

## CURRICULUM VITAE (UPDATED ON 5/7/2021)

### Yingling Fan, Ph.D.

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Fan's research focuses on urban land use, transportation planning, and the impacts of urban planning on human health and social equity. Her recent work focuses on public transportation development, emotional well-being in cities, and community-engaged transportation equity research. She has published over 100 refereed articles, book chapters, and research reports in high-impact outlets across multiple disciplines, including *Transportation Research Part A, Part C & Part F* and *Transportation* in the field of transportation; *Environment and Planning A & B*, *Journal of Planning Literature*, *Journal of Planning Education and Research*, and *Urban Studies* in the field of urban planning; and *Social Science & Medicine* and *American Journal of Preventive Medicine* in the field of public health. She has directed and co-directed over 40 research projects, attracting more than 20 million U.S. dollars in research funding. She was an invited speaker for over 90 events. Her award-winning work appeared in leading media outlets including the Time Magazine, National Geographic, and the Atlantic.

Fan is the PhD Program Director of the Humphrey School of Public Affairs at University of Minnesota since 2019. She is responsible for strategic direction, academic personnel, and curriculum planning of the school-wide PhD program that involves over 20 faculty members and 35-40 Ph.D. students. Fan is also the founding director of the Global Transit Innovation program (GTI) at the University of Minnesota since 2015. GTI is a global research and education program that promotes international collaboration opportunities for students, researchers, and practitioners in the field of public transportation planning. In addition, Fan serves as Co-Chair of the Global Planning Education Committee at the Association of Collegiate Schools of Planning (ACSP) since 2019. ACSP is the scholarly association of over 100 university planning departments in the U.S. and Canada.

Fan holds multiple editorial leadership positions. She has served as the Editor-in-Chief of the *Journal of Transport and Land Use* (JTLU) since 2019 and Managing Editor of the *Urban Studies* journal since 2020. Established in 2008, JTLU is a flagship journal at the intersection of transportation and land use planning. Established in 1964, *Urban Studies* is the leading international journal for urban scholarship. As one of the four Managing Editors at *Urban Studies*, Fan will serve as the Editor-in-Chief of the *Urban Studies* journal every four years starting in 2022.

Besides being an accomplished academic scholar and leader, Fan is a successful inventor and entrepreneur. She is the lead inventor of the Daynamica technology, featuring a smartphone-human hybrid intelligence system to measure and shape human behavior and well-being. The technology was granted a US Patent (#9763055B2) in 2017. In 2018, she co-founded Daynamica, Inc. and served as the company's founding CEO. Since its establishment, Daynamica, Inc. has had a track record of developing smartphone apps to collect human behavior and well-being data for academic institutions and government agencies.

### Positions

2018-present, **Professor**, Urban and Regional Planning Program, Hubert H. Humphrey School of Public Affairs, University of Minnesota

2019-present, **Ph.D. Program Director**, Hubert H. Humphrey School of Public Affairs, University of Minnesota

2020-present, **Managing Editor**, *Urban Studies*

2019-present, **Editor-in-Chief**, *Journal of Transport and Land Use*

2019-present, **Co-Chair**, Global Planning Education Committee, Association of Collegiate Schools of Planning

2015-present, **Director**, Global Transit Innovations Program, University of Minnesota

2008-present, **Faculty Scholar**, Center for Transportation Studies, University of Minnesota

2008-present, **Affiliate Faculty**, Minnesota Population Center, University of Minnesota

2016-2019, **Research Scholar**, Urban Research and Outreach-Engagement Center, University of Minnesota

2017, **Interim Director**, Urban and Regional Planning Program, University of Minnesota

2014-2018, **Associate Professor**, Urban and Regional Planning Program, Hubert H. Humphrey School of Public Affairs, University of Minnesota

2008-2014, **Assistant Professor**, Hubert H. Humphrey School of Public Affairs, University of Minnesota

2010-2011, **Visiting Fellow**, Peking University-Lincoln Institute Center for Urban Development and Land Policy

2007–2008, **Visiting Assistant Professor**, Department of Urban Planning, University of Illinois, Chicago

2006–2007, **Research Intern**, Highway Safety Research Center, Chapel Hill, NC

2003-2007, **Graduate Research Assistant**, Department of City and Regional Planning, University of North Carolina at Chapel Hill

2001–2003, **Assistant Researcher**, Transportation College, Southeast University, Nanjing, China

