

ANDY HONG

Department of City & Metropolitan Planning, University of Utah
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QUALIFICATIONS

Urban health researcher working at the nexus of urban planning and healthy community. Actively collaborating with researchers, policy makers, and community leaders to co-design a place-based approach to creating a healthier and more resilient place across the lifespan.

AREAS OF EXPERTISE

- Urban Planning
- Environmental Health
- Healthy Aging
- Active Living
- Age-Friendly Community
- Resilient Places

EDUCATION

- University of Southern California** August 2016
Ph.D. in Urban Planning & Development, Price School of Public Policy
Dissertation Title: *Healthy Mobility: Untangling the relationships between the built environment, travel behavior, and environmental health*
Marlon Boarnet (chair), Lisa Schweitzer, and Scott Fruin
- University of Washington** June 2011
Master of Urban Planning, Department of Urban Design and Planning
Master of Public Administration, Evans School of Public Policy and Governance
- University of Washington** June 2004
B.S. in Informatics, Information School
Minor in Geography (GIS), Department of Geography

ACADEMIC APPOINTMENTS

- University of Utah**
Director, Healthy Aging and Resilient Places Lab, College of Architecture + Planning 7/2021 - Current
Assistant Professor, Department of City & Metropolitan Planning 7/2020 - Current
- University of Oxford** 9/2018 - 6/2020
Lead Urban Health Scientist, Nuffield Department of Women's & Reproductive Health
- University of British Columbia** 8/2016 - 8/2018
Postdoctoral Research & Teaching Fellow, School of Population & Public Health

HONORARY AND VISITING APPOINTMENTS

- The George Institute for Global Health** 7/2020 - 7/2021
Honorary Fellow, Global Office, New Town, NSW, Australia
- University of Surrey** 5/2019 - 5/2020
Visiting Fellow, Royal College of General Practice Research and Surveillance Centre

OTHER PROFESSIONAL EXPERIENCE

- University of Southern California**
Research Fellow, Price School of Public Policy, Los Angeles, CA 8/2015 - 8/2016
Research Assistant, Price School of Public Policy, Los Angeles, CA 9/2011 - 8/2015
Data Analyst, Program for Regional & Environmental Equity, Los Angeles, CA 6/2012 - 5/2013

Korea Transport Institute*Junior Researcher*, Center for Bicycle Transportation Research, Ilsan, Korea

6/2009 - 9/2009

Nelson\Nygaard Consulting Associates*Transportation Planning Intern*, Seattle Office, WA

1/2011 - 6/2011

Republic of Korea Army*Intelligence Officer* (2nd Lieutenant), Operational Planning Division, FROKA, Korea

6/2007 - 6/2009

Intelligence Officer (1st Lieutenant), Office of the Commander, First Corps, Korea

3/2006 - 6/2007

PUBLICATIONS**Peer-reviewed journal articles** (Student authors are marked with an asterisk*)

43. O'Neill, M., Hurst, M., Pagalan, L., Diemert, L., Kornas, K., Fisher, S., Hong, A. & Rosella, L. C. (2024). Development and validation of a population-based risk algorithm for premature mortality in Canada: the Premature Mortality Population Risk Tool (PreMPoRT). *BMJ Public Health*, 2(2). doi: [10.1136/bmjph-2023-000377](https://doi.org/10.1136/bmjph-2023-000377).
42. Yiu, N. K., Koh, P. K., Hong, A., Widener, M., & Higgins, C. (2024). Beyond distance: Measuring spatial accessibility to healthy food for older adults in Hong Kong using a 3D least-effort method. *Applied Geography*, 169. doi: [10.1016/j.apgeog.2024.103336](https://doi.org/10.1016/j.apgeog.2024.103336).
41. Chiodo, S., Pagalan, L., Hurst, M., O'Neill, M., Stylianou, H., Diemert, L. M., Hong, C., Brook, J., Hong, A., & Rosella, L. (2024). Measuring the health co-benefits of air pollution interventions on premature deaths in Canadian cities. *Journal of City Climate Policy and Economy*, 2(3), 428-464. doi: [10.3138/jccpe-2023-0019](https://doi.org/10.3138/jccpe-2023-0019).
40. Choi, D., Song, Y., & Hong, A. (2024). Environmental and health monitoring services for smart healthy cities: Current planning trends and challenges. *Journal of Korean Planning Association (Korean)*.
39. Rosella, L. C., Hurst, M., O'Neill, M., Pagalan, L., Diemert, L., Kornas, K., Hong, A., Fisher, S., & Manuel, D. G. (2024). A study protocol for a predictive model to assess population-based avoidable hospitalization risk: Avoidable Hospitalization Population Risk Prediction Tool (AvHPoRT). *Diagnostic and Prognostic Research*, 8(1), 2. doi: [10.1186/s41512-024-00165-5](https://doi.org/10.1186/s41512-024-00165-5).
38. Gebresselassie, M., Alavi, S., & Hong, A. (2024). How and where did older people travel before and after COVID? Insights from Washington, DC's smart card data. *Findings*. doi: [10.32866/001c.93913](https://doi.org/10.32866/001c.93913).
37. Greer, V., Hong, A., Canham, S. L., Agutter, J., Garcia, I., Van Natter, J. M., & Caylor, N. (2024). From sheltered in place to thriving in place: Pandemic places of aging. *The Gerontologist*, 64(2), gnad087. doi: [10.1093/geront/gnad087](https://doi.org/10.1093/geront/gnad087).
36. Hong, A., & Yang, W.* (2023). Urban environment and pedestrian safety: A case of Seoul, Korea. *Urban Health Studies (Korean)*, 2(1): 27-44. doi: [10.59013/auh.2023.2.1.003](https://doi.org/10.59013/auh.2023.2.1.003).
35. Zinia, F. A.*, Bhandari, P.*, Tuffour, J. P.*, & Hong, A. (2023). Evaluating social equity of transit accessibility: A case of Salt Lake County, U.S. *Transportation Research Record*, 2677(12), 806-814. doi: [10.1177/03611981231170005](https://doi.org/10.1177/03611981231170005).
34. Greer, V., Canham, S. L., Hong, A., Agutter, J., Garcia Zambrana, I., Natalie, C., & Van Natter, J. M. (2023). Shifting perspectives: Outlooks on aging in place in the Covid-19 era. *Ageing & Society*. doi: [10.1017/S0144686X23000211](https://doi.org/10.1017/S0144686X23000211).
33. Greer, V., Canham, S. L., Hong, A., Agutter, J., Garcia Zambrana, I., & Van Natter, J. M. (2023). Aging in place through the COVID-19 pandemic: Perspectives from aging service providers. *Journal of Applied Gerontology*, 42(7), 1530-1540. doi: [10.1177/07334648231159375](https://doi.org/10.1177/07334648231159375).
32. Hong, A., Welch-Stockton, J.*, Kim, J. Y.*, Canham, S. L., Greer, V., & Sorweid, M. (2023). Age-friendly community interventions for health and social outcomes: A scoping review. *International Journal of Environmental Research and Public Health*, 20, 2554. doi: [10.3390/ijerph20032554](https://doi.org/10.3390/ijerph20032554).
31. Hong, A., Baker, L., Prieto, R., Buswala, B., Guan, C., Ravindranath, D., & Duminy, J. (2023). Reconciling the gap between big data and thick data to advance the new urban science and smart city governance. *Journal of Urban Affairs*, 45(10), 1737-1761. doi: [10.1080/07352166.2021.2021085](https://doi.org/10.1080/07352166.2021.2021085).
30. Hong, A., & Chakrabarti, S. (2022). Compact living or policy inaction? Effects of urban density and lockdown on the Covid-19 outbreak in the U.S. *Urban Studies*, 60(9), 1588-1609. doi: [10.1177/00420980221127401](https://doi.org/10.1177/00420980221127401).

