New Technologies and Big Data for Entrepreneurship in Communities. The Ewing Marion Kauffman Foundation (\$5,000)
- 2017 Data-Driven Policymaking. The National Information Society Agency, Korea (\$3,000)
- 2016 Model Framework for Dense Urban Area. Center for Assured and Scalable Data Engineering, Arizona State University, Intra-university consulting (\$1,000)

ACADEMIC MEMBERSHIPS

- American Political Science Association, 2014-2015
- American Society for Public Administration, 2007–2014
- Association for Public Policy Analysis and Management, 2006–Present
- Computational Social Science Society of America, 2009, 2011
- Digital Government Society, 2014-2016
- Midwest Political Science Association, 2018-2019
- Public Management Research Association, 2007–2009, 2019
- Regional Science Association International, 2010
- Urban Affairs Association, 2016-Present