

Kailai Wang

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Education

The Ohio State University, Columbus, OH
2019 Ph.D. in City and Regional Planning

Arizona State University, Tempe, AZ
2015 Master of Urban and Environmental Planning
 Graduate Certificate in GIScience

Huazhong University of Science and Technology, Wuhan, China
2014 B.Eng. in Urban Planning

Research and Teaching Interests

Travel Behavior | Urban Systems | Transportation-Energy Nexus | Transportation Cybersecurity

Academic Appointments

University of Houston, Houston, TX
09/2021– *Assistant Professor*, Department of Industrial and Systems Engineering
 (Formerly housed in the Department of Construction Management;
 the program's faculty line transferred in Spring 2025)
12/2020–08/2021 *Research Assistant Professor*, Department of Construction Management

Affiliations

09/2024– *Affiliated Faculty*, Human-Centered Artificial Intelligence Institute
 C. T. Bauer College of Business

01/2024– *Affiliated Faculty*, Energy Transition Institute
 Division of Energy and Innovation

07/2023– *Associate Director*, US DOT Tier-1 UTC Transportation Cybersecurity
 Center for Advanced Research and Education (CYBER-CARE)

University of California, Davis, Davis, CA
09/2019–11/2020 *Postdoctoral Researcher*, Institute of Transportation Studies

The Ohio State University, Columbus, OH
08/2015–08/2019 *University Graduate Fellow/Graduate Research/Teaching Associate*,
 City and Regional Planning, Knowlton School of Architecture

Research Grants

Secured \$15+ million in federal research funding as PI or Co-PI since joining UH, including \$1.1+ million directly credited to Wang (amounts reflect sponsor-funded cash flow only and exclude in-kind contributions or cost-sharing)

External Grants

- 2025–2026 **Co-PI.** TxDOT, “Synthesis: Increase Awareness and Use of Transportation Nature-Based Solutions”, \$65,000 (**credit: \$11,250**); PI: Dr. Lu Gao (UH)
- 2025–2027 **PI.** Transit Cooperative Research Program (TCRP), Federal Transit Administration (FTA), “TCRP A-52: An Assessment of Cybersecurity at Public Transportation Agencies”, **\$400,000**
- 2025–2026 **Institutional PI.** TCRP Transit IDEA Program, FTA, “Transit IDEA J-04/IDEA 110: Boosting Transit Service Customer Satisfaction with an AI-Enhanced Crowdsourcing Platform”, \$100,000 (**credit: \$20,000**); PI: Dr. Xiaodong Qian (Wayne State University)
- 2024–2025 **PI.** US DOT Tier-1 UTC CYBER-CARE, “Nationwide Study on Cybersecurity Risk Responses Among Public Transit Agencies”, **\$70,000**
- 2024–2025 **Institutional PI.** US DOT Tier-1 UTC CYBER-CARE, “Securing Pedestrian Safety in the Connected and Autonomous Vehicles Scenes: Addressing Cybersecurity Challenges at Connected Intersections”, \$105,000 (**credit: \$30,000**); PI: Dr. Zhixia (Richard) Li (University of Cincinnati)
- 2024–2025 **PI.** US DOT Tier-1 UTC CYBER-CARE, “Applying Spatiotemporal Models to Explore the Nexus of Automotive, Cybersecurity, and Transportation and Logistics Industries in the US: Implications for Transportation Cybersecurity and Resiliency”, **\$20,000**
- 2024–2027 **Co-PI.** US DOE, “ZEEBRA: Zoos Educating on Electronics and Battery Recycling Awareness”, \$4,860,332 (**credit: \$183,250**); PI: Lisa Lin (Harris County)
- 2023–2024 **PI.** US DOT Tier-1 UTC CYBER-CARE, “Incorporating Psychographic Factors to Assess the Impact of Cybersecurity Breaches on Connected and Automated Vehicles and Road Safety”, **\$60,000**
- 2023–2024 **Co-PI.** US DOT Tier-1 UTC CYBER-CARE, “Increasing the Resilience of Transportation Systems under a Combination of Cybersecurity Attacks and Extreme Events”, \$60,000; PI: Dr. Ariel Silva (Rice University)
- 2023–2029 **Co-PI** at the Lead University. US DOT Tier-1 University Transportation Centers (UTC) Program, “Transportation Cybersecurity Center for Advanced Research and Education (CYBER-CARE)”, \$10,000,000 (Federal Funding) + \$5,000,000 (Match Funding). Associate Director of Executive; Other consortium partners: Embry-Riddle Aeronautical University, Rice University, Texas A&M University–Corpus Christi, University of Cincinnati, and University of Hawaii at Manoa

Internal Grants

- 2026–2027 **PI.** UH Energy Transition Institute Seed Fund Award, “GridPerm-AI: Leveraging Large Language Models to Streamline Permitting for Electric Generation and Transmission Projects”, **\$50,000**
- 2026–2027 **Co-PI.** National Centers Planning Award, “School Energy Systems, Extreme Weather Risks, and Resilient Childhoods”, **\$99,670**; PI: Dr. Fan Wang (UH)

- 2024–2025 **PI.** UH Energy Transition Institute Seed Fund Award, “Advancing Sustainability in Hydrogen Supply Chains (HSC): An AI-Enabled Approach for Digital Transformation in Hydrogen Transportation and Logistics in the State of Texas”, **\$60,000**
- 2022 **PI.** Seed Grant, Department of Construction Management at UH, “Spatial Accessibility to Healthcare Services Before, During and After the COVID-19 Pandemic in the Texas Triangle” **\$6,000**

Grant Experience Prior to UH (Before Serving as Independent PI)

- 2019–2020 New Urban Mobility Alliance (NUMO), “Understanding and influencing the uptake of micromobility modes”
- 2020 Ford Motor Company, “What mobility modes do/will shared e-scooters displace?”
- 2019–2020 Institute for Mobility Research, BMW Group, “City Scenarios with Focus on Classic OEM Products and New Business Models”
- 2018–2019 Ohio’s Research Initiative for Locals, Ohio-DOT, “Investigating Tools for Evaluating Service and Improvement Opportunities on Bicycle Routes in Ohio”
- 2016–2017 Student Research Program, Ohio-DOT, “Street Intersection Characteristics and Their Impacts on Perceived Bicycling Safety”

Publications

Refereed Journal Articles

(Google Scholar Citations: 2252, h-index: 24, i10-index: 36; * indicates that the corresponding author; Underline denotes that the co-author was a graduate student or research associate who worked with me)