29. Ahn, H.*, Lee, J., & Hong, A. (2022). Urban form and air pollution: Clustering patterns of urban form factors related to particulate matter concentrations in Seoul, South Korea. *Sustainable Cities and Society*, 81, 103859. doi: [10.1016/j.scs.2022.103859](https://doi.org/10.1016/j.scs.2022.103859).
28. Frank, L. D., Bigazzi, A., Hong, A., Minaker, L., Fisher, P., & Raine, K. (2022). Built environment influences on healthy eating and active living: the NEWPATH study. *Obesity*, 30, 424–434. doi: [10.1002/oby.23352](https://doi.org/10.1002/oby.23352).
27. Frank, L. D., Adhikari, B., White, K. R., Dummer, T., Sandhu, J., Demlow, E., Hu, Y., Hong, A., & Van den Bosch, M. (2022). Chronic disease and where you live: Built and natural environment relationships with physical activity, obesity, and diabetes. *Environment International*, 158, 106959. doi: [10.1016/j.envint.2021.106959](https://doi.org/10.1016/j.envint.2021.106959).
26. Houlden, V., Jani, A., & Hong, A. (2021). Is biodiversity of greenspace important for human health and well-being? A scoping literature review. *Urban Forestry & Urban Greening*, 66, 127385. doi: [10.1016/j.ufug.2021.127385](https://doi.org/10.1016/j.ufug.2021.127385).
25. Hong, A., Martinez, L., Patino, J. E., Duque, J., & Rahimi, K. (2021). Green space and health disparities in the Global South: Evidence from Cali, Colombia. *Health & Place*, 72, 102690. doi: [10.1016/j.healthplace.2021.102690](https://doi.org/10.1016/j.healthplace.2021.102690).
24. Adhikari, B., Delgado-Ron, J. A., White, K.R., Van den Bosch, M., Dummer, T., Hong, A., Sandhu, J., Demlow, E., Hu, Y., & Frank, L. D. (2021). Community design and hypertension: Walkability and park access relationships with cardiovascular health. *International Journal of Hygiene and Environmental Health*, 237, 113820. doi: [10.1016/j.ijheh.2021.113820](https://doi.org/10.1016/j.ijheh.2021.113820).
23. Ahn, H.*, Lee, J., & Hong, A. (2021). Does urban greenway design affect air pollution exposure? A case study of Seoul, South Korea. *Sustainable Cities and Society*, 72, 103038. doi: [10.1016/j.scs.2021.103038](https://doi.org/10.1016/j.scs.2021.103038).
22. Jo, Y.*, Hong, A., & Sung, H. (2021). Density or connectivity: What are the main causes of the spatial proliferation of COVID-19 in Korea?. *International Journal of Environmental Research and Public Health*, 18(10), 5084. doi: [10.3390/ijerph18105084](https://doi.org/10.3390/ijerph18105084).
21. Patino, J. E., Hong, A., Duque, J., Rahimi, K., Zapata, S., & Lopera, V. M. (2021). Built environment and mortality risk from cardiovascular disease and diabetes in Medellín, Colombia: An ecological study. *Landscape and Urban Planning*, 213, 104126. doi: [10.1016/j.landurbplan.2021.104126](https://doi.org/10.1016/j.landurbplan.2021.104126).
20. Frank, L. D., Hong, A., & Ngo, V. D. (2021). Build it and they will cycle: Causal evidence from the Vancouver Comox Greenway. *Transport Policy*, 105, 1-11. doi: [10.1016/j.tranpol.2021.02.003](https://doi.org/10.1016/j.tranpol.2021.02.003).
19. Kang, J.*, Hong, A., & Sung, H. (2021). Moderating effect of ICT use on the relationship between neighborhood walkability and subjective quality of life (QoL). *Journal of Korea Planning Association (Korean)*, 56(2), 37-48. doi: [10.17208/jkpa.2021.04.56.2.37](https://doi.org/10.17208/jkpa.2021.04.56.2.37).
18. Rosella, L., O'Neill, M., Fisher, S., Hurst, M., Dimert, L., Kornas, K., Hong, A., & Manuel, D. G. (2020). A study protocol for a predictive algorithm to assess population-based premature mortality risk: Premature Mortality Population Risk Tool (PreMPoRT). *Diagnostic and Prognostic Research*, 4, 18. doi: [10.1186/s41512-020-00086-z](https://doi.org/10.1186/s41512-020-00086-z).
17. Adhikari, B., Hong, A., & Frank, L. D. (2020). Residential relocation, preferences, life events, and travel behavior: A pre-post study. *Research in Transportation Business and Management*, 36, 100483. doi: [10.1016/j.rtbm.2020.100483](https://doi.org/10.1016/j.rtbm.2020.100483).
16. Rossa-Roccor, V., Acheson, E., Andrade-Rivas, F., Coombe, M., Ogura, S., Super, L., & Hong, A. (2020). A scoping review and bibliometric analysis of the term 'Planetary Health' in the peer-reviewed literature. *Frontiers in Public Health*, 8, 343 doi: [10.3389/fpubh.2020.00343](https://doi.org/10.3389/fpubh.2020.00343).
15. Mei, K., Huang, H., Xia, F., Hong, A., Chen, X., Zhang, C., Qiu, G., Chen, G., Wang, Z., Wang, C., Yang, B., Xiao, Q., & Jia, P. (2020). State-of-the-art of measures of the obesogenic environment for children. *Obesity Reviews*, 22(S1), e13093. doi: [10.1111/obr.13093](https://doi.org/10.1111/obr.13093).
14. Wang, Z., Zhao, L., Huang, L., Hong, A., Yu, C., Xiao, Q., Zou, B., Xin, J., Zhang, L., Zhang, J., Wang, Y., & Jia, P. (2020). Traffic-related environmental factors and childhood obesity: A systematic review and meta-analysis. *Obesity Reviews*, 22(S1), e12995. doi: [10.1111/obr.12995](https://doi.org/10.1111/obr.12995).
13. Guan, C., Keith, M., & Hong, A. (2019). Designing walkable cities and neighborhoods in the era of urban big data. *Urban Planning International (Chinese)*, 34(5), 9-15. doi: [10.22217/upi.2019.389](https://doi.org/10.22217/upi.2019.389).