### **Education**

**Ph.D. in City and Regional Planning**, University of North Carolina at Chapel Hill (2007)

**B.S. in Transportation Engineering**, Southeast University, Nanjing, China (2001)

### **Awards and Honors**

2020 Research Partnership Award, Center for Transportation Studies, University of Minnesota

2018 Instructor of the Year Award, Humphrey School of Public Affairs, University of Minnesota

2016 Honorary Member Award, Women’s Transportation Seminar Minnesota Chapter

2014 Richard P. Braun Distinguished Service Award, Center for Transportation Studies, University of Minnesota

2014 President's Community-Engaged Scholar Finalist, University of Minnesota

2012-2014 McKnight Land-Grant Professorship Award, University of Minnesota

2011 Collaborator of the Year Award, Hennepin County-University Partnership, Minnesota

2011 New Initiatives Award, Center for Urban and Regional Affairs, University of Minnesota

2009-2013 Scholar Award, Children, Youth and Family Consortium, University of Minnesota

2009 Patricia F. Waller Award, Transportation Research Board, Washington, DC

2008 Pedestrian Committee Best Paper Award, Transportation Research Board, Washington, DC

2007 Journal of Planning Education and Research Writing Workshop Scholarship, Berkeley, CA

2003-2005 Merit-based Assistantship Award, UNC-Chapel Hill

1997-2001 Outstanding Student Award, Southeast University, China

## Patent

**Fan, Y.,** Wolfson, J., and Adomavicius, G. (2017). Travel and Activity Capturing. United States Patent and Trademark Office. Patent No. US9763055B2. Grant Date: September 12, 2017.

## Publications

(Underline denotes that coauthor was graduate student or research associate under my supervision; \* denotes that I served as the corresponding author for the article.)

### **Refereed Journal Articles**

1. Wexler, N., **Fan, Y.\***, Das, K., & French, S. (2021). Randomized Informational Intervention and Adult Park-Use and Park-Based Physical Activity Behaviors in Low-Income, Racially Diverse Urban Neighborhoods. *Journal of Physical Activity and Health*. Accepted.
2. Wexler, N., Ryan, G., Das, K., & **Fan, Y.\*** (2021). Free Transit Passes and School Attendance among High School Students. *Transportation Research Record*. <https://doi.org/10.1177/0361198121996360>.
3. Song, Y., Ren, S., Wolfson, J., Zhang, Y., Brown, R., & **Fan, Y.** (2021). Visualizing, clustering, and characterizing activity-trip sequences via weighted sequence alignment and functional data analysis. *Transportation Research Part C: Emerging Technologies*, 126, 103007.
4. French, S. A., **Fan, Y.**, Kunin-Batson, A. S., Berge, J. M., Kohli, N., Lamm, R. Z., & Sherwood, N. E. (2021). Three-Year Changes in Low-Income Children's Physical Activity: Prospective Influence of Neighborhood Environment and Parent Supportive Behavior. *The Journal of Pediatrics*: X, 6, 100066.
5. Das, K., Jones-Harrell, C., **Fan, Y.**, Ramaswami, A., Orlove, B., Botchway, N. (2020). Understanding subjective well-being: perspectives from psychology and public health. *Public Health Review*, 41 (1),1-32.
6. Ambrose, G., Das, K., **Fan, Y.**, & Ramaswami, A. (2020). Is gardening associated with greater happiness of urban residents? A multi-activity, dynamic assessment in the Twin-Cities region, USA. *Landscape and Urban Planning*, 198, 103776.
7. Miller, J. M., **Fan, Y.**, Sherwood, N. E., Osypuk, T., & French, S. (2020). Are low income children more physically active when they live in homes with bigger yards? A longitudinal analysis of the NET-Works Study. *Health & Place*, 63, 102330.
8. Le, H. T., Buehler, R., **Fan, Y.**, & Hankey, S. (2020). Expanding the positive utility of travel through weeklong tracking: Within-person and multi-environment variability of ideal travel time. *Journal of Transport Geography*, 84, 102679.
9. Lal, R. M., Das, K., **Fan, Y.**, Barkjohn, K. K., Botchwey, N., Ramaswami, A., & Russell, A. G. (2020). Connecting air quality with emotional well-being and neighborhood infrastructure in a US city. *Environmental Health Insights*, 14, 1178630220915488.
10. Tao, T., Wu, X., Cao, J., **Fan, Y.**, Das, K., & Ramaswami, A. (2020). Exploring the Nonlinear Relationship between the Built Environment and Active Travel in the Twin Cities. *Journal of Planning Education and Research*, 0739456X20915765.
11. French, S. A., Sherwood, N. E., **Fan, Y.**, Kunin-Batson, A., & Berge, J. M. (2020). Perceived Environment, Parent Supportive Behaviors and Changes in Pre-school Children's Physical Activity over Three Years. *Annals of Behavioral Medicine*, Vol. 54, pp. S501-S501.
12. Brown, R., Fan, Y., Das, K., & Wolfson, J. (2020). Iterated multisource exchangeability models for individualized inference with an application to mobile sensor data. *Biometrics*.