Published/In-Press While at UH

- 2026 Huang, Y., **Wang, K.***, & Shi, J. (2026). Designing a multi-period model for economic and low-carbon hydrogen transportation in Texas. *International Journal of Hydrogen Energy*, 231, 154542. <https://doi.org/10.1016/j.ijhydene.2026.154542>
- Sabzi, B., Wang, C., **Wang, K.***, Li, Z., Zhang, Y. J., Cheng, L., & Lim, G. (2026). Heterogeneous impacts of system and vehicle security concern on autonomous vehicle adoption: A causal machine learning approach. *Journal of Choice Modelling*, 59, 100607. <https://doi.org/10.1016/j.jocm.2026.100607>
- Yannam, Y. R., Gao, J., Shi, J., Datta, A., **Wang, K.***, Krishnamoorti, R., Powell, J. B., Sengupta, D., & Ye, X. (2026). Toward a human-centered energy transition: Concepts, models, challenges, and research opportunities. *Utilities Policy*, 99, 102145. <https://doi.org/10.1016/j.jup.2026.102145>
- Guo, J., Li, Z.*, Xu, Y., Wei, H., Ahmed, M. M., Ash, J. E., Zhang, G., Zhang, Y. J., & **Wang, K.** (2026). What affects driver’s vulnerability under spoofing cyberattacks at a connected intersection?—A mechanism analysis of how and why. *Transportation Research Part F: Traffic Psychology and Behaviour*, 116, 103403. <https://doi.org/10.1016/j.trf.2025.103403>
- 2025 Wang, C., Shi, J.*, & **Wang, K.** (2025). Game theoretic modeling and optimization of competition and collaboration in dual channel electronic waste supply chains. *Scientific Reports*. <https://doi.org/10.1038/s41598-025-27878-x>

- Chen, C., Li, Z.*, Wei, H., Zhang, G., Ahmed, M. M., Ash, J. E., & **Wang, K.** (2025). How and why do human factors impact cyberattack consequences at a connected intersection? — A falsified red light countdown case study. *Transportation Research Part F: Traffic Psychology and Behaviour*, 115, 103369. <https://doi.org/10.1016/j.trf.2025.103369>
- Jena, A., Ozbilen, B.*, Kothawala, A., Lee, Y., & **Wang, K.**, Saridakis, C., Wadud, Z., Yang, Y., Grant-Muller, S., Castellanos, S., & Circella, G. (2025). Identifying E-Scooter Rider Profiles in the United States: A Latent Class Cluster Analysis. *Journal of Cycling and Micromobility Research*, 100088. <https://doi.org/10.1016/j.jcmr.2025.100088>
- Sabzi, B.*, Shi, J., Lim, G., Ezzati, F., & **Wang, K.** (2025). Energy equity-centered planning of community microgrids. *Sustainable Cities and Society*, 130, 106485. <https://doi.org/10.1016/j.scs.2025.106485>
- Ahmad, M.*, Mohiuddin, H., **Wang, K.**, Broadus, A., Fortier, M., & Circella, G. (2025). E-scooters and public transit: unveiling the conditions for a connection using trip and survey data. *Travel Behaviour and Society*, 41, 101090. <https://doi.org/10.1016/j.tbs.2025.101090>
- Jin, T., Wei, X., Cheng, L., **Wang, K.***, Xin, Y., & Witlox, F. (2025). Street matters: Linking perceived street environment to older adults' bike-sharing. *Travel Behaviour and Society*, 41, 101071. <https://doi.org/10.1016/j.tbs.2025.101071>
- Yang, Y.*, Saridakis, C., Wadud, Z., Kothawala, A., Jena, A., Ozbilen, B., **Wang, K.**, Circella, G., Castellanos, S., & Grant-Muller, S. (2025). Understanding factors influencing user retention in shared e-scooter schemes: A comparative study of the UK/EU and the US. *Travel Behaviour and Society*, 41, 101067. <https://doi.org/10.1016/j.tbs.2025.101067>
- Wang, J.*, **Wang, K.**, & Zhao, Y. (2025). Identifying potential upgradable bus stop locations with on-demand shuttle ridership with VIA data in Jersey City. *Transportation Research Part A: Policy and Practice*, 196, 104480. <https://doi.org/10.1016/j.tra.2025.104480>
- Wang, K.**, De Vos, J., Smart, M., & Wang, S.* (2025). Explaining Youth Driver Licensing Determinants Using XGBoost and SHAP. *Transport Policy*, 168, 87–100. <https://doi.org/10.1016/j.tranpol.2025.04.009>
- Chen, Z.*, Ki, D., Li, Z., & **Wang, K.** (2025). Assessing equity in infrastructure investment distribution among U.S. cities. *Cities*, 162, 105898. <https://doi.org/10.1016/j.cities.2025.105898>
- Wang, K.**, & De Vos, J.* (2025). Trends in leisure and shopping travel: From pre- to post-COVID-19 pandemic. *Travel Behaviour and Society*, 39, 100956. <https://doi.org/10.1016/j.tbs.2024.100956>
- De Vos, J.*, Cheng, L., Zhang, Y., **Wang, K.**, Mehdizadeh, M., & Cao, M. (2025). The effect of ease of travel on travel behaviour and perceived accessibility: A focus on travel to university campus. *Transportation Research Part F: Traffic Psychology and Behaviour*, 109, 1170-1181. <https://doi.org/10.1016/j.trf.2025.01.035>
- Wang, K.***, Lim, G. J., Race, B., Zhang, Y. J., Gao, L., & Qiao, F. G. (2025). Examining spatial patterns and economic interactions of logistics activities across three Texas metropolitan areas. *Journal of Transport Geography*, 123, 104079. <https://doi.org/10.1016/j.jtrangeo.2024.104079>