12. [Hong, A.](#), Kim, B., & Widener, M. (2020). Noise and the City: Leveraging crowd-sourced big data to examine the spatio-temporal relationship between urban development and noise annoyance. *Environment and Planning B: Urban Analytics and City Science*, 7(7), 1201–1218. doi: [10.1177/2399808318821112](https://doi.org/10.1177/2399808318821112).
11. Frank, L. D., Iroz-Elardo, N., MacLeod, K. E., & [Hong, A.](#) (2019). Pathways from built environment to health: A conceptual framework linking behavior and exposure-based impacts. *Journal of Transport & Health*, 12, 319-335. doi: [10.1016/j.jth.2018.11.008](https://doi.org/10.1016/j.jth.2018.11.008).
10. [Hong, A.](#) (2019). Effect of mode shift from car to light rail on personal exposure: A controlled experiment. *Atmospheric Environment*, 196, 53-65. doi: [10.1016/j.atmosenv.2018.10.004](https://doi.org/10.1016/j.atmosenv.2018.10.004).
9. Frank, L. D., Mayaud, J., [Hong, A.](#), Fisher, P., & Kershaw, S. (2019). Unmet demand for walkable neighborhoods in a mid-sized Canadian community: Implications for planning. *Journal of Planning Education and Research*, 47(7), 1201-1218. doi: [10.1177/0739456X19831064](https://doi.org/10.1177/0739456X19831064).
8. Frank, L. D., [Hong, A.](#), & Ngo, V. D. (2019). Causal evaluation of urban greenway retrofit: A longitudinal study on physical activity and sedentary behavior. *Preventive Medicine*, 123, 109-116. doi: [10.1016/j.ypmed.2019.01.011](https://doi.org/10.1016/j.ypmed.2019.01.011).
7. [Hong, A.](#), Sallis, J. F., King, A. C., Conway, T., Saelens, B., Cain, K., & Frank, L. D. (2018). Linking green space to neighborhood social capital in older adults: The role of perceived safety. *Social Science & Medicine*, 207, 38-45. doi: [10.1016/j.socscimed.2018.04.051](https://doi.org/10.1016/j.socscimed.2018.04.051).
6. Boarnet, M. G., [Hong, A.](#), & Santiago-Bartolomei, R. (2017). Urban spatial structure, employment subcenters, and freight travel. *Journal of Transport Geography*, 60, 267-276. doi: [10.1016/j.jtrangeo.2017.03.007](https://doi.org/10.1016/j.jtrangeo.2017.03.007).
5. Kim, D., Park, J., & [Hong, A.](#) (2017). The role of destination's built environment on nonmotorized travel behavior: A case of Long Beach, CA. *Journal of Planning Education and Research*, 38(2), 52-166. doi: [10.1177/0739456X16688765](https://doi.org/10.1177/0739456X16688765).
4. [Hong, A.](#), Boarnet, M. G., & Houston, D. (2016). New light rail transit and active travel: A longitudinal study. *Transportation Research Part A: Policy and Practice*. 92, 131-144. doi: [10.1016/j.tra.2016.07.005](https://doi.org/10.1016/j.tra.2016.07.005).
3. [Hong, A.](#), Schweitzer, L., Marr, L., & Yang, W. (2015). Impact of temporary freeway closure on regional air quality: A lesson from Carmageddon in Los Angeles, United States. *Environmental Science & Technology*, 49(5), 3211–3218. doi: [10.1021/es505185c](https://doi.org/10.1021/es505185c).
2. [Hong, A.](#) (2014). Do attitudes moderate the built environment impact on bicycle commuting? Findings from the 2009 National Household Travel Survey of the United States. *Korean Local Administration Review*, 11(2), 155-172. link: [ISSN 1738-6098](https://doi.org/10.1738-6098).
1. [Hong, A.](#) & Bae, C. -H. C. (2012). Exposure of bicyclists to air pollution in Seattle, Washington: Hybrid analysis using personal monitoring and land use regression. *Transportation Research Record*. 2270, 59-66. doi: [10.3141/2270-08](https://doi.org/10.3141/2270-08).

Patents

1. Frank, L. D., Chapman, J., Iroz-Elardo, N., & [Hong, E. A.](#) (2023). *Methods and systems for detecting environment features in images, predicting location-based health metrics based on environment features, and improving health outcomes and costs*. (U.S. Patent No. 11,587,683). U.S. Patent and Trade-mark Office. <https://patents.google.com/patent/US11587683B2>

Book chapters

2. [Hong, A.](#) (forthcoming). Age-friendly neighborhood. In Greer, V., & Edelman, L., (Eds.), *Age-Friendly Ecosystems: Environments for Equitable Aging by Design*. NY: Springer.
1. [Hong, A.](#) (2018). Environmental benefits of active transportation. In Richard Larouche (Eds.), *Children's Active Transportation*. Cambridge, UK: Elsevier. doi: [10.1016/B978-0-12-811931-0.00002-8](https://doi.org/10.1016/B978-0-12-811931-0.00002-8)

Op-ed/media contributions

4. [Hong, A.](#) (2023). The city looks different when you're older. New York Times. <https://www.nytimes.com/interactive/2023/09/06/opinion/seniors-urban-planning.html>
3. Chakrabarti, S. & [Hong, A.](#) (2020). Keep cities moving during the global -19 pandemic. Thomson Reuters Foundation News. <https://news.trust.org/item/20200427112438-npvbo>

2. Hong, A. (2019). What can London learn from car-free cities around the world? Thomson Reuters Foundation News. <http://news.trust.org/item/20190920100921-ou5qd>
1. Hong, A. (2019). A Car Free City: Utopian dream or realistic vision? PEAK Urban Blog. <https://www.peak-urban.org/blog/car-free-city-utopian-dream-or-realistic-vision>

Manuscripts under review

3. Yang, J., Yoon, K., Ha, S., Hong, A., & Lim, S. Estimating Indoor Tile Friction Coefficient Using Visual Information (under review).
2. Hong, A., Yang, W., & Choi, D. Environmental barriers and challenges to healthy aging in place: A systematic literature review (under review).
1. Hong, A., Hosseini, T.M., Elkins, M., Greer, V., Canham, S., Rigolon, A., & Sorweid, M. Nature’s remedy: older adults’ experiences and delivery partners’ insights on forest bathing as a mental health intervention (under review).

Working papers

11. Hong, A., & Maki, A. U-Walk: A walk audit tool to facilitate student learning and improve walking safety on campus (in preparation for journal submission).
10. Hong, A., & Kim, J. Transportation and health-related quality of life among older adults (in preparation for journal submission).
9. Hong, A., & Choi, D., Environmental and health monitoring in smart cities: A systematic review (in preparation for journal submission).
8. Promy, N. S., Kahn, S. M., Bhandari, P., Hyun, B. E., Moon, Y., & Hong, A. Built environment determinants of pedestrian and bicycle safety: Focus on Exposure and Risk (in preparation for journal submission).
7. Yang, W. & Hong, A. Understanding micromobility safety: Built environment, risk, and exposure (in preparation for journal submission).
6. Hong, A., & Yang, W. Built environment and pedestrian safety: The role of exposure and risk (in preparation for journal submission).
5. Kim, J., Rigolon, A., & Hong, A. Does urban morphology affect cardiovascular disease via extreme heat and air pollution? (in preparation for journal submission).
4. Choi, D., Song, Y., & Hong, A. Built environment, walking, and equity: Empirical evidence from Korea (in preparation for journal submission).
3. Hong, A., Choi, D., & Song, Y. Public-private partnerships for smart healthy communities: A case study (in preparation for journal submission).
2. Hong, A., & Choi, D., Environmental and health monitoring in smart cities: A systematic review (in preparation for journal submission).
1. Song, Y., Choi, D., & Hong, A. When place meets digital: Exploring the role of place in smartphone-based walking promotion (in preparation for journal submission).

