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CURRENT APPOINTMENT

2019- Assistant Professor, National University of Singapore
Department of Real Estate, School of Business (2021-)
Department of Real Estate, School of Design and Environment (2019-2021)

AFFILIATIONS

2019- NUS Institute of Real Estate and Urban Studies
2019- NUS Center of Family and Population Research

PREVIOUS APPOINTMENTS

2017-2019 Postdoctoral Fellow, University of California, Berkeley, USA
Institute of Urban and Regional Development

EDUCATION

2017 University of Southern California, Price School of Public Policy, USA
Ph.D. in Urban Planning and Development
2012 University of Minnesota, Humphrey School of Public Affairs, USA
Master in Urban and Regional Planning
2010 Peking University, China
B.E. in Urban Planning and B.A. in Economics (with distinctions)

RESEARCH INTERESTS

Urban planning and policy, urban health, transport policy, sustainable development

PUBLICATIONS (Note: "*" indicates corresponding author)

Journal Articles

- 2025 Ju, Y., Liang, Y., Kong, J., Wang, X.L., Wen, S., Shang, H., & **Wang, X.*** "100-m resolution Age-Stratified Population Estimation from the 2020 China Census by Township (ASPECT)," *Scientific Data*, [doi:10.1038/s41597-025-05401-1](https://doi.org/10.1038/s41597-025-05401-1) [IF: 6.9]
- 2025 Moore, K.* et al., "Harmonized health survey data for 240 cities across 11 countries in Latin America: the SALURBAL project" *International Journal of Epidemiology*, 54(1), dyae171, [doi:10.1093/ije/dyae171](https://doi.org/10.1093/ije/dyae171) [IF: 5.9]
- 2023 **Wang, X.*** & Renne, J.L., "Socioeconomics of Urban Travel in the U.S.: Evidence from the 2017 NHTS." *Transportation Research Part D: Transport & Environment*, 116, 103622, [doi:10.1016/j.trd.2023.103622](https://doi.org/10.1016/j.trd.2023.103622) [IF: 7.7]
- 2023 **Wang, X.** & Liu, T.*, "Home-Made Blues: Residential Crowding and Mental Health in Beijing, China." *Urban Studies*, 60(3), 461-482, [doi:10.1177/00420980221101707](https://doi.org/10.1177/00420980221101707) [IF: 4.1]