- 2024 Hu, S., **Wang, K.***, Li, L., Zhao, Y., & He, Z., & Zhang., Y. (2024). Multi-crowdsourced Data Fusion for Modeling Link-level Traffic Resilience to Extreme Weather Events. *International Journal of Disaster Risk Reduction*, 112, 104754. <https://doi.org/10.1016/j.ijdr.2024.104754>
- Zhu, P.*, Li, J., **Wang, K.**, & Huang, J. (2024). Exploring spatial heterogeneity in the impact of built environment on taxi ridership using multiscale geographically weighted regression. *Transportation*, 51(5), 1963-1997. <https://doi.org/10.1007/s11116-023-10933-1>
- Zhong, H., **Wang, K.***, Li, W., Burris, M. W., & Sinha, K. C. (2024). An urban-rural divide? Preferences for autonomous vehicles in small and mid-sized metropolitan areas. *Applied Geography*, 169, 103324. <https://doi.org/10.1016/j.apgeog.2024.103324>
- Liang, C., Sun, W., Shi, J.*, **Wang, K.**, Zhang, Y., & Lim, G. (2024). Decarbonizing Maritime Transport through Green Fuel-Powered Vessel Retrofitting: A Game-Theoretic Approach. *Journal of Marine Science and Engineering*, 12(7), 1174. <https://doi.org/10.3390/jmse12071174>
- Jin, T., **Wang, K.***, Xin, Y.*, Shi, J., Hong, Y., & Witlox, F. (2024). Is a 15-Minute City Within Reach? Measuring Multimodal Accessibility and Carbon Footprint in 12 Major American Cities. *Land Use Policy*, 142, 107180. <https://doi.org/10.1016/j.landusepol.2024.107180>
- Wang, K.*** (2024). Are Generation Z Less Car-Centric Than Millennials? A Nationwide Analysis Through the Lens of Youth Licensing. *Cities*, 149, 104951. <https://doi.org/10.1016/j.cities.2024.104951>
- Compostella, J.*, **Wang, K.**, Logansen, X., & Circella, G. (2024). Trips to the Grocery Store and Online Grocery Shopping: A Comparison of Individual Behaviors before and during the First Wave of the COVID-19 Pandemic. *Transportation Research Record: Journal of the Transportation Research Board*, 2678(12), 2156-2170. <https://doi.org/10.1177/03611981231172505>
- 2023 **Wang, K.**, Chen, Z., & Cheng, L.*, Zhu, P., Shi, J., & Bian, Z. (2023). Integrating spatial statistics and machine learning to identify relationships between e-commerce and distribution facilities in Texas, US. *Transportation Research Part A: Policy and Practice*, 173, 193696. <https://doi.org/10.1016/j.tra.2023.103696>
- Zhu, P.*, **Wang, K.**, Ho, S.N., & Tan, X. (2023). How is commute mode choice related to built environment in a high-density urban context? *Cities*, 134, 104180. <https://doi.org/10.1016/j.cities.2022.104180>
- Logansen, X.*, **Wang, K.**, Bunch, D., Matson, G., & Circella, G. (2023). Deciphering the factors associated with adoption of alternative fuel vehicles in California: An investigation of latent attitudes, socio-demographics, and neighborhood effects. *Transportation Research Part A: Policy and Practice*, 168, 103535. <https://doi.org/10.1016/j.tra.2022.10.012>
- Yousefi, N., **Wang, K.***, & Circella, G. (2023). Factors influencing the types of merchandise purchased online: Evidence from the 2018 California Survey of Emerging Transportation Trends. *Transportation Research Interdisciplinary Perspectives*, 17, 100734. <https://doi.org/10.1016/j.trip.2022.100734>
- Wang, K.***, Qian, X., Fitch, D.T., Lee, Y., Malik, J., & Circella, G. (2023). What travel modes do shared e-scooters displace? A review of recent research findings. *Transport Reviews*, 43(1), 5-31. <https://doi.org/10.1080/01441647.2021.2015639>

- Wang, K.*** & Akar, G. (2023). Will Millennials Drive Less as the Economy Recovers: A Postrecession Analysis of Automobile Travel Patterns. *Journal of Planning Education and Research*, 43(3), 598-616. <https://doi.org/10.1177/0739456X20911705>
- 2022 **Wang, K.***, Akar, G., Cheng, L., Lee, K., & Sanders, M. (2022). Investigating Level of Traffic Stress Tools for Evaluating Service and Improvement Opportunities on Bicycle Routes in Ohio. *Multimodal Transportation*, 1(4), 100040. <https://doi.org/10.1016/j.multra.2022.100040>
- Cheng, L., **Wang, K.***, De Vos, J., Huang, J., & Witlox, F. (2022). Exploring non-linear built environment effects on the integration of free-floating bike-share and urban rail transport: A quantile regression approach. *Transportation Research Part A: Policy and Practice*, 162, 175-187. <https://doi.org/10.1016/j.tra.2022.05.022>
- Chen, W., Liu, X., Chen, X.*, Cheng, L., **Wang, K.**, & Chen, J. (2022). Exploring year-to-year changes in station-based bike sharing commuter behaviors with smart card data. *Travel Behaviour and Society*, 28, 75-89. <https://doi.org/10.1016/j.tbs.2022.02.005>
- Jin, T., Cheng, L.*, **Wang, K.**, Cao, J., Huang, H., & Witlox, F. (2022). Examining equity in accessibility to multi-tier healthcare services across different income households using estimated travel time. *Transport Policy*, 121, 1-13. <https://doi.org/10.1016/j.tranpol.2022.03.014>
- Cheng, L., Jin, T.*, **Wang, K.**, Lee, Y., & Witlox, F. (2022). Promoting the integrated use of bikeshare and metro: A focus on the nonlinearity of built environment effects. *Multimodal Transportation*, 1(1), 1000024. <https://doi.org/10.1016/j.multra.2022.100004>
- Wang, K.**, Liu, H.*, Cheng, L., Bian, Z., & Circella, G. (2022). Assessing the role of shared mobility services in reducing travel-related greenhouse gases (GHGs) emissions: Focusing on America's young adults. *Travel Behaviour and Society*, 26, 301-311. <https://doi.org/10.1016/j.tbs.2021.10.005>
- 2021 Lei, D., Chen, X.*, Cheng, L., Zhang, L., Wang, P., & **Wang, K.** (2021). Minimum entropy rate-improved trip-chain method for origin-destination estimation using smart card data. *Transportation Research Part C: Emerging Technologies*, 130, 103307. <https://doi.org/10.1016/j.trc.2021.103307>
- Wang, K.** & Wang, X.* (2021). Generational differences in automobility: Comparing America's Millennials and Gen Xers using gradient boosting decision trees. *Cities*, 114, 103204. <https://doi.org/10.1016/j.cities.2021.103204>
- Ozbilen, B.*, **Wang, K.**, & Akar, G. (2021). Revisiting the Impacts of Virtual Mobility on Travel Behavior: An Exploration of Daily Travel Time Expenditures. *Transportation Research Part A: Policy and Practice*, 145, 49-62. <https://doi.org/10.1016/j.tra.2021.01.002>
- Zheng, S.*, Guldmann, J. M., Wang, Z., Qiu, Z., He, C., & **Wang, K.** (2021). Experimental and theoretical study of urban tree instantaneous and hourly transpiration rates and their cooling effect in hot and humid area. *Sustainable Cities and Society*, 68, 102880. <https://doi.org/10.1016/j.scs.2021.102880>