TEACHING EXPERIENCE

Main instructor

Spring 2024	CMP 6060 / 4060 - Healthy Urban Planning (Undergraduate/Graduate course: 20 students) Department of City & Metropolitan Planning, University of Utah
Spring 2024	CMP 6455 / 4960-007 - Spatial Data Analytics (Graduate course: 12 students) Department of City & Metropolitan Planning, University of Utah
Fall 2023	CMP 4010 - Field Studies in Urban Ecology I (Undergraduate course: 40 students) Department of City & Metropolitan Planning, University of Utah
Fall 2023	CMP 4286 / 6280 - Big Data in Transportation Workshop (Graduate course: 12 students) Department of City & Metropolitan Planning, University of Utah

Spring 2023	CMP 6960-005 - Healthy Urban Planning (Graduate course: 7 students) Department of City & Metropolitan Planning, University of Utah
Spring 2023	CMP 6455 - Spatial Data Analytics (Graduate course: 10 students) Department of City & Metropolitan Planning, University of Utah
Fall 2022	CMP 4286 / 6280 - Big Data in Transportation Workshop (Graduate course: 7 students) Department of City & Metropolitan Planning, University of Utah
Fall 2022	CMP 4010 - Field Studies in Urban Ecology I (Undergraduate course: 60 students) Department of City & Metropolitan Planning, University of Utah
Spring 2022	CMP 6455 - Advanced GIS Applications (Graduate course: 24 students) Department of City & Metropolitan Planning, University of Utah
Spring 2022	CMP 7501 - Ph.D. Research Seminar (First and second year PhD students) Department of City & Metropolitan Planning, University of Utah
Fall 2021	CMP 4286 / 6280- Big Data in Transportation Workshop (Graduate course: 5 students) Department of City & Metropolitan Planning, University of Utah
Fall 2021	CMP 4010 - Field Studies in Urban Ecology I (Undergraduate course: 60 students) Department of City & Metropolitan Planning, University of Utah
Spring 2021	CMP 6455 - Advanced GIS Applications (Graduate course: 20 students) Department of City & Metropolitan Planning, University of Utah
Fall 2020	CMP 4010 - Field Studies in Urban Ecology I (Undergraduate course: 60 students) Department of City & Metropolitan Planning, University of Utah
Summer 2019	Urban Big Data Analytics, Big Data and New Technologies in Cities, Vancouver Summer Program (Undergraduate course: 50 students) Course website: UrbanBigData.github.io University of British Columbia
Summer 2018	Urban Big Data Analytics, Big Data and New Technologies in Cities, Vancouver Summer Program (Undergraduate course: 32 students) University of British Columbia

Guest lecture

Fall 2023	Resilient Places for Healthy Aging. PSY 3230: Adult Development and Aging (Undergraduate course, University of Utah)
Spring 2019	Making Healthy Cities. Spatial Dynamics of Urban China (Undergraduate course, New York University Shanghai)
Spring 2018	Site Design and Street Design Standards. PLAN 580: Introduction to Transportation Planning (Graduate course, University of British Columbia)
Spring 2018	Introduction of Healthy Cities. CCT481H5S: Augmented Places and Social Media Spaces (Undergraduate course, University of Toronto)
Fall 2017	Linking the Built Environment with Large Health Administrative Data. SPPH 502: Epidemiological Methods I (Graduate course, University of British Columbia)
Fall 2017	Introduction to Health and Built Environment. PLAN 579: Public Health, Transportation, and the Built Environment (Graduate course, University of British Columbia)
Spring 2017	Transportation Plan Making in Regional Scale. PLAN 580: Introduction to Urban Transportation Planning (Graduate course, University of British Columbia)
Fall 2016	Urbanization and Climate Change. GEOG 350: Introduction to Urban Geography (Graduate course, University of British Columbia)

Teaching assistant

Spring 2014	PPD 557: Modeling and Operations Research (Graduate course, University of Southern California)
Fall 2012	PPD 533: Planning History and Urban Form (Graduate course, University of Southern California)
Fall 2012	PPD 524: Planning Theory (Graduate course, University of Southern California)

STUDENT SUPERVISION AND MENTORSHIP

Doctoral Student Supervision

Talayeh M. Hosseini (Ph.D Student), Department of City and Metropolitan Planning, University of Utah Role: Ph.D. Advisor (Dissertation Committee Chair)	8/2023 - Current
Nicole Davisson (Ph.D Student), Department of Family and Consumer Studies, University of Utah Role: Ph.D. Supervisory Committee	8/2023 - Current
Justyna Kaniewska (Ph.D Student), Department of City and Metropolitan Planning, University of Utah Role: Ph.D. Supervisory Committee	6/2023 - Current
Hannah A. Kalantari (Ph.D Student), Department of City and Metropolitan Planning, University of Utah Role: Ph.D. Supervisory Committee	6/2023 - Current
Junsik Kim (Ph.D), Department of City and Metropolitan Planning, University of Utah Role: Ph.D. Supervisory Committee	9/2020 - Current
Wookjae Yang (Ph.D), Department of City and Metropolitan Planning, University of Utah (Current position: Postdoctoral Fellow, Seoul National University) Role: Ph.D. Supervisory Committee	8/2021 - 7/2023
Hassan Ameli (Ph.D), Department of City and Metropolitan Planning, University of Utah (Current position: Postdoctoral Fellow, Florida Atlantic University) Role: Ph.D. Supervisory Committee	9/2020 - 5/2022
Binay Adhikari (Ph.D), University of British Columbia (Current position: Geospatial Data Scientist, British Columbia Centre for Disease Control) Role: Co-Supervisor	12/2016 - 3/2018
Lili Shulman (Ph.D), University of British Columbia Role: Co-Supervisor	12/2016 - 3/2018

Master Student Supervision

Daniel Ritter (Master of City & Metropolitan Planning; Role: RA Supervisor), University of Utah	8/2022 - 6/2024
Hyojeong Ko (Master of City & Metropolitan Planning; Role: RA Supervisor), University of Utah	8/2022 - 8/2023
Jeresun Atkin (Master of City & Metropolitan Planning; Role: Faculty Advisor), University of Utah	8/2023 - 6/2024
Alexandra Stewart (Master of City & Metropolitan Planning; Role: Faculty Advisor), University of Utah	8/2023 - 6/2024
Jaime Cross (Master of Science in Gerontology; Role: RA Supervisor), University of Utah	8/2021 - 6/2023
Jessie Welch-Stockton (Master of Social Work; Role: RA Supervisor), University of Utah	8/2021 - 6/2022
Cassandra Serna (Master of City & Metropolitan Planning; Role: RA Supervisor), University of Utah	8/2021 - 6/2022
Emma Jones (Master of City & Metropolitan Planning; Role: Faculty Advisor), University of Utah	8/2021 - 6/2023
Tyler Torres (Master of City & Metropolitan Planning; Role: Faculty Advisor), University of Utah	8/2021 - 6/2023
Jenna Benson (Master of City & Metropolitan Planning; Role: Faculty Advisor), University of Utah	8/2021 - 6/2023
William Goodreid (Master of City & Metropolitan Planning; Role: Faculty Advisor), University of Utah	8/2021 - 6/2023
Gordon Bennett (Master of City & Metropolitan Planning; Role: Faculty Advisor), University of Utah	8/2021 - 6/2023
Rachel Stein (Master of City & Metropolitan Planning; Role: Faculty Advisor), University of Utah	8/2021 - 6/2023
Matthew Lund (Master of City & Metropolitan Planning; Role: Faculty Advisor), University of Utah	8/2020 - 6/2023
Madison Merrill (Master of City & Metropolitan Planning; Role: Faculty Advisor), University of Utah	8/2020 - 6/2023
Cody Opperman (Master of City & Metropolitan Planning; Role: Faculty Advisor), University of Utah	8/2020 - 6/2022
Evan Van Tassel (Master of City & Metropolitan Planning; Role: Faculty Advisor), University of Utah	8/2020 - 6/2022