- 2022 **Wang, X.** & Liu, T.*, "The Roads One Must Walk Down: Journey to work and depression for Beijing's residents." *Transportation Research Part D: Transport & Environment*, 109, 103316. [doi:10.1016/j.trd.2022.103316](https://doi.org/10.1016/j.trd.2022.103316) [IF: 7.7]
- 2022 **Wang, X.**, "Impact of Health on Driving for America's Older Adults: A Nationwide, Longitudinal Study." *Transport Policy*, 120, 69-79. [doi:10.1016/j.tranpol.2022.02.005](https://doi.org/10.1016/j.tranpol.2022.02.005) [IF: 5.3]
- 2022 Delclòs-Alió X.* et al., "Is city-level travel time by car associated with individual obesity or diabetes in Latin American cities? Evidence from 178 cities in the SALURBAL project." *Cities*, 131, 1030899. [doi:10.1016/j.cities.2022.103899](https://doi.org/10.1016/j.cities.2022.103899) [IF: 6.6]
- 2022 Guimarães J.M. et al., "City-Level Travel Time and Individual Dietary Consumption in Latin American Cities: Results from the SALURBAL Study." *International Journal of Environmental Research and Public Health*, 19(20), 13443. [doi:10.3390/ijerph192013443](https://doi.org/10.3390/ijerph192013443) [IF: 4.6]
- 2021 **Wang, X.***, Rodriguez, D. A., & Mahendra, A., "Support for market-based and command-and-control congestion relief policies in Latin American cities: Effects of mobility, environmental health, and city-level factors." *Transportation Research Part A: Policy & Practice*, 146, 91-108. [doi:10.1016/j.tra.2020.12.004](https://doi.org/10.1016/j.tra.2020.12.004) [IF: 6.8]
- 2021 Bilal, U.* et al., "Life expectancy and mortality in 363 cities of Latin America." *Nature Medicine*. [doi:10.1038/s41591-020-01214-4](https://doi.org/10.1038/s41591-020-01214-4) [IF: 50.0]
- 2021 Ju, Y.*, Moran, M., **Wang, X.**, Avila-Palencia, I., ... , Dronova, I., "Latin American cities with higher socioeconomic status are greening from a lower baseline: evidence from the SALURBAL project." *Environmental Research Letters* 16: 104052. [doi: 10.1088/1748-9326/ac2a63](https://doi.org/10.1088/1748-9326/ac2a63) [IF: 5.6]
- 2021 Wang, K. & **Wang, X.***, "Generational differences in automobility: Comparing America's Millennials and Gen Xers using Gradient-Boosting Decision Trees." *Cities*, 114, 103204. [doi:10.1016/j.cities.2021.103204](https://doi.org/10.1016/j.cities.2021.103204) [IF: 6.6]
- 2021 Sarmiento, O.* et al., "Built environment profiles for Latin American urban settings: The SALURBAL study." *PLoS One* 16 (10): e0257528. [doi:10.1371/journal.pone.0257528](https://doi.org/10.1371/journal.pone.0257528) [IF: 2.6]
- 2020 Vaz, C.*, Andrade, A. C., Silva, U., Rodríguez, D., **Wang, X.**, ... & Caiaffa, W. "Physical disorders and poor self-rated health in adults living in four Latin American cities: A multilevel approach." *International Journal of Environmental Research and Public Health*, 17(23), 8956. [doi:10.3390/ijerph17238956](https://doi.org/10.3390/ijerph17238956) [IF: 4.6]
- 2019 **Wang X.***, "Has the relationship between urban and suburban automobile travel changed across generations? Comparing Millennials and Gen Xers in the United States", *Transportation Research Part A: Policy & Practice*, 129, 107-122. [doi: 10.1016/j.tra.2019.08.012](https://doi.org/10.1016/j.tra.2019.08.012) [IF: 6.8]
- 2019 **Wang, X.***, Rodriguez, D. A., Sarmiento, O. L. and Guaje, O., "Commute patterns and depression: Evidence from 11 Latin American Cities", *Journal of Transport and Health*, 14, 100607. [doi:10.1016/j.jth.2019.100607](https://doi.org/10.1016/j.jth.2019.100607) [IF: 3.3, Google Scholar citations: 91]
- 2019 Boarnet, M. G., & **Wang, X.***. "Urban spatial structure and the potential for vehicle miles traveled reduction: the effects of accessibility to jobs within and beyond employment sub-centers." *The Annals of Regional Science*, 62(2), 381-404. [doi:10.1007/s00168-019-00900-7](https://doi.org/10.1007/s00168-019-00900-7) [IF: 2.1]
- 2019 Langellier, B.* et al., "Using community-based system dynamics modeling to understand the complex systems that influence health in cities: The SALURBAL stud." *Health and Place*, 60, 102215. [doi:10.1016/j.healthplace.2019.102215](https://doi.org/10.1016/j.healthplace.2019.102215) [IF: 4.1]
- 2017 Boarnet, M. G., **Wang, X.***, & Houston, D. "Can new light rail reduce personal vehicle carbon emissions? A before-after, experimental-control evaluation in Los Angeles." *Journal of Regional Science*, 57(3), 523-539. [doi:10.1111/jors.12275](https://doi.org/10.1111/jors.12275) [IF: 2.7]
- 2016 **Wang, X.***, Lindsey, G., Schoner, J. E., & Harrison, A. "Modeling bike share station activity: Effects of nearby businesses and jobs on trips to and from stations." *Journal of Urban Planning and Development*, 142(1), 04015001. [doi:10.1061/\(ASCE\)UP.1943-](https://doi.org/10.1061/(ASCE)UP.1943-)