Published Prior to UH

- 2020 **Wang, K.*** & Ozbilen, B. (2020). Synergistic and threshold effects of teleworking and residential location choice on travel time allocation. *Sustainable Cities and Society*, 63, 102468. <https://doi.org/10.1016/j.scs.2020.102468>
- Wang, K.***, Akar, G., Lee, K., & Sanders, M. (2020). Commuting patterns and bicycle level of traffic stress (LTS): Insights from spatially aggregated data in Franklin County, Ohio. *Journal of Transport Geography*, 86, 102751. <https://doi.org/10.1016/j.jtrangeo.2020.102751>
- Wang, K.*** & Chen, Y. J. (2020). Joint analysis of the impacts of built environment on bikeshare station capacity and trip attractions. *Journal of Transport Geography*, 82, 102603. <https://doi.org/10.1016/j.jtrangeo.2019.102603>
- 2019 **Wang, K.*** & Akar, G. (2019). Effects of neighborhood environments on perceived risk of self-driving: evidence from the 2015 and 2017 Puget Sound Travel Surveys. *Transportation*, 46(6), 2117-2136. <https://doi.org/10.1007/s11116-019-10069-9>
- Wang, K.*** & Akar, G. (2019). Gender gap generators for bike share ridership: Evidence from Citi Bike system in New York City. *Journal of Transport Geography*, 76, 1-9. <https://doi.org/10.1016/j.jtrangeo.2019.02.003>
- Salon, D.*, Conway, M. W., **Wang, K.**, & Roth, N. (2019). Heterogeneity in the relationship between biking and the built environment. *Journal of Transport and Land Use*, 12(1), 99-126. <https://doi.org/10.5198/jtlu.2019.1350>
- Wang, K.*** & Akar, G. (2019). Factors affecting the adoption of autonomous vehicles for commute trips: An analysis with the 2015 and 2017 Puget Sound Travel Surveys. *Transportation Research Record: Journal of the Transportation Research Board*, 2673(2), 13-25. <https://doi.org/10.1177/0361198118822293>
- 2018 **Wang, K.*** & Akar, G. (2018). Street intersection characteristics and their impacts on perceived bicycling safety. *Transportation Research Record: Journal of the Transportation Research Board*, 2672(46), 41-54. <https://doi.org/10.1177/0361198118801349>
- Wang, K.*** & Akar, G. (2018). The perceptions of bicycling intersection safety by four types of bicyclists. *Transportation Research Part F: Traffic Psychology and Behaviour*, 59, 67-80. <https://doi.org/10.1016/j.trf.2018.08.014>
- Wang, K.**, Akar, G.*, & Chen, Y. J. (2018). Bike sharing differences among Millennials, Gen Xers, and Baby Boomers: Lessons learned from New York City's bike share. *Transportation Research Part A: Policy and Practice*, 116, 1-14. <https://doi.org/10.1016/j.tra.2018.06.003>

Conference Proceedings

- 2025 Wang, Y., **Wang, K.**, & Zhang, J. Y. (2025, May). Analyzing the Spatiotemporal Dynamics and Social Influences on the Transportation Cybersecurity Industry Through a Business Visitor Flow Perspective. In *2025 IEEE Security and Privacy Workshops (SPW)* (pp. 307-313). <https://doi.org/10.1109/SPW67851.2025.00043>
- 2023 Zhang, J., Liang, C., Shi, J., Lim, G. J., Pan, Y., **Wang, K.**, & Dong, S. Z. (2023). Assessment of Port Resilience: An Analytical Framework based on Transportation and Electrical Power Network Coupling. In *2023 IEEE Electric Ship Technologies Symposium (ESTS)* (pp. 248-257). <https://doi.org/10.1109/ESTS56571.2023.10220566>

Zhang, Y. J., **Wang, K.**, Song, L., Landasse, A., Song, H. H., Han, Z., Verma, R., Silva, A., Rubio-Medrano, C., Li, Z. R., & Zhang, G. (2023, May). USDOT Tier-1 University Transportation Center for Advancing Cybersecurity Research and Education. In *2023 IEEE International Conference on Mobility, Operations, Services and Technologies (MOST)* (pp. 237-241). <https://doi.org/10.1109/MOST57249.2023.00036>

Book Chapters and Reviews

- 2021 Li, X., **Wang, K.**, & Chen, Z. (2021). Regional Economic Impacts of Trans-Caspian Infrastructure Improvement: Implications for the Post-COVID-19 Era. *Unlocking Transport Connectivity in the Trans-Caspian Corridor*. Azh-galiyeva D., and Kalyuzhnova, Y. (Eds.), Asian Development Bank Institute: Tokyo. [Link](#)
- 2020 **Wang, K.** & Chen, Z. (2020). Infrastructure and Regional Economic Growth in the One Belt and One Road Regions: A Dynamic Shift-Share Approach, *Development Studies in Regional Science: Essays in Honor of Kingsley E. Haynes*, Chen, Z., Bowen, W. and Whittington, D. (Eds.), Springer: Singapore. 221-241. [Link](#)
- 2018 **Wang, K.** (2018). Review of “Modeling Cities and Regions as Complex Systems: From Theory to Planning Applications” (edited by Leslie Dunn and Robert Dunn). *The Review of Regional Studies*, 48, 137–144. [Link](#)

Selected Honors and Awards

- 2025 Best Paper Award, TRB Urban Transportation Data and Information Systems Committee (AED20)
- 2024 50-in-5 Faculty Achievement (A major grant during 2022–2023), UH
- 2023 Provost’s Faculty Travel Fund, UH
- 2022 Top 10 Most Cited Articles published in the *Journal of Transport Geography* during 2018–2020 (As of 7 January 2022)
- 2022 Top 10 Most Cited Articles published in the *Transportation Research Part A: Policy and Practice* in 2018 (As of 5 January 2022)
- 2021, 2022 Outstanding Reviewer for *Transportation Research Part D: Transport and Environment*, Elsevier
- 2021 Outstanding Reviewer for *Journal of Transport Geography*, Elsevier
- 2020 Patricia Burgess Award for the Best Dissertation, Knowlton School, OSU
- 2019 ACSP Student Travel Award, Association of Collegiate Schools of Planning
- 2017–2018 Student Travel Grants, Knowlton School, OSU
- 2016 IACP Karen R. Polenske Best Student Paper Award
- 2016, 2017 IACP Travel Awards, International Association for China Planning
- 2016 CURA Travel Grant, Center of Urban and Regional Analysis, OSU
- 2015–2016 Walter H. Kidd – AHR Scholarships, Knowlton School, OSU
- 2015–2016 University Graduate Fellowships, College of Engineering, OSU

Selected Media Coverage and Public Scholarship

Research featured in media outlets covering behaviorally informed infrastructure systems, urban mobility, energy transition, and AI-enabled transportation systems.