Undergraduate Student Supervision

Miles Elkins (Bachelor of Science in Urban Ecology; Role: Internship Supervisor), University of Utah	9/2023 - Current
Tessa Vu (Bachelor of Science in Environmental & Sustainability Studies; Role: Honor's Thesis Supervisor), University of Utah	3/2021 - 5/2022

GRANTS

Grants funded

Co-PI (PI: A. Rigolon), "New transit, bike infrastructure, and green space: Do they have a multiplying effect on gentrification and displacement?," Center for Equitable Transit Oriented Communities (CETOC), US Department of Transportation, \$200,000 (UU: \$100,000, FAU: \$100,000)	2024 - 2025
PI, "Nature Rx Virtual: Designing a Nature-Based Health Intervention for Homebound Older Adults Using Virtual Reality", VPR Office, University of Utah, \$15,000	2024 - 2025
PI, "Gentrification, Displacement, and GHG Emissions at Transit-Oriented Communities," Center for Equitable Transit Oriented Communities (CETOC), US Department of Transportation, \$135,820	2023 - 2024
PI, "Nature Rx Pilot: Identifying barriers and facilitators to implementing nature-based mental health interventions for older adults," Nature and Human Health-UT, \$10,000	2023 - 2024
PI, "U-Walk: A Walk Audit Tool to Facilitate Student Learning and Improve Walking Safety on Campus," SEED2SOIL, Global Change and Sustainability Center (GCSC), University of Utah, \$10,494	2022 - 2023
Collaborator (PI: H. Chung), "Designing a Participatory Smart Healthy City based on a Learning Health Systems Framework," Korea Health Industry Development Institute, Funding amount of the whole project: USD \$580,000	2022 - 2023
PI, "Transportation for Seniors (T4S): Developing a New Accessibility Measure to Support Older Adults in a Post-Pandemic World," National Institute for Transportation and Communities (NITC), \$75,000	2021 - 2022
PI, "Healthy Aging and Resilient Places (HARP) Lab: Promoting Health and Resilience in Aging through Interdisciplinary Collaboration," Center on Aging, University of Utah, \$50,000	2021 - 2023
PI, "Systematic Review of Friendly Environment Intervention Studies," World Health Organization, \$23,083	2021 - 2021
Co-PI (PI: V. Greer), "From Sheltered in Place to Thriving in Place: Dimensions of Aging in the 'Right' Place during the Pandemic," Scholarship Incentive Program, University of Utah, \$20,000	2021 - 2022
Collaborator (PI: S. He) "Low-Carbon Transport, Individual Wellbeing & Planetary Health in the Era of Smart Cities & New Mobilities," Research Development Fund 2019, Worldwide Universities Network (WUN), UK, £10,000	2020 - 2021

PI, “Nature Sensing: An IoT approach to characterising biodiversity of green spaces for planetary health,” Connecting Capabilities Fund, Research England, UK, £49,840	2020 - 2021
PI, “Greenspace Hack: An IoT and crowdsource-enabled mobile app to design healthier and smarter green spaces,” Connecting Capabilities Fund, Research England, UK, £50,000	2019 - 2020
Collaborator (PI: L. Rosella), “Planning tools to inform interventions to reduce avoidable hospitalization and premature mortality in Canadian cities,” Canadian Institutes of Health Research, Canada, \$100,000	2019 - 2020
Co-PI (PI: L. Frank), “Developing a 2016 Built Environment/Walkability Surface for the Metro Vancouver Region,” Metro Vancouver and TransLink, British Columbia, Canada, \$85,000	2017 - 2018
Co-PI (PI: L. Frank), “The Health Impacts of Rail Transit Investment: Synthesis of Evidence and Methodologies to Date,” City of Vancouver, British Columbia, Canada, \$25,600	2017 - 2018
PI, “CitySensor: Development and Pilot Testing of Urban Environmental Sensor using Open-source Hardware and Software,” Research Enhancement Grant, USC Graduate School, US, \$35,000	2015 - 2016

HONORS & AWARDS

Outstanding Undergraduate Research Mentor Award, Office of Undergraduate Research, University of Utah, Salt Lake City, UT	2024
Top cited papers published in <i>Obesity Reviews</i> during 2021-2022 (As of February 21, 2023)	2023
Finalist, Rural and Environmental Research Award, American Public Health Association, San Diego, CA	2018
Most downloaded articles published in <i>Transportation Research Part A: Policy and Practice</i> in 2017 (as of February 10, 2017)	2017
Healthy City Research “Think Tank” Travel Award, Canadian Research Institute of Health Research (CIHR), Toronto, ON, Canada	2017
Research Enhancement Fellowship, University of Southern California, Los Angeles, CA	2015
Association of Collegiate Schools of Planning PhD Workshop Scholarship, Boston, MA	2014
Conference Travel Scholarship, Association of Collegiate Schools of Planning, Cincinnati, OH	2012
APA University Student Projects Award, Washington Chapter of the American Planning Association and Planning Association of Washington, Portland, OR	2011
Certificate of Commendation, Commanding General, FROKA, Wonju, Korea	2009
Certificate of Recognition, Combat Service Support, 8th U.S. Army, Wonju, Korea	2008
Certificate of Commendation, Commanding General, 1st Corps, Republic of Korea Army, Korea	2007
Certificate of Commendation, Deputy Chief of Staff (G1-Personnel), Republic of Korea Army Headquarters, Korea	2007
Graduate student fellowship, Evans School of Public Policy and Governance, University of Washington, Seattle, WA	2005
NSF Integrative Graduate Education and Research Training (IGERT) scholarship in Urban Ecology, College of the Environment, University of Washington, Seattle, WA	2003