[5444.0000273](#) [IF: 1.9, Google Scholar citations: 381, 4th most downloaded paper of the journal (1st for papers published within 10 years)]

- 2014 **Wang, X.***, Lindsey, G., Hankey, S., & Hoff, K. "Estimating mixed-mode urban trail traffic using negative binomial regression models." *Journal of Urban Planning and Development*, 140(1), 04013006. [doi:10.1061/\(ASCE\)UP.1943-5444.0000157](#) [IF: 1.9]
- 2012 Hankey, S.*, Lindsey, G., **Wang, X.**, Borah, J., Hoff, K., Utecht, B., & Xu, Z. "Estimating use of non-motorized infrastructure: Models of bicycle and pedestrian traffic in Minneapolis, MN." *Landscape and Urban Planning*, 107(3), 307-316. [doi:10.1016/j.landurbplan.2012.06.005](#) [IF: 9.2]

Peer-Reviewed Book Chapters

- 2025 Hou, Y.*, Zheng, J., **Wang, X.**, & S.Y. He, "Are Singapore's new towns self-contained? An examination based on post-COVID-19 public transport smartcard data." *Handbook on Transport in Asia*, Edward Elgar Publishing. [doi:10.4337/9781035309245.00028](#)

SELECTED WORKING PAPERS (Note: "*" indicates corresponding author)

- Wang, XL., Liu, T., & **Wang, X.***, "Enclosed by Walls, Embraced by Trees: Effects of Indoor Residential Crowding and Outdoor Green Space on Mental Health," Revise & Resubmit in *Journal of Planning Education and Research*
- Wang, XL., Liu, T., & **Wang, X.***, "Leaf Your Worries Behind: Effects of Subjective and Objective Urban Greenness on Mental Health"
- Fu, Y., Liu, T., **Wang, X.***, & Yu, M., "Neighborhood public space, quarantine experience, and resident's depression: A case study in Beijing, China"
- Wang, X.*** & Ho, A. "Assessing age-friendliness of Singapore's neighborhoods: accessibility-based indicators and the effects on housing prices"

RESEARCH IMPACTS

Google Scholar Citation Metrics (as of July. 8, 2025)

Citations: 1,412; h-index: 18; i10-index: 24

Policy Impacts & Media Coverage

- 2024 United Nations Economic Commission for Latin America and the Caribbean (UN-CEPAL) ([link](#)) on Wang, Rodriguez, Sarmiento & Guaje (2019)
- 2024 Inter-American Development Bank (IDB) ([link](#)) on Wang et al. (2019)
- 2024 Washington State Department of Commerce, USA ([link](#)) on Wang & Renne (2023)
- 2024 New Zealand Transport Agency Waka Kotahi, New Zealand ([link](#)) on Wang & Renne (2023)
- 2024 Victoria Transport Policy Institute, Canada ([link](#)) on Wang & Renne (2023)
- 2023 Congress of the Philippines, the Philippines ([link](#)) on Wang et al. (2019)
- 2023 Inter-American Development Bank (IDB) ([link](#)) on Wang et al. (2019) and Ju, Moran, Wang et al. (2022)
- 2023 Institute of Applied Economics Research (IPEA), Brazil ([link](#)) on Wang et al. (2019)
- 2023 Boca Raton Tribune, USA ([link](#)) on Wang & Renne (2023)
- 2023 Salon.com, USA ([link](#)) on Wang and Renne (2023)
- 2022 United States Department of Transportation (US-DOT), USA ([link](#)) on Wang, Rodriguez & Mahendra (2021)