- 05/15/2026 “Privacy concerns raised as Houston approves second AI traffic camera purchase” – by Lileana Pearson, ABC13 Houston. <https://abc13.com/post/privacy-concerns-raised-houston-approves-second-ai-traffic-camera-purchase/19095721/>
- 04/07/2026 “Houston City Council considers expanding use of AI traffic signals to ease congestion, improve safety” – by Ryan Nickerson, Houston Chronicle. <https://www.houstonchronicle.com/news/houston-texas/article/houston-ai-intersections-22191893.php>
- 02/24/2026 “Unlocking the “Urban Mine”: UH Researchers Map a Path to U.S. Mineral Sovereignty Through E-Waste” – by J.J. Adams, UH Newsrooms, UH Home. <https://www.uh.edu/news-events/stories/2026/february/recycling-e-waste-research.php>
- 02/18/2026 “New Study Calls for Human-Centered Approach to Digitalization in the Global Energy Transition” – by Binita Roy, Energy News, UH Home. <https://www.uh.edu/energy/news/stories/2026/new-study-calls-for-human-centered-approach-to-digitalization-in-energy-transition.php>
- 07/28/2025 “ISE’s Wang and Team Awarded \$400K TCRP Grant to Advance Cybersecurity in Public Transportation” – by Stephen Greenwell, Newsroom, UH Cullen College of Engineering. <https://www.egr.uh.edu/news/202507/ise%E2%80%99s-wang-and-team-awarded-400k-tcrp-grant-advance-cybersecurity-public-transportation>
- 07/02/2025 “Wayne State professor awarded National Academies grant to boost transit customer satisfaction with AI-powered platform” – by Julie O’Connor, News and Announcements, Wayne State research. <https://research.wayne.edu/news/wayne-state-professor-awarded-national-academies-grant-to-boost-transit-customer-satisfaction-with-ai-powered-platform-66737>
- 05/01/2025 “Public comment closes for Polk Street with no traffic study. Volunteers step in to do it themselves” – by Ryan Nickerson, Houston Chronicle. <https://www.houstonchronicle.com/news/houston-texas/transportation/article/polk-street-traffic-study-convention-center-20300630.php/>
- 06/12/2024 “METRO ridership rising, still lower than prepandemic” – by David Mercado and Georgia Faust, Community Impact. <https://communityimpact.com/houston/katy-north/transportation/2024/06/12/metro-ridership-rising-still-lower-than-prepandemic/>
- 06/03/2024 “Zoomers Are Less Likely to Get Drivers Licenses — But They May Not Shift America’s Transportation Culture” – by Kea Wilson, Streetsblog USA. <https://usa.streetsblog.org/2024/06/03/zoomers-are-less-likely-to-get-drivers-licenses-but-they-may-not-shift-americas-transportation-culture>
- 04/30/2024 “8 years into America’s e-scooter experiment, what have we learned?” – by Syris Valentine, Yale Climate Connections. <https://yaleclimateconnections.org/2024/04/8-years-into-americas-e-scooter-experiment-what-have-we-learned/>

Professional Leadership and Scholarly Service

Editorial Services

- 2026– Handling Editor, *Transportation Research Record: Journal of the Transportation Research Board*
- 2023– Editorial Board Member, *Journal of Transport Geography*
- 2023– Editorial Board Member, *Transportation Research Interdisciplinary Perspectives*
- 2025 Paper Review Coordinator, Transportation Planning Section (AEP00), The Transportation Research Board (TRB) 105th Annual Meeting
- 2024–2025 Guest Editor, *Journal of Transport Geography*, SI: Opportunities and Challenges of New Mobility Technologies
- 2023 Guest Editor, *Transport Economics and Management*, SI: Building Equitable and Resilient Transportation Infrastructure Systems
- 2022 Paper Review Coordinator, Standing Committee on Bicycle Transportation (ACH20), The Transportation Research Board (TRB) 102nd Annual Meeting

International Conference Committee Member

- 2025– Committee Member, National Academies of Science, TRB Standing Committee Transportation Planning Policy and Analysis (AEP11)
- 2025 Organizing Committee on the 1st Workshop on Securing Next-Generation Intelligent Transportation Systems (SecureTrans 2025), San Francisco, CA
- 2024 Organizing Committee on the CYBER-CARE Annual Symposium 2024, Houston, TX
- 2024 Technical Program Committee on the IEEE International Conference on Mobility: Operations, Services, and Technologies (MOST 2024), Dallas, TX
- 2023–2026 Co-Chair, Technical Committee GH0404-Passenger Intermodal Transportation, Section GH04-Comprehensive Transportation Planning of Transportation Planning Division of The 3rd World Transport Convention (WTC) Academic Sub-Committee
- 2023–2026 Co-Chair, Technical Committee GH0203-Traffic Behaviour Modeling and Transport Policy Analysis, Section GH02-Travel Behaviour Analysis and Modelling of Transportation Planning Division of The 3rd World Transport Convention (WTC) Academic Sub-Committee
- 2021–2024 Committee Member, National Academies of Science, TRB Standing Committee on Bicycle Transportation (ACH20)
- 2019–2025 Committee Member, National Academies of Science, TRB Standing Committee on Innovative Public Transportation Services and Technologies (AP020)

Discussant, Facilitator or Session Chair

- 10/2025 “Transit Ridership + Planning” lecture session, the 65th Association of Collegiate Schools of Planning (ACSP) Annual Conference, Minneapolis, MN
- 10/2025 “Digital Urbanism” lecture session, the 65th Association of Collegiate Schools of Planning (ACSP) Annual Conference, Minneapolis, MN
- 10/2024 “Advanced Data Analytics for Energy Transition” lecture session under the Data Mining Society, the 2024 INFORMS Annual Meeting, Seattle, WA
- 05/2024 “Breakout Session: Cybersecurity in AI-Enabled Transportation Systems”, AI in Motion Shaping the Future of Mobility and Safety Symposium, Austin, TX

- 01/2024 “Cybersecure Transit: Innovation at the Intersection of AI, IoT, and Smart Mobility”, the 1st workshop of CYBER-CARE, Washington, DC
- 09/2021 “Exploring nonlinear relationships with machine learning” roundtable discussion, the 15th International Association for China Planning (IACP) Annual Conference (virtual meeting)
- 11/2020 “Travel Choices and Urban Transportation” lecture session, the 60th Association of Collegiate Schools of Planning (ACSP) Annual Conference (virtual meeting)

Peer-Review Referee

Regular reviewer for 35+ journals: *Applied Geography, Case Studies on Transport Policy, Cities, Computational Urban Science, Computers and Electrical Engineering, Computers, Environment and Urban Systems, IEEE Transactions on Intelligent Transportation Systems, International Journal of Sustainable Transportation, ISPRS International Journal of Geo-Information, Journal of Environmental Planning and Management, Journal of Planning Education and Research, Journal of Planning Literature, Journal of Public Transportation, Journal of Transport and Land Use, Journal of Transport Geography, Landscape and Urban Planning, Nature Cities, Regional Studies, Research in Transportation Business & Management, Scientific Reports, Sustainability (Sustainable Transportation section), Sustainable Cities and Society, The Annals of Regional Science, Transport Economics and Management, Transport Policy, Transport Reviews, Transportation, Transportation Research Interdisciplinary Perspectives, Transportation Research Part A: Policy and Practice, Transportation Research Part B: Methodological, Transportation Research Part D: Transport and Environment, Transportation Research Part E: Logistics and Transportation Review, Transportation Research Record/Transportation Research Board Annual Conference, Transportmetrica A: Transport Science, Travel Behaviour and Society, Urban Studies, and Utilities Policy.*