PRESENTATIONS AND INVITED TALKS

Conferences and Symposiums

1. Greer, V., Hong, A., Canham, S. Co-Creating Age-Friendly Environments. Presented at the College of Architecture & Planning Research Symposium. January, 2024.
2. Kim, J. Y., Hong, A., Ko, H., Cross, J. Travel Behavior and Travel Satisfaction in Old Age. Presented at the Annual Conference of the Association of Collegiate Schools of Planning. Chicago, IL. October, 2023.
3. Rigolon, A., Hong, A., & Hosseini, T. M. Nature Rx Pilot: Identifying barriers and facilitators to implementing nature-based mental health interventions for older adults. Presented at the Nature and Human Health Utah Symposium, October, 2023.
4. Hong, A., Kim, J. Y., Ko, H., Cross, J. "I Don't Want to Lose My Independence": Travel Behavior and Mobility Needs in Later Life. Presented at the Annual Conference of the Association of Collegiate Schools of Planning. Chicago, IL. October, 2023.
5. Hong, A. Resilient Place for Healthy Aging. Presented at the Rocky Mountain Geriatrics Conference. Park City, UT September, 2023.
6. Hong, A. Travel Behavior of Older Adults: A Mixed-Methods Approach. Presented at the Annual Conference of the American Association of Geographers. Denver, CO. March, 2023.
7. Zinia, F. A., Bhandari, P., Tuffour, J. P., Hong, A. Evaluating Social Equity of Transit Accessibility: A Case of Salt Lake County, U.S. Presented at the Annual Meeting of the Transportation Research Board of the National Academies. Washington, DC. January, 2023.
8. Yang, W., Hong, A., Micromobility safety for older adults: does the built environment matter?, Presented at the Annual Conference of the Association of Collegiate Schools of Planning. Toronto, Canada. November, 2022.
9. Hong, A., Welch-Stockton, J., Kim, J. Y., Canham, S. L., Greer, V., Sorweid, M., Health and Social Outcomes of Age-Friendly Community Interventions: A Scoping Review, Presented at the Annual Conference of the Association of Collegiate Schools of Planning. Toronto, Canada. November, 2022.
10. Yang, W., Hong, A., Neighborhood environment and pedestrian safety: focus on exposure and risk, Presented at the Annual Conference of the Academy of Urban Health. Asan, Korea. October, 2022.
11. Kang, Jae-Won, Hong Andy, Sung, Hyungun. Identifying the Moderating Impacts of Daily Use of ICTs between Quality of Life and Residential Walkability in Seoul. Presented at the 2019 International Conference Asia-Pacific Planning Societies (ICAPPS), Seoul, Kore., August, 2019.
12. Hong, Andy, Johnson, Emily, Frank, Lawrence. Beyond Home Environment: Combined effects of walkability at home and work on physical activity and sedentary behaviour. Presented at the International Society of Behavioral Nutrition and Physical Activity Conference, Prague, Czech. June, 2019.
13. Adhikari, Binay, Hong, Andy, Frank, Lawrence. Understanding travel behavior through changes in urban form, preference, and life events: A longitudinal study. Presented at the World Conference on Transport Research, Mumbai, India. May, 2019.
14. Frank, Lawrence, and Hong, Andy. Monetizing Health and Other Benefits of Transportation Investment and Policies. Presented at the Urban Transitions Conference, Sitges, Spain. November, 2018.
15. Iroz-Elardo N, Hong A, Devries D, Winters M, Brauer M, Frank LD. The health impacts of fixed-guideway transit investments: a systematic review and research agenda. Paper presented at the 58th Annual Conference of the Association of Collegiate Schools of Planning, Buffalo, NY. October, 2018.
16. Frank LD and Hong A, Monetizing health impacts of the built environment: Matching longitudinal health care utilization and cost with land use and transportation characteristics. Paper presented at the 58th Annual Conference of the Association of Collegiate Schools of Planning, Buffalo, NY. October, 2018.
17. Zou Z, Hong A, Chakrabarti S. Transit desirability: a novel market segmentation approach for predicting customer retention. Poster presented at the 58th Annual Conference of the Association of Collegiate Schools of Planning, Buffalo, NY. October, 2018.
18. Frank, Lawrence, and Hong, Andy. Monetizing Health Impacts of the Built Environment: Matching Longitudinal Health Care Utilization and Cost with Land Use and Transportation Characteristics. Presented at the NECTAR Cluster 7 workshop "Social and Health Issues", June 2018.

19. Hong, Andy, Kim, Byoungjun, and Widener, Michael. Noise and the City: Spatiotemporal relationship between development patterns and residential noise complaints. Presented at the North American Regional Science Council (NARSC) conference, Vancouver, BC. November 2017.
20. Hong, Andy, and Frank, Lawrence. Neighborhood walkability, driving time, and sedentary behavior among Canadian adults. Presented at the 57th Annual Conference of the Association of Collegiate Schools of Planning, Denver, CO. October, 2017.
21. Kim, Byoungjun, Hong, Andy, Widener, Michael. Noise and the City: Spatiotemporal relationship between development patterns and residential noise complaints. Presented at the 57th Annual Conference of the Association of Collegiate Schools of Planning, Denver, CO. October, 2017.
22. Hong, Andy, and Frank, Lawrence. Neighborhood green space, perceived safety, and social support among older adults: Results from the neighborhood quality of life study for seniors. Poster presented at the 57th Annual Conference of the Association of Collegiate Schools of Planning, Denver, CO. October, 2017.
23. Hong, Andy, Ratnam, S., Fruin, S. Effectiveness of temporary traffic ban as a local air pollution control measure: A natural experiment study. Presented at the 56th Annual Conference of the Association of Collegiate Schools of Planning, Portland, OR. November, 2016.
24. Hong, Andy. Commuter's paradox: Does switching to green transportation help us breathe clean air? Poster presented at the 56th Annual Conference of the Association of Collegiate Schools of Planning, Portland, OR. November, 2016.
25. Boarnet, Marlon G., Hong, Andy, Santiago-Bartolomei, Raul. Urban Spatial Structure, Employment Subcenters, and Freight Travel. Presented at the 55th Annual Meeting of the Western Regional Science Association, Big Island, HI. February, 2016.
26. Boarnet, Marlon G., Hong, Andy, Santiago-Bartolomei. Urban Spatial Structure, Employment Subcenters, and Freight Travel. Presented at the 95th Annual Meeting of the Transportation Research Board of the National Academies. Washington, DC. January, 2016.
27. Hong, Andy, Boarnet, M., Houston D. The impact of new light rail transit on physical activity: Quasi-experimental evidence from the Expo Line study. Presented at the 54th Annual Conference of the Association of Collegiate Schools of Planning, Philadelphia, PA. November, 2014.
28. Hong, Andy, Schweitzer L., Marr L., Yang W. The impact of temporary highway closure on air pollution: A lesson from Carmageddon in Los Angeles. Presented at the 52nd Annual Conference of the Association of Collegiate Schools of Planning, Cincinnati, OH. November, 2012.
29. Kim, D., Park, JiYoung, Hong, Andy. The role of destination on active travel in Long Beach, California: A nested logit modeling approach. Presented at the 52nd Annual Conference of the Association of Collegiate Schools of Planning, Cincinnati, OH. November, 2012.
30. Hong, Andy and Bae, C.-H C. Bicyclists' exposure to air pollution in Seattle: A hybrid analysis using personal monitoring and land use regression. Presented at the 91st Annual Meeting of the Transportation Research Board of the National Academies. Washington, DC. January, 2012.
31. Bae, C.-H C. and Hong, Andy. Bicyclists' exposure to air pollution: Seattle and Seoul compared, Presented at the 51st Annual Conference of the Association of Collegiate Schools of Planning, Salt Lake City, UT. October, 2011.
32. Bae, C.-H C. and Hong, Andy, Larson, T. V. Measuring bicyclists' exposure to black carbon emissions: The case of Seattle, Washington, Presented at the 50th Annual Meeting of the Western Regional Science Association, Monterey, CA. March, 2011.
33. Shin, H. C. and Hong, Andy. Infrastructure for sustainable transportation: implementation of nonmotorized transport in Korea, Presented at the East West Center Korea Transport Institute Conference, Honolulu, HI, August. 2009.