2022	Tennessee Department of Transportation (TDOT), USA (link), on Wang et al. (2021)
2022	Inter-American Development Bank (IDB) (link) on Wang et al. (2021) and Wang et al. (2019)
2022	Development Bank of Latin America and the Caribbean (CAF) (link) on Wang et al. (2019)
2022	The Paper (澎湃新闻), China (link) on Wang & Liu (2023)
2022	Urban Studies Blog, UK (link) on Wang and Liu (2023)
2022	Lianhe Zaobao ThinkChina, Singapore (link) on Wang & Liu (2022)
2022	Caixin Global, China (link) on Wang & Liu (2022)
2022	Radio and Television of Ireland (RTE), Ireland (link) on Wang et al. (2019)
2022	Tech News (科技新报), Taiwan (link) on Wang et al. (2019)
2021	The World Bank (link) on Wang et al. (2021)
2021	Asian Development Bank (ADB) (link) on Wang et al. (2019)
2021	Inter-American Development Bank (IDB) (link) on Wang et al. (2019)
2021	Smart Prosperity Institute (SPI), Canada (link) Wang et al. (2019)
2021	Mobility & Health in Latin America (MOSIVAL), Chile & UK (link) on Wang et al. (2019)
2021	The Paper (澎湃新闻), China (link) on Wang et al. (2019)
2019	Asian Development Bank (ADB) (link) on Wang et al. (2019)
2019	El Tiempo, Colombia (link) on Wang et al. (2019)
2016	California Department of Transportation, USA (link) on Boarnet & Wang (2019)
2016	National Association of City Transportation Officials (NACTO), USA (link) on Wang, Lindsey, Schoner & Harrison (2016)

GRANTS

2024-2027	“Climate Change’s Urban Impacts: Mobility, Health and Insights from Big Data,” Singapore Ministry of Education, Academic Research Fund Tier 1, SGD 59,700, PI
2023-2025	“Towards Healthy, Sustainable and Age-Friendly Cities in A Post-Pandemic World,” Singapore Ministry of Education, Academic Research Fund Tier 1, SGD 158,871, PI
2019-2024	“Connecting Urban Environment with Mental Health: An International Inquiry,” National University of Singapore Startup Grant, SGD 100,000, PI

CONFERENCE AND SEMINAR PRESENTATIONS

2025	Association of Collegiate Schools of Planning (ACSP) Annual Conference, Minneapolis, USA (scheduled) International Association for China Planning (ICAP) Annual Conference, Xiamen, China International Conference on Urban Health, Wellington, New Zealand (scheduled) Sino-Canada Culture and Arts Foundation, online Tongji University, Shanghai, China
2024	American Association of Geographers (AAG) Annual Conference, Honolulu, USA ACSP Annual Conference, Seattle, USA Chang’an University, Xi’an, China ICAP Annual Conference, Hangzhou, China International Symposium on Sustainable Urban Development and Resilience, Fuzhou, China University of Macau, Macau SAR
2023	AAG Annual Conference, online

	ACSP Annual Conference, Chicago, USA
	IACP Annual Conference, Tianjin, China
	Nanjing University, Nanjing, China
	Nanjing Normal University, Nanjing, China
	Population Association of Singapore Annual Conference, Singapore
	Singapore-ETH Center, Singapore
	Tongji University, Shanghai, China
	Urban China Research Network Annual Meeting, Beijing, China
	Western Regional Science Association Annual Conference, Hawaii, USA
	World Conference on Transport Research, Montreal, Canada
2022	Nanjing University, Nanjing, China
	NUS Lee Kuan Yew School of Public Policy, Singapore
	NUS College of Design and Engineering, Singapore
	The Chinese University of Hong Kong, Hong Kong SAR
2021	Asian Real Estate Society (AsRES) Annual Meeting, Singapore
	American Real Estate & Urban Economics Association – AsRES Annual Meeting, Singapore
	Hong Kong University of Science and Technology Guangzhou Campus, online
	IACP Annual Conference, Nanjing, China
	Machine Learning & Travel Behavior Interest Group, online
	NUS Center for Family and Population Research, Singapore
	NUS East Asian Institute, Singapore
	Peking University, China
2020	ACSP Annual Conference, online
	IACP Annual Conference, online
	The Chinese University of Hong Kong, online
2019	China Conference on Geography, Beijing, China
	Singapore-MIT Alliance for Research and Technology, Singapore
2018	ACSP Annual Conference, Buffalo, USA
	IACP Annual Conference, Xi'an, China
	LAC Urban Health Research Network, Antigua Guatemala, Guatemala
	Transportation Research Board (TRB) Annual Meeting, Washington D.C. USA
2017	AAG Annual Meeting, Boston, USA
	ACSP Annual Conference, Denver, USA
	LAC-Urban Health Research Network, Lima, Peru
2016	AAG Annual Meeting, San Francisco, USA
	ACSP Annual Conference, Portland, USA
	Regional Science Association (RSAI) North American Meeting, Minneapolis, USA
2015	ACSP Annual Conference, Houston, USA
2014	ACSP Annual Conference, Philadelphia, USA
	RSIA North American Meeting, Bethesda, USA
2013	TRB Annual Meeting, Washington D.C. USA
2012	TRB Annual Meeting, Washington D.C. USA
	UMN-CTS Annual Research Conference, St. Paul, USA