National and International Research Review Invitations and Service

- 2026 Invited Reviewer, Natural Sciences and Engineering Research Council of Canada (NSERC), Alliance Advantage and Society Grants
- 2025–2026 Panel Member, Transit Cooperative Research Program (TCRP) J-7/Topic SA-67, *Measuring the Success of Bus Transit Network Redesigns*
- 2024 Merit Review Panelist, NSF Leading Engineering for America’s Prosperity, Health, and Infrastructure (LEAP HI) Program
- 2024 Merit Review Panelist, NSF Smart and Connected Communities (S&CC) Program

University/Departmental Services at UH

- 2021–2023 COT Faculty Committee Member, Graduate Academic Committee
- 2021–2022 Search Committee Member, Assistant Professor of Construction Management
- 2021–2022 Search Committee Member, Assistant/Associate Professor of Supply Chain and Logistics Technology

Teaching, Mentorship, and Research Training

PhD Students Supervised

- FA 2025– Jinghang Gao, PhD in Industrial and Systems Engineering, UH - Committee Chair
- FA 2024– Chuyue Wang, PhD in Industrial and Systems Engineering, UH - Committee Chair (co-supervised with Dr. Jian Shi)

- FA 2024– Yixuan Huang, PhD in Industrial and Systems Engineering, UH - Committee Chair
- SP 2024– Yuhao Wang, PhD in Industrial and Systems Engineering, UH - Committee Chair

Selected Student Achievements

- 2025 PVF Roundtable Scholarships, Department of Industrial and Systems Engineering, Cullen College of Engineering, UH: Chuyue Wang
- 2024 Outstanding Teaching Assistant for 2023–2024, Cullen College of Engineering, UH: Hima Naga Sai Srikar (three recipients in total)
- 2023 Graduate Student Excellence for 2022–2023, Technology Division at the Cullen College of Engineering, UH: Bethel Mbakaogu (one recipient only)

Instructor of Record at UH

- SCLT 3384 Logistics Technology and Processes (undergraduate, required)
- SCLT 6316 Global Supply Chain Logistics (graduate, required)
- SCLT 6320 Procurement Strategies (graduate, required)
- SCLT 6397 Selected Topics: Urban Informatics for Logistics Management (new developed)

Lab Instructor/Graduate Teaching Associate (full lab responsibilities and duties)

- FA 2019– Mentor and advise graduate and undergraduate students, 3 Revolutions Future
- SP 2025 Mobility Program, ITS-Davis
- SP 2018 CRPLAN 6500 Planning Techniques, Graduate level (required), OSU

Guest Lectures

- FA 2020 TTP 289A-003 Travel Survey Workshop, Institute of Transportation Studies, UC Davis (Invited by Dr. Giovanni Circella; Topic: R Bootcamp)
- SP 2022 PPOL5240 Advanced Analytical Methods for Public Policy, Division of Public Policy, HKUST (Invited by Dr. Pengyu Zhu; Topic: Machine Learning Basics for Policy Analysis)

Sponsored Graduate Research/Teaching Assistant

Supervised 18 graduate research and teaching assistants, including one PhD student (Behnam Sabzi, SP 2024) and one visiting international scholar (Hajar El Gadi, Mohammed V University, Morocco, SP 2024), across Industrial and Systems Engineering, Construction Management, and Computer Science programs (2021–2025)

Supervised Internship in Logistics (professional paper for MS in SCLT graduation)

- FA 2023 Raymond S Atiata, Mohamed Shafeen Jahir Husain, Bethel Mbakaogu, Shahrukh Siddiq, Bryan Thai, & Ananda Yuvaraj
- SP 2022 Poorva Dangayach

Selected Conference Presentations/Posters

- 01/2026 Qian, X., Nayeem, N. R., & Wang, K. “Transit IDEA Project T-110: Leveraging AI to Enhance Transit Operations and Improve Customer Satisfaction”, 105th Annual Meeting of the Transportation Research Board (TRB), Washington, DC.

- 01/2026 Guo, J., Li, Z., Xu, Y., Wei, H., Ahmed, M. M., Ash, H., Zhang, G., Zhang, Y., & Wang, K. "Characterizing Driver's Vulnerability under Cyberattacks at A Connected Intersection", 105th Annual Meeting of the Transportation Research Board (TRB), Washington, DC.
- 01/2026 Chen, C., Li, Z., Guo, J., Wei, H., Ahmed, M. M., Ash, H., Zhang, G., Zhang, Y., & Wang, K. "Driving Behaviors at Pedestrian-Interactive Intersections under Cyberattacks: Safety Categorization and Trajectory Prediction", 105th Annual Meeting of the Transportation Research Board (TRB), Washington, DC.
- 01/2026 Wang, J., Wang, K., & Akar, G. "Is Autonomous Vehicle Technology Improving Safety? – Comparing to Advanced Driver Assistance Systems by Two Stage Causal Machine Learning Analysis", 105th Annual Meeting of the Transportation Research Board (TRB), Washington, DC.
- 01/2026 Wang, C., Shi, J., & Wang, K. "Optimizing Transportation Networks for E-Waste Reverse Logistics: A Multi-Modal Cost Allocation and Pricing Strategy", 105th Annual Meeting of the Transportation Research Board (TRB), Washington, DC.
- 01/2026 Huang, Y., Wang, K., & Shi, J. "Designing a Multi-Period Model for Economic and Low-Carbon Hydrogen Transportation", 105th Annual Meeting of the Transportation Research Board (TRB), Washington, DC.
- 01/2026 Huang, Y., Shi, J., Wang, K., Talakanti, B., & Powell, J. "Impact Analysis of The One, Big, Beautiful Bill (OB BB) on Hydrogen Production Pathways in Texas", 105th Annual Meeting of the Transportation Research Board (TRB), Washington, DC.
- 10/2025 Wang, Y., & Wang, K. "The Geography of Transportation Cybersecurity: Visitor Flows, Industry Clusters, and Spatial Dynamics", 2025 INFORMS Annual Meeting, Atlanta, GA.
- 01/2025 Jin, T., Wang, K., Xin, Y., Shi, J., Hong, Y., & Witlox, F. "Evaluating the Potential of the '15-Minute City' Concept in the United States via Activity-Based Mobility Patterns", 104th Annual Meeting of the Transportation Research Board (TRB), Washington, DC.
- 01/2025 Jin, T., Cao, J., Zhang, J., Wang, K., Cheng, L., & Witlox, F. "Unraveling Disparities in People's Activity Space Patterns at a National Scale Using Mobile Location Data", 104th Annual Meeting of the Transportation Research Board (TRB), Washington, DC.
- 01/2025 Wang, K., & De Vos, J. "Trends in Leisure and Shopping Travel: From Pre-Pandemic to Post-COVID-19 Pandemic", 104th Annual Meeting of the Transportation Research Board (TRB), Washington, DC.
- 01/2025 Sabzi, B., Zhang, Y., Lim, G., & Wang, K. "Analyzing the Heterogeneous Effects of System Security Concerns on the Adoption of Autonomous Vehicles (AVs) Using Generalized Random Forests", 104th Annual Meeting of the Transportation Research Board (TRB), Washington, DC.
- 07/2024 De Vos, J., Cheng, L., Cao, M., Wang, K., & El-Geneidy. "Ease of travel, travel behaviour and travel satisfaction", 17th International Conference on Travel Behavior Research, Vienna, Austria.
- 01/2024 Hu, S., Wang, K., Li, L., Zhao, Y., He, X., & Zhang, Y.J. "Modeling Link-level Road Traffic Resilience to Extreme Weather Events Using Crowdsourced Data", 103rd Annual Meeting of the Transportation Research Board (TRB), Washington, DC.