13. Glasgow, T. E., Le, H. T., Geller, E. S., **Fan, Y.**, & Hankey, S. (2019). How transport modes, the built and natural environments, and activities are associated with mood: A GPS smartphone app study. *Journal of Environmental Psychology*, doi: 10.1016/j.jenvp.2019.101345.
14. **Fan, Y.\***, Brown, R., Das, K., Wolfson, J. (2019) Understanding trip happiness using smartphone-based data: The effects of trip- and person-level characteristics. *Transport Findings*. DOI: 10.32866/7124.
15. Ji, Y., Gao, L., **Fan, Y.**, and Zhang, R. (2019). Waiting Time Perceptions at Bus and Metro Stations in Nanjing, China: The Importance of Station Amenities, Trip Contexts, and Passenger Characteristics. *Transportation Letters: the International Journal of Transportation Research*, 11 (9), 479-485
16. Yang, S., **Fan, Y.\***, Deng, W, and Cheng, L. (2019) Do built environment effects on travel behavior differ between household members? A case study of Nanjing, China. *Transport Policy*, 81, 360-370.
17. Chen, S., **Fan, Y.**, Cao, Y., & Khattak, A. (2019). Assessing the relative importance of factors influencing travel happiness. *Travel Behaviour and Society*, 16, 185-191.
18. Wu, X., Tao, T., Cao, J., **Fan, Y.**, & Ramaswami, A. (2019). Examining threshold effects of built environment elements on travel-related carbon-dioxide emissions. *Transportation Research Part D: Transport and Environment*, 75, 1-12.
19. Wang, L., Ma, W., **Fan, Y.**, and Zuo, Z. (2019). Trip chain extraction using smartphone-collected trajectory data. *Transportmetrica B: Transport Dynamics*. 7(1): 225-274.
20. Zhu, J., and **Fan, Y.\*** (2018). Daily travel behavior and emotional well-being: Effects of trip mode, duration, purpose, and companionship. *Transportation Research Part A: Policy and Practice*. 118: 360-373.
21. Guthrie, A., Burga, H., and **Fan, Y.\*** (2018). Collaboration in mitigating spatial and skills mismatch: Exploring shared understandings between transit planners and workforce professionals. *Journal of Transport and Land Use*. 11(1): 1081-1100.
22. Sun, T. and **Fan, Y.** (2018). Inequitable job accessibility across educational and hukou groups in Beijing: An analysis of transit-based accessibility to sectoral jobs. *Journal of Transport and Land Use*. 11(1): 791-803.
23. Song, Y., **Fan, Y.**, Li, X., Ji, Y. (2018). Multidimensional Visualization of Transit Smartcard Data Using Space-Time Plots and Data Cubes. *Transportation*. 45(2): 311-333.
24. Qi, Y., **Fan, Y.\***, Hu, L., and Sun, T. (2018). Decade-long changes in spatial mismatch in Beijing, China: Are disadvantaged population better or worse off? *Environment and Planning A*. 50(4): 848-868.
25. Zhu, J., & **Fan, Y.\*** (2018). Commute happiness in Xi'an, China: Effects of commute mode, duration, and frequency. *Travel Behaviour and Society*, 11, 43-51.
26. Li, X., **Fan, Y.\***, and Wu, L. (2017). CO2 emissions and expansion of railway, road, airline and in-land waterway networks over the 1985-2013 period in China: A time series analysis. *Transportation Research Part D: Transport and Environment*, 57: 130-140.
27. Martin, B.D., Addona, V., Wolfson, J., Adomavicius, G., **Fan, Y.** (2017) Methods for Real-Time Prediction of the Mode of Travel Using Smartphone-Based GPS and Accelerometer Data. *Sensors*, 17: 2058-78.
28. Xu, W., Guthrie, A., **Fan, Y.**, and Li, Y. (2017). Transit-Oriented Development in China: Literature Review and Evaluation of TOD Potential across 50 Chinese Cities. *Journal of Transport and Land Use*, 10(1): 743-762.
29. Guthrie, A., **Fan, Y.**, and Das, K. (2017). Accessibility Scenario Analysis of Hypothetical, Future Transit

Network: Social Equity Implications of GTFS-Based, Sketch Planning Tool. *Transportation Research Record*, No. 2671: 1-9.