TEACHING

National University of Singapore

Academic Teaching

Data and Analytics in Real Estate, graduate level (Fall 2025, new course developed)

Urban Policy and Challenges, undergraduate level (Spring 2023; Spring 2024; Spring 2025)
Urban Planning in Singapore, undergraduate level (Fall 2020, Fall 2021; Fall 2022; Fall 2023; Fall 2024)
GIS for Real Estate, undergraduate level (Spring 2020, Spring 2021, Spring 2022, Spring 2023)
Advanced Urban Planning, undergraduate level (Fall 2019)

Executive Teaching

UEM Sunrise Berhad, Executive Training Program on Commercial Real Estate, *topic: Proptech and Big Data in Real Estate* (Summer 2025)
Urban Redevelopment Authority, UP101 Executive Training Program, *topic: Comparative Urban Planning* (Spring 2025)
Singapore Land Authority, Executive Training Program on Real Estate Foundations, *topic: GIS for Real Estate* (Fall 2022, Fall 2023, Fall 2024)
Israel Land Authority, Executive Training Program on Singapore Immersion, *topic: Innovations in Singapore Transportation System* (Fall 2023)
Singapore Land Authority, Executive Training Program on Real Estate Foundations, *topic: Urban Planning in Singapore* (Fall 2021; Summer 2021)
Urban Redevelopment Authority, UP201 Executive Training Program, *topic: Cost-Benefit Analysis* (Summer 2020)

Guest Lectures

Sungkyunkwan University, Department of Public Administration, GIS Analysis for Urban Policy (graduate level), *topic: Raster Data Analysis* (Spring 2025)
Michigan State University, School of Planning, Design and Construction, Transportation Planning and Smart Land Use (undergraduate level), *topic: Sustainable Transport Policies in Singapore* (Spring 2025)
NUS Department of Architecture, Urban Planning History and Theory (graduate level), *topic: History of Planning in Singapore*. (Spring 2025)
Nanjing University, School of Government, Urban Disaster Management (graduate level), *topic: Sustainable Development in Singapore* (Spring 2025)
University of Pennsylvania Wharton School, MBA study abroad program, East and Southeast Asia (graduate level), *topic: Governing Singapore's Land Development: An Institutional Perspective* (Summer 2022)
NUS Lee Kuan Yew School of Public Policy, Quantitative Methods for Public Policy Research (Ph.D. level), *topic: Panel Data Methods* (Spring 2022)
NUS Lee Kuan Yew School of Public Policy, Urban Development and Policy (graduate level), *topic: Urban Planning in Singapore* (Spring 2021)

University of California, Berkeley

Ph.D. Colloquium, graduate level (guest lecturer, Spring 2018, Fall 2019)
Sustainable Mobility, undergraduate level (guest lecturer, Spring 2019, Fall 2017)

University of Southern California

Sustainable Communities, Policy & Planning, undergraduate level (instructor, Spring 2017)
Statistical Foundations for Public Management & Policy, graduate level (TA, Summer 2016)
Statistics for Policy, Planning & Development, undergraduate level (TA, Spring 2016)
Urban Demography & Growth, graduate level (TA, Fall 2014)