- 01/2024 Wang, K., Zhang, Y.J., Race, B., Gao, L., & Qiao, F.G. “A spatial panel analysis of warehouse location choice, e-commerce facilities, logistics businesses, and supply chain entities in the three metropolitan areas of Texas, US”, 103rd Annual Meeting of the Transportation Research Board (TRB), Washington, DC.
- 01/2024 Jin, T., Wei, X., Cheng, L., Xin, Y., Wang, K., & Witlox, F. “Applying Machine Learning and Google Street View (GSV) to Explore the Impact of Built Environment Factors on Bike-Sharing Usage for Older Adults in Chicago”, 103rd Annual Meeting of the Transportation Research Board (TRB), Washington, DC.
- 01/2024 Jena, A., Kothawala, A., Ozbilen, B., Wang, K., Lee, Y., Saridakis, C., Wadud, Z., Yang, Y., Grant-Muller, S., Castellanos, S., & Circella, G. “Understanding Factors Influencing User Retention in EU Shared E-scooter Schemes”, 103rd Annual Meeting of the Transportation Research Board (TRB), Washington, DC.
- 01/2024 Yang, Y., Saridakis, C., Wadud, Z., Kothawala, A., Jena, A., Ozbilen, B., Wang, K., Circella, G., Castellanos, S., & Grant-Muller, S. “Unraveling E-Scooter Rider Types in the United States: A Latent Class Cluster Analysis”, 103rd Annual Meeting of the Transportation Research Board (TRB), Washington, DC.
- 10/2023 Wang, K. “Explainable Artificial Intelligence (XAI) for Identifying Factors Linked to Youth Licensing”, 63rd Association of Collegiate Schools of Planning (ACSP) Annual Conference, Chicago, IL.
- 01/2023 Ahmad, M., Wang, K., Mohiuddin, H., Broaddus, A., Fortier, M., & Circella, G. “Do Shared E-Scooters Encourage Transit Use? Investigating the Factors Affecting the Connection Between E-Scooters and Transit using Trip and Survey Data from 20 US Cities”, 102nd Annual Meeting of the Transportation Research Board (TRB), Washington, DC.
- 01/2023 Wang, K., Cheng, L., & Chen, Z. “Warehousing Location Choice in the E-Commerce Era: A Novel Analytical Framework for the Integration of Spatial Statistics and Interpretable Machine Learning”, 102nd Annual Meeting of the Transportation Research Board (TRB), Washington, DC.
- 01/2023 Zhu, P., Li, J., Wang, K., & Huang, J. “Exploring Spatial Heterogeneity in the Built Environment Effects on Taxi Ridership Using Multiscale Geographically Weighted Regression (MGWR)”, 102nd Annual Meeting of the Transportation Research Board (TRB), Washington, DC.
- 01/2023 Jin, T., Cheng, L., Wang, K., Cao, J., Huang, H., & Witlox, F. “Examining Equity in Accessibility to Multitier Healthcare Services across Different Income Households Using Estimated Travel Time”, 102nd Annual Meeting of the Transportation Research Board (TRB), Washington, DC.
- 06/2022 Wang, K., Cheng, L., & Chen, Z. “Warehousing location choice in the e-commerce era: A novel analytical framework by integrating spatial statistics and machine learning algorithms”, 16th International Association for China Planning (IACP) Conference (virtual).
- 01/2022 Cheng, L., Wang, K., De Vos, J., & Huang, J. “How Does Free-floating Bike-sharing Integrate with Urban Rail Transport? Analysing the Nonlinear Effects of the Built Environment”, 101st Annual Meeting of the Transportation Research Board (TRB), Washington, DC.
- 01/2022 Yousefi, N., Wang, K., & Circella, G. “What Do You Purchase Online And Who You Are: Empirical Evidence From The 2018 California Survey Of Emerging Transportation Trends”, 101st Annual Meeting of the Transportation Research Board (TRB), Washington, DC.