30. Li, X., **Fan, Y.**, Shaw, J., and Qi, Y. (2017). A Fuzzy AHP Approach to Compare Transit System Performance in U.S. Urbanized Areas. *Journal of Public Transportation*, 20(2): 66-89.
31. Das, K., **Fan, Y.\***, and French, S. (2017). Park-Use Behavior and Perceptions by Race, Hispanic Origin, and Immigrant Status in Minneapolis, MN: Implications on Park Strategies for Addressing Health Disparities. *Journal of Immigrant and Minority Health*, 19(2): 318-327.
32. **Fan, Y.\*** (2017). Household structure and gender differences in travel time: spouse/partner presence, parenthood, and breadwinner status. *Transportation*, 44(2): 271-291.
33. Hu, L., **Fan, Y.**, and Sun, T. (2017). Spatial or socioeconomic inequality? Job accessibility changes for low- and high-education population in Beijing, China. *Cities*, 66: 23-33.
34. French, S., Sherwood, N., Mitchell, N., and **Fan, Y.** (2017). Park use is associated with less sedentary time among low-income parents and their preschool child: The NET-Works study. *Preventive Medicine Reports*. 5, 7-12.
35. Ji, Y., **Fan, Y.\***, Ermagun, A., Cao, X., Wang, W., Das, K. (2017). Public Bicycle as a Feeder Mode to Rail Transit in China: The Role of Gender, Age, Income, Trip Purpose, and Bicycle Theft Experience. *Journal of Sustainable Transportation*. 11(4), 308-317.
36. Ermagun, A., **Fan, Y.\***, Wolfson, J., Adomavicius, G., Das, K. (2017) Real-Time Trip Purpose Prediction Using Online Location-Based Search and Discovery Services. *Transportation Research Part C: Emerging Technologies*, 77: 96-112.
37. **Fan, Y.\***, Guthrie, A., and Levinson, D. (2016). Perception of Waiting Time at Transit Stops and Stations: Effects of Basic Amenities, Gender, and Security. *Transportation Research Part A*, 88, 251-264.
38. Guthrie, A. and **Fan, Y.** (2016) Developers' Perspectives on Transit-Oriented Development. *Transportation Policy*, 51, 103-114.
39. **Fan, Y.\*** (2016). Community-Based Participatory Research on Urban Parks and Health Disparities: Perspectives from an Urban Planning Researcher. *Journal of Community Engagement and Higher Education*, 8(3), 25-34.
40. Martin, L., **Fan, Y.**, Dukes, N., Hearst, M., and Jordan, C. (2016). The Scholars Program Learning Circle: An Example of Capacity Building in the Academy for Engaged Team Science. *Journal of Community Engagement and Higher Education*, 8(3), 26-24.
41. Guthrie, A. and **Fan, Y.** (2016). Weakening obstacles to transit use: Changes in relationships with child rearing and automobile access from 2000 to 2011. *Transportation Research Record*. No. 2565, 103-110.
42. Lagune-Reutler, M., Guthrie, A., **Fan, Y.**, and Levinson, D. (2016). Waiting area environments and waiting time perception at transit stops: Impacts of trees, traffic, and polluted air. *Transportation Research Record*. No. 2543, 82-90.
43. **Fan, Y.\***, Allen, R. and Sun, T. (2014) Spatial mismatch in Beijing, China: Implications of job accessibility for Chinese low-wage workers. *Habitat International*, 44, 202-210.
44. Tilahun, N. and **Fan, Y.** (2014) Transit and Job Accessibility: An Empirical Study of Access to Competitive Clusters and Regional Growth Strategies for Enhancing Transit Accessibility. *Transport Policy*, 33, 17-25.
45. Guthrie, A. and **Fan, Y.** (2013) Streetcars and recovery: An analysis of post-Katrina building permits around New Orleans streetcar lines. *Journal of Planning Education and Research*, 33(4), 381-394. [Most