Roundtables, panels, workshops, and webinars

1. Webinar: Developing a New Accessibility Measure to Support Older Adults in a Post-Pandemic World, National Institute for Transportation and Communities, Nov., 2023.
 - Event Page: <https://nitc.trec.pdx.edu/events/professional-development/webinar-11292023>

2. Built Environment for Healthy Aging, Get Healthy Utah Stakeholder Retreat, West Jordan, Oct., 2023.
 - Event Recap: <https://gethealthyutah.org/news/blog/get-healthy-utah-2023-stakeholder-retreat>
3. Hong, A., Lee, C., Widener, M., Oviedo, D., Wang, X., Chrisinger, B., Planning for Healthy and Equitable Cities: International Perspectives, Presented at the AESOP-ACSP Joint Roundtable Session at the 58th Annual Conference of the Association of Collegiate Schools of Planning. Nov., 2020.
4. Responding to Climate Change: How Institutions Plan for the Future, Hinckley Institute of Politics, University of Utah, Salt Lake City, UT. Oct., 2022.
 - Poster: <https://www.facebook.com/events/470795095078431>
 - Video recording: <https://www.youtube.com/watch?v=dfP9pk3QO-s>
5. Hong, A., Welch-Stockton, J., Webinar: A Scoping Review of Age-Friendly Cities and Communities: A Comprehensive Look Into the Health and Social Outcomes of Global Interventions, Presented at the global webinar by World Health Organization, Western Pacific Region. Nov., 2021.
6. Urban Green Spaces and Wellbeing, Global Centre on Healthcare and Urbanisation, Kellogg College, University of Oxford, Mar., 2020. Video recording available at: www.kellogg.ox.ac.uk/news/urban-green-spaces-and-wellbeing-watch-the-film
7. 'Prevention is Better than Cure:' Assessing the Public Health Implications of Urban Land Use Decisions, World Car Free Day London Summit, Sep., 2019.

Invited talks, seminars, and special sessions

1. Urban Environments for Healthy Aging. Young Scholar Society Seminar, Korean Planning Association, May, 2024.
2. Resilient Places for Healthy Aging. Hyde Lecture Series, University of Nebraska, Lincoln, Mar., 2024.
 - Poster: <https://architecture.unl.edu/degree-programs/2023-24-hyde-lecture-series>
 - Video recording: <https://www.youtube.com/watch?v=yQfJ9jPOATg>
3. Urban Infrastructure for Healthy Aging. Smart Urban Design Lab Seminar, Chung-Ang University, Korea, Dec., 2023.
4. Designing Age-Friendly Cities and Communities. Free Library, Philadelphia. Oct., 2023.
5. Urban AI: Enabling Smart, Healthy Cities through a Convergent Approach to Urban Planning and AI. Presented at the Tae-An AI Industry Promotion Agency. Tae-An, Korea. Jul., 2023.
6. Integrating Urban Planning and AI for Healthy Cities. Presented at the Smart Health Care City Workshop, City of Jeonng-Eup, Korea. Jul., 2023.
7. Built Environment Factors Related to Pedestrian and Bicycle Safety: A Case of Salt Lake County, Utah. Utah Zero Fatalities Safety Summit, Layton, UT, Apr., 2023.
8. Transportation for an Aging Population: A Mixed-method Research. Department of Urban Design and Studies, Chung-Ang University, Korea, Dec., 2022.
9. Lessons Learned from Smart City Development around the World. Smart Healthy City Seminar, College of Health Science, Korea University, Seoul, Korea. Aug., 2022.
10. Healthy Urban Planning: Making the Connection between Urban Form and Air Pollution, College of Health Science, Korea University, Apr., 2022.
11. Rethinking Healthy Cities in a Post-Pandemic World, Global Change and Sustainability Center, University of Utah, Apr, 2022.
 - Seminar website: <https://sustainability.utah.edu/gcsc-seminar-city-planning-for-health-and-wellbeing/>
12. Building Healthy Cities through Nature-based Solutions. HY-GRIP Seminar. Graduate School of Urban Studies, Hanyang University, Jan., 2022.
13. Towards Healthy Cities: The Role of Green Space. Ph.D. Seminar. Department of City & Metropolitan Planning, University of Utah, Oct., 2021.

14. Green Healthy City Research: Crowdsourcing App Development. Department of Urban Design and Studies, Chung-Ang University, Korea, Nov., 2020.
15. Healthy Cities and Green Space: From Garden City to Healthy New Towns, Healthy City Forum, Healthy New Town Research Consortium, Korea, Nov., 2020.
16. Healthy Mobility Research: A Natural Experimental Approach, Green Transportation Research Group, Korea Planning Association, Oct., 2020.
17. Making Sense of the Connection between Transportation and Health: A Natural Experimental Approach, Department of City & Metropolitan Planning, University of Utah, Oct., 2020.
18. Neighbourhood green space and health in Cali, Colombia, PEAK Urban Research, Centre on Migration, Policy and Society (COMPAS), University of Oxford, May., 2020.
19. Healthy Cities from the Bottom Up: A Human-centred Approach to Urban and Transport Planning , The Centre for Diet & Activity Research, MRC Epidemiology Unit, University of Cambridge, Mar., 2020.
 - Seminar website: <http://www.mrc-epid.cam.ac.uk/event/seminar-dr-andy-hong>
 - Video recording: <https://www.youtube.com/watch?v=zNYV-RWOjrk>
20. Impact Plan for the Research on Greens Space and Health, Planning for Impact in International Development Research Projects, Oxford University. Nov., 2019.
21. Health and Place: Understanding Exposure and Behaviour Pathways, Leverhulme Centre for Demographic Science, Oxford University, Jun., 2019.
22. Turning Data into Action: A Data-driven Approach to Building Healthier and Smarter Cities. UCL The Bartlett Centre for Advanced Spatial Analysis, Mar., 2019
23. Roadway Closure: Implications for Urban Air Quality Management. Nature, Health and Built Environment (NHBE), St. Catherine's College, Oxford University. Feb., 2019.
24. From Sensing to Big Data: A Data-driven Approach to Addressing Environmental Health Inequalities, University of North Carolina at Charlotte, Jan., 2019.
25. Smart Cities for Health: Using Crowd-sourced 'Big Data' to Tackle Noise Pollution in a Rapidly Growing City. Young Scholar Society, Korea Planning Association, Seoul. Aug., 2018.
26. Leveraging Crowd-sourced Data to Tackle Noise Pollution in a Rapidly Growing City. Korea Institute of Science and Technology (KIST), Seoul. Aug., 2018.
27. Healthy Cities: Towards Building Healthier and Smarter Communities through Urban Planning and Technology. Univ. of Toronto, Mississauga, ON. Feb., 2018.
28. Building Healthier Communities through Urban Planning and Technology. OEH Seminar, School of Population and Public Health, Univ. of British Columbia, Vancouver, BC. Feb., 2018.
29. Does Switching to Green Transportation Help Us Breathe Cleaner Air? SCARP Research Conversation, School of Community and Regional Planning, Univ. of British Columbia, Vancouver, BC. Apr., 2017.
30. New Light Rail Transit and Active Travel: A Longitudinal Study. Civil Engineering Transportation Seminar. Univ. of British Columbia, Vancouver, BC. Nov., 2016.
31. Commuter's Paradox: Does Switching from Car to Light Rail Help Us Breathe Clean Air? Southern California Association of Governments. Los Angeles, CA. Jul., 2016.
32. Healthy Mobility: Untangling the Relationships between the Built Environment, Travel Behavior, and Environmental Health, Central Washington University, Seattle, WA. Feb. 2016.
33. Healthy Transportation: Integrated Framework for Understanding the Link between Transportation, Physical Activity, and Air Pollution, Korea Transport Institute, Korea. Jul., 2014.
34. Can Light Rail Increase Neighborhood Physical Activity? METTRANS research seminar, Univ. of Southern California. Los Angeles, CA. May., 2014.
35. Measuring Bicyclists' Exposure to Traffic Emissions: An Application of Mobile Monitoring, Southern California Association of Governments. Los Angeles, CA. Nov., 2011.