- 01/2021 Wang, K., Qian, X., Circella, G., Lee, Y., Malik, J., & Fitch, D. T. “What Mobility Modes Do Shared E-Scooters Displace? A Review of Recent Research Findings”, 100th Annual Meeting of the Transportation Research Board (TRB) (virtual).
- 01/2021 Wu, X., Wang, K., Bunch, D., Circella, G., & Matson, G. “Deciphering the Factors Associated with the Adoption of Alternative Fuel Vehicles: An Investigation of Latent Attitudes and Supply-side Determinants”, 100th Annual Meeting of the Transportation Research Board (TRB) (virtual).
- 11/2020 Wang, K., Circella, G., Castellanos, S., Grant-Muller, S., Saridakis, C., Qian, X., & Alemi, F. “Understanding and influencing the uptake of micromobility modes”, 60th Association of Collegiate Schools of Planning (ACSP) Annual Conference (virtual).
- 01/2020 Wang, K. “Synergistic effects of telecommuting and the built environment on sustainable travel”, 99th Annual Meeting of the Transportation Research Board (TRB), Washington, DC.
- 01/2020 Akar, G., Lee, K., Sanders, M., & Wang, K. “Investigating Tools for Evaluating Service and Improvement Opportunities on Bicycle Routes in Ohio”, 99th Annual Meeting of the Transportation Research Board (TRB), Washington, DC.
- 01/2020 Akar, G., Wang, K., Lee, K., & Sanders, M. “Commuting mode choices and bicycle level of traffic stress: Findings from the Franklin County, Ohio”, 99th Annual Meeting of the Transportation Research Board (TRB), Washington, DC.
- 10/2019 Wang, K., & Akar, G. “Will Millennials Drive Less as the Economy Recovers: A Nationwide Longitudinal Study”, 59th Association of Collegiate Schools of Planning (ACSP) Annual Conference, Greenville, SC.
- 10/2019 Akar, G., Wang, K., Lee, K., & Sanders, M. “Investigating Tools for Evaluating Bicycling Comfort and Safety”, 59th Association of Collegiate Schools of Planning (ACSP) Annual Conference, Greenville, SC, October.
- 06/2019 Wang, K., & Chen, Z. “Infrastructure and Regional Economic Growth in the One Belt and One Road Regions: A Dynamic Shift-Share Approach”, 13th International Association for China Planning (IACP) Conference, Chengdu, China.
- 01/2019 Wang, K., & Akar, G. “Gender Gap Generators for Bike Share Ridership: Evidence from Citi Bike System in New York City”, 98th Annual Meeting of the Transportation Research Board (TRB), Washington, DC.
- 01/2019 Wang, K., & Akar, G. “Factors Affecting the Adoption of Autonomous Vehicles for Commute Trips: An Analysis with the 2015 and 2017 Puget Sound Travel Surveys”, 98th Annual Meeting of the Transportation Research Board (TRB), Washington, DC.
- 01/2019 Wang, K., & Akar, G. “Effects of Neighborhood Environments on Perceived Risk of Self-driving: Evidence from the 2015 and 2017 Puget Sound Travel Surveys”, 98th Annual Meeting of the Transportation Research Board (TRB), Washington, DC.
- 07/2018 Salon, D., Conway, M.W., Wang, K., & Roth, N. “Heterogeneity in the relationship between biking and the built environment”, 15th International Conference on Travel Behavior Research, Santa Barbara, CA.
- 01/2018 Wang, K., & Akar, G. “Street Intersection Characteristics and Their Impacts on Perceived Bicycling Safety”, 97th Annual Meeting of the Transportation Research Board (TRB), Washington, DC.

- 01/2018 Wang, K., Akar, G., & Chen, Y. J. “Joint Analysis of the Impacts of Built Environment and Bike Share Station Capacity on Trip Attractions”, 97th Annual Meeting of the Transportation Research Board (TRB), Washington, DC.
- 10/2017 Wang, K., & Akar, G. “Street Intersection Characteristics and Their Impacts on Perceived Bicycling Safety”, 57th Association of Collegiate Schools of Planning (ACSP) Annual Conference, Denver, CO.
- 10/2017 Akar, G., Chen, Y.J., & Wang, K. “Joint Analysis of the Impacts of Built Environment and Bike Share Station Capacity on Trip Attractions”, 57th Association of Collegiate Schools of Planning (ACSP) Annual Conference, Denver, CO.
- 07/2017 Wang, K., Akar, G., & Chen, Y. J. “Cohort Differences in Bike Sharing Demand: Lessons Learnt from New York CitiBike System”, 11th International Association for China Planning (IACP) Conference, Harbin, China.
- 01/2017 Wang, K., Salon, D., Roth, N., & Handy, S. “The Relationship between Bicycling and The Built Environment Revisited: New Evidence from California”, 96th Annual Meeting of the Transportation Research Board (TRB), Washington, DC.
- 11/2016 Wang, K., Akar, G., & Salon, D. “Neighborhood Environments and Schoolchildren’s Bicycling: A Gender-based Hierarchical Model with Spatial Spillover Effects”, 56th Association of Collegiate Schools of Planning (ACSP) Annual Conference, Portland, OR.
- 06/2016 Wang, K., Akar, G., & Salon, D. “Neighborhood Environments and Schoolchildren’s Bicycling: A Gender-based Hierarchical Model with Spatial Spillover Effects”, 10th International Association for China Planning (IACP) Conference, Beijing, China.

Selected Workshops and Other Talks

- 01/2026 “Planning for Next-Generation Transportation Systems: People, Space, and Networks”, Research Seminar, Department of Landscape Architecture and Urban Planning, Texas A&M University
- 02/2025 “Planning: CRISES: Center Consortium on Global Climate Risks and Resilient Childhoods” Workshop, University of Pennsylvania
- 07/2024 “How AI Empowers Interdisciplinary Transportation Research?”, AI for Cities Forum (virtual), College of Architecture and Urban Planning, Tongji University, China
- 02/2024 “Interdisciplinary Insights Into Next-Generation Mobility Solutions”, Research Seminar, School of City and Regional Planning, Georgia Institute of Technology
- 11/2022 “The Integrated Use of Dockless Bikes sharing and Urban Rail Transport in the Chinese Context”, Future Mobility, Automation, and Transit Research Workshop at University of California, Davis
- 10/2022 “Introduction to Dr. K. Wang Research”, Supply Chain and Logistics Technology Program, University of Houston. <https://www.youtube.com/watch?v=A4QW9eSaP1w>
- 06/2021 “Generational Trends in Travel Mode Choice”, Transportation Data Science Seminar Series (virtual), Department of Landscape Architecture and Urban Planning, Transportation Institute, and Institute of Data Science at Texas A&M University
- 03/2021 “Virtual Mobility, Residential Location Choice, and Out-of-home Activities: Implications for the Post-COVID-19 Era”, Research Seminar (virtual), Department of Construction Management, University of Houston

- 10/2020 “What Mobility Modes Do Shared E-Scooters Displace? A Review of Recent Research Findings”, Sustainable Transportation Energy Pathways Program Seminar (virtual), Institute of Transportation Studies, University of California, Davis
- 06/2020 “Exploring Pathways to Sustainable Mobility in the Era of Big Data”, Research Seminar (virtual), Department of Construction Management, University of Houston
- 01/2020 “Virtual Mobility and Travel-related Carbon Dioxide Emissions”, Joint Meeting of the Shared-Use Vehicle & Ridesharing Solutions Subcommittee at the 99th Annual Meeting of the Transportation Research Board (TRB), Washington, DC.
- 10/2019 “Gender Gap in Bike Sharing Ridership: Evidence from NYC Citi Bike System”, 3 Revolutions Future Mobility Research Workshop, Institute of Transportation Studies, University of California, Davis.
- 09/2017 “Street Intersection Characteristics and Their Impacts on Perceived Bicycling Safety”, Ph.D. Seminar Series, Knowlton School, The Ohio State University.