Economics for Policy, Planning & Development, graduate level (TA, Spring 2014, Fall 2015)

Urban Planning & Development, undergraduate level (TA, Fall 2013)

SERVICE

Academic Journal Editorship

2025- *Journal of Urban Health*, Editorial Board Member

2025- *Transportation Research Part D – Transport and Environment*, Editorial Board Member

Journal Peer Review

The American Journal of Men's Health

The Annals of Regional Science

Applied Economics Letters

BMC Public Health

BMJ Global Health

Cities

Climatic Change

Environment and Planning B: Urban Analytics and City Science

Environmental Science and Pollution Research

Growth and Change

Habitat International

International Journal of Environmental Research and Public Health

International Journal of Sustainable Transportation

International Journal of Urban Sciences

International Real Estate Review

ISPRS International Journal of Geo-Information

Journal of Transport Geography

Journal of Transport and Health

Journal of Transport and Land Use

Journal of Housing and the Built Environment

Journal of Planning Education and Research

Journal of Real Estate Finance and Economics

Journal of Urban Affairs

Journal of Urban Health

Journal of Urban Technology

Justice Quarterly

Nature Communications

npj Urban Sustainability

PLoS One

Proceedings of the National Academy of Sciences

Population, Space and Place

Regional Science and Urban Economics
Regional Studies
Regulation & Governance
Science of the Total Environment
Scientific Reports
Sustainable Cities and Society
Sustainable Development
Sustainability
Transactions in GIS
Transport Economics and Management
Transport Findings
Transport Policy
Transport Reviews
Transportation
Transportation Planning and Technology
Transportation Research Part A: Policy and Practice
Transportation Research Part D: Transport and Environment
Travel Behavior and Society
Urban Studies

Service to Field

2021 Asian Real Estate Society (AsRES) Annual Meeting Program Committee
Coordinator: urban policy and planning field
 2021 Global Chinese Real Estate Congress Annual Meeting Program Committee
Committee member
 2017-2019 China Highway & Transportation Society (*World Transportation Convention*)
Transportation and Public Health Technical Committee
Transportation and Urban Form Technical Committee

Service to University

2022-2023 NUS Business School Assistant Professor Representative
 2022-2023 Department Seminar Coordinator

Dissertation and Examination Committee

Shuhong Wang, City University of Hong Kong, Department of Public and International Affairs, Ph.D.
 Committee Member, ongoing
 So-Young Lee, NUS-Real Estate, Ph.D. Thesis Examination Committee, 2025
 Ya Guo, NUS-Sociology & Anthropology, Ph.D. Thesis Examination Committee, 2025
 Alex Sun, NUS-Real Estate, Ph.D. Thesis Examination Committee, 2024
 Linglan Liu, NUS-Real Estate, Ph.D. Thesis Examining Committee, 2021
 Fangxin Yi, NUS-Real Estate, Ph.D. Thesis Examination Committee, 2020
 Fangzhou Dai, NUS-Real Estate, Ph.D. Thesis Examination Committee, 2020
 Xiaoyu Zhang, NUS-Real Estate, Ph.D. Thesis Examination Committee, 2019

Professional Affiliations

American Real Estate and Urban Economics Association (AERUEA)

Association of Collegiate Schools of Planning (ACSP)

International Association for China Planning (IACP)

International Society for Urban Health (ISUH)

Population Association of Singapore (PAS)

Singapore Institute of Planners (SIP)

HONORS AND AWARDS

2025	Excellence in Refereeing Award, <i>Transportation Research Part D: Transport and Environment</i>
2016-2017	Provost's Mentored Teaching Fellowship, USC Graduate School
2014	Publisher's Travel Scholarship, Association of Collegiate Schools of Planning
2010-2011	Hubert H. Humphrey Fellowship, University of Minnesota
2010	Outstanding Graduates Award, Beijing Provincial Commission of Education
2009	National Merit Scholarship for Undergraduates, Ministry of Education of China
2009	First-Class Scholarship for China Economic Studies, Peking University

Updated July 2025