Read Article, December 2013]

46. **Fan, Y.\*** and Guthrie, A. (2013). Doing business around transit corridors: Survey research on business perceptions of fixed-guideway transit projects. *Transportation Research Record, No. 2351*, 142-152.
47. **Fan, Y.\***, French, S., and Das, K. (2012). Family structure and park use among parents. *American Journal of Preventive Medicine*, 43(5), 520–526
48. **Fan, Y.\*** and Chen, Q. (2012). Family functioning as a mediator between neighborhood conditions and children's health: Evidence from a national survey in the United States. *Social Science & Medicine*, 74(12), 1939-47.
49. **Fan, Y.\*** and Khattak, A. (2012). Time use patterns, lifestyles, and sustainability of nonwork travel behavior. *International Journal of Sustainable Transportation*, 6(1), 26-47.
50. **Fan, Y.\*** (2012). The planners' war against spatial mismatch: Lessons learned and ways forward. *Journal of Planning Literature*, 27(2) 153-169.
51. **Fan, Y.\*** and Guthrie, A. (2012) Winners or losers: Resident perceptions of transit-induced neighborhood change. *Transportation Research Record*, 2276, 89-100.
52. **Fan, Y.\***, Guthrie, A., and Levinson, D. (2012). Impact of light rail implementation on labor market accessibility: A transportation equity perspective. *Journal of Transport and Land Use*, 5(3), 28-39.
53. Cao, X. and **Fan, Y.** (2012). Exploring the influences of density on travel behavior using propensity score matching. *Environment and Planning B*, 39 (3), 459-470.
54. **Fan, Y.\***, Das, K., and Chen, Q. (2011). Neighborhood green, social support, physical activity, and stress: Assessing the cumulative impact. *Health & Place*, 17(6), 1202–1211. [Most Downloaded Article, November 2011]
55. **Fan, Y.\***, Khattak, A., and Rodriguez, D. (2011). Household excess travel and neighborhood characteristics: Associations and trade-offs. *Urban Studies*, 48(6), 1235-1253.
56. **Fan, Y.\*** (2010). Re-examining contemporary urbanism in the United States: Convenient mix of the old and the new. *Environment and Planning A*, 42(12), 2897-2913.
57. **Fan, Y.\*** (2010). Urban form and family-engaged active leisure: Impact assessment using Census data and nighttime lights satellite images. *Geocarto International*, 25(6), 453-470.
58. Cao, X., Xu, Z., and **Fan, Y.** (2010). Exploring the connections among residential location, self-selection, and driving: Propensity score matching with multiple treatments. *Transportation Research Part A: Policy and Practice*. 44(10), 797-805.
59. **Fan, Y.\*** and Khattak, A. (2009). Does urban form matter in solo and joint activity engagement? *Landscape and Urban Planning*, 92(3-4), 199-209.
60. **Fan, Y.\*** and Song, Y. (2009). Is sprawl associated with a widening urban–suburban mortality gap? *Journal of Urban Health*, 86(5), 708-728.
61. Wang, X., Khattak, A., and **Fan, Y.** (2009). Role of Dynamic Information in Supporting Changes in Travel Behavior Two-Stage Process of Travel Decision. *Transportation Research Record, No. 2138*, 85-93.
62. **Fan, Y.\*** and Khattak, A. (2008). Urban form, individual spatial footprints, and travel: An examination of space-use behavior. *Transportation Research Record, No. 2082*, 98-106.
63. Khattak, A., **Fan, Y.**, and Teague, C. (2008). Economic impacts of traffic incidents on businesses. *Transportation Research Record, No. 2067*, 93-100.