LEADERSHIP, SERVICE & COMMUNITY ENGAGEMENT

University service

Review Committee for the Sustainability Research Grant (1U4U Seed Grant), Office of Vice President for Research, University of Utah	2024 - Current
Inaugural faculty member, Design Institute for Health and Resilience, University of Utah	2024 - Current
AY 2024 PhD Admissions Committee (Chair), Department of City and Metropolitan Planning, University of Utah	Winter 2023
Visiting Assistant Faculty Search Committee, Department of City and Metropolitan Planning, University of Utah	Spring 2023
Utah Asia Campus (UAC) Faculty Search Committee, Department of City and Metropolitan Planning, University of Utah	Fall 2022
AY 2022 PhD Admissions Committee, Department of City and Metropolitan Planning, University of Utah	Winter 2021
AY 2021 PhD Admissions Committee, Department of City and Metropolitan Planning, University of Utah	Winter 2020
FacTech Committee, College of Architecture + Planning, University of Utah	2021 - Current

Academic service

Review editor for: Frontiers in Sustainable Cities	2021 - Current
Referee for: American Journal of Preventive Medicine American Journal of Public Health Journal of Urban Health Environment and Planning B Urban Studies Journal of Planning Education and Research Sustainable Cities and Society Environment International Travel Behavior and Society Transport Policy Journal of Transport Geography Urban Forestry & Urban Greening	2013 - Current

Academic leadership

Executive Board Member, Academy of Urban Health, Korea	2022 - Current
Advisory Board Member, Age-Friendly Communities Symposium, University of Utah	2021 - 2022
Co-founder, Healthy City Futures, Department of City and Metropolitan Planning, University of Utah (twitter.com/healthycityfutr)	2018 - Current
Member, Planetary Health Network, School of Population and Public Health, University of British Columbia	2018 - Current
Member, Healthy City Research Think Tank, Canadian Institute of Health Research (CIHR), Canada	2017 - 2018
Member, Neighborhood Factor Team, Canadian Urban Environmental Health Research Consortium (CANUE), Canada	2016 - 2018
Member, British Columbia Healthy Built Environment Alliance	2016 - 2020

Community service and engagement

Advisory Committee, 2024 Regional Solutions Event on Aging in Place, Office of Regional Development, Salt Lake County	2023 - Current
Member of the Policy Subcommittee, Active Transportation Policy Council, City of Vancouver, British Columbia, Canada	2017 - 2018
Founding Member, Price Transportation Group, USC METRANS Transportation Center, Los Angeles, CA	2015 - 2016
GPSS Representative, Student Transportation Task Force, Graduate and Professional Student Senate, University of Washington, Seattle, WA	2010 - 2011
Member, Seattle Innovators (non-profit), Seattle, WA	2009 - 2011

PROFESSIONAL MEMBERSHIPS

Association of Collegiate Schools of Planning
 American Planning Association
 American Association of Geographers
 Royal Geographical Society
 European Association of Geographers
 American Public Health Association
 International Society of Behavioral Nutrition and Physical Activity
 Active Living Research
 International Society of Exposure Science
 International Society for Environmental Epidemiology
 Association of Information Science and Technology
 Association of Pedestrian and Bicycle Professionals
 Transportation Research Board

INNOVATION & ENTREPRENEURSHIP

Greenspace Hack: A collaborative project with local governments aiming at developing a crowdsourced-enabled smartphone app with multiple choice items and free text based on understanding and usability of green space. (andyhong.org/innovations)

CitySensor: An interdisciplinary project to develop a mobile environmental monitoring platform using Arduino (open-source prototyping platform) and commercially available air pollution and meteorology monitoring devices. (andyhong.org/innovations)

BikePed Analytics: A collaboration with UCLA and Placemeter™ to apply and validate computer-vision technology to detect and quantify pedestrians, bicyclists, and vehicles using real-time video feeds from IP cameras and CCTV cameras. (andyhong.org/innovations)

MEDIA COVERAGE

Spotlight Delaware. Sep. 19, 2024. As Delaware grows older, age-restricted developments look to capitalize <https://spotlightdelaware.org/2024/09/19/as-delaware-grows-older-age-restricted-developments-look-to-capitalize>

Newsweek. Sep. 27, 2023. How These Five Cities Are Leading the Way to a Greener World <https://www.newsweek.com/2023/10/06/how-these-five-cities-are-leading-way-greener-world-1829866.html>

New York Times. Mar. 16, 2023. 6 Cities on 5 Continents That Are Reimagining Urban Life <https://www.nytimes.com/2023/03/16/world/cities-urban-development-lisbon-paris-sydney-singapore-durban-medellin.html>

TheCityFix. Mar. 1, 2022. What Are We Learning About Urban Wellbeing During COVID-19? <https://thecityfix.com/blog/what-are-we-learning-about-urban-wellbeing-during-covid-19>

BBC Radio. Sep. 9, 2020. Radio interview as part of Costing the Earth episode, "Autopia to Utopia? Car-Free Cities". <https://www.bbc.co.uk/programmes/m000mb3g>

eldiario.es, Jan. 23, 2020, (In Spanish) El alcalde de Gante tuvo que ponerse chaleco antibalas por restringir el tráfico, ahora Birmingham copia su exitoso modelo. https://www.eldiario.es/ballenablanca/365_dias/alcalde-Gante-antibalas-restringir-Birmingham_0_987951801.html

- CBC. Mar. 23, 2019. The closer you live to an urban greenway, the more physically active you are, says UBC study. <https://www.cbc.ca/news/canada/british-columbia/greenways-make-us-more-active-1.5069351>
- StreetsBlog USA. Mar. 26, 2019. Good Bike and Ped Infrastructure Actually Makes Neighbors Healthier <https://usa.streetsblog.org/2019/03/26/study-good-bike-and-red-infrastructure-actually-makes-neighbors-healthier>
- CityLab. 2016. When Light Rail Opens, Do People Really Get More Exercise? <https://www.bloomberg.com/news/articles/2016-09-08/transportation-research-la-s-expo-light-rail-had-mixed-effects-on-physical-activity>

SKILLS & TOOLS

Statistical programming	R (lme4, dplyr, ggplot2), Python (SciPy, NumPy, scikit-learn), Stata, SAS
Spatial analysis	ArcGIS (model builder, network analyst), QGIS, CartoDB, MapBox, Leaflet.js
Databases	MySQL, PostgreSQL, Google BigQuery, Amazon Web Services (AWS)
Data visualization	Tableau, Story Maps, Photoshop, Sketch-up, JavaScript (D3.js, Plotly.js), R (shiny)
Language	Bilingual (English-Korean)

Last updated June 2024