64. Khattak, A. and **Fan, Y.** (2008). What exacerbates injury and harm in car-SUV collisions? *ASCE Journal of Transportation Engineering*, 134(2), 93-104.
65. Zegeer, C., Blomberg, R., Henderson, D., Marchetti, L., Masten, S., **Fan, Y.**, Brown, A., Stutts, J., Sandt, L., and Thomas, L. (2008). Evaluation of the Miami-Dade pedestrian safety demonstration project. *Transportation Research Record*, No. 2073, 1-10. (2008 PATRICIA F. WALLER AWARD: Outstanding Paper on Safety and System Users)
66. Khattak, A., Pan, X., Williams, B., Roupail, N., and **Fan, Y.** (2008). Traveler information delivery mechanisms: Impact on consumer behavior. *Transportation Research Record*, No. 2069, 77-84.
67. **Fan, Y.\***, Khattak, A., and Shay, E. (2007). Intelligent Transportation Systems: What do publications and patents tell us? *Journal of Intelligent Transportation Systems*, 11(2), 91-103.
68. Song, Y., Gee, G., **Fan, Y.**, and Takeuchi, D. (2007). Do physical neighborhood characteristics matter in predicting traffic stress and health outcomes? *Transportation Research Part F: Traffic Psychology and Behavior*, 10(2), 164-176.
69. Shay, E., **Fan, Y.**, Khattak, A., and Rodriguez, D. (2006). Drive or walk? Utilitarian trips within a neo-traditional neighborhood. *Transportation Research Record*, No. 1985, 154-161.
70. **Fan, Y.\***, Li, T., and Xie, Y. (2002). An urban transportation environment impact evaluation model: Applying fuzzy hierarchy analysis and gray clustering analysis. *Environmental Protection in Transportation*, 6(1), 1-14 (in Chinese).
71. Xie, Y., Li, X., and **Fan, Y.** (2004). Urban Road Network Model and Assignment Algorithm Analysis under Traffic Control Condition. *Journal of Highway and Transportation Research and Development*, 21(2), 84-87 (in Chinese).
72. Xie, Y., Li, X., **Fan, Y.**, and Gu, Z. (2003). The Application of MapX in Urban Transportation Planning Information systems. *Transportation and Computers*, 21(1), 27-29 (in Chinese).
73. Xie, Y., Li, X., and **Fan, Y.** (2003). Designing Geographic Information Systems for Urban Transportation Planning. *Transportation Science & Technology*, 196(1), 7-10 (in Chinese).

#### **Invited Articles**

74. Diao, M., Fan, Y., and Zhang, X. (2019). Introduction to special issue: Rail transit development in China and beyond. *Journal of Transport and Land Use*, 12 (1), 237-239.
75. **Fan, Y.\***, French, S., and Das, K. (2013). Park-use behaviors and a pilot park-use promotion program in Minneapolis: Implications for addressing health inequities. *CURA Reporter, Spring2013*, 43(1), 5-13.
76. **Fan, Y.\*** (2010). Neighborhood design, family outdoor activities, and children's well-being. *CYFC Connections, Winter 2010*, 4-7.

#### **Invited Book Review**

77. **Fan, Y.\***(2017). Review of Changing Lanes: Visions and Histories of Urban Freeways, *Journal of Urban Technology*, 23(4), 107-109.
78. **Fan, Y.\*** (2015). Review of Transport, the Environment and Security: Making the Connection. *Journal Planning Education and Research*, 35(3), 391-393.

#### **Book Chapters**

79. Song, Y., Gee, G. C., **Fan, Y.**, and Takeuchi, D. T. (2010). Can neighborhood green alleviate traffic stress? In Hennessy, D. A. (Eds.), *Traffic Psychology: An International Perspective*. New York: Nova Science

Publishers.

### **Research Reports**

80. **Fan, Y.\***, Wexler, N., Guthrie, A., Van Dort, L., & Guo, Y. (2020). Value of Transitways to Regional Economies: National and Twin Cities Perspectives. Center for Transportation Studies, University of Minnesota. Available at <https://hdl.handle.net/11299/217049>
81. **Fan, Y.\***, Becker, A., Ryan, G., Wolfson, J., Guthrie, A., & Liao, C. F. (2020). Smartphone-Based Interventions for Sustainable Travel Behavior: The University of Minnesota Parking Contract Holder Study. Center for Transportation Studies, University of Minnesota. Available at <https://hdl.handle.net/11299/218025>
82. **Fan, Y.\***, Ormsby, T., Wiringa, P., Liao, C. F., & Wolfson, J. (2020). Visualizing Transportation Happiness in the Minneapolis-St. Paul Region. Center for Transportation Studies, University of Minnesota. Available at <https://hdl.handle.net/11299/213957>
83. **Fan, Y.\***, Wiringa, P., Guthrie, A., Ru, J., He, T., Kne, L., & Crabtree, S. (2019). A Global Transit Innovations Data System: Transit Frequency App. Center for Transportation Studies, University of Minnesota. Available at [https://maps.umn.edu/transit-frequency/Transit\\_Frequency\\_App\\_Methodology.pdf](https://maps.umn.edu/transit-frequency/Transit_Frequency_App_Methodology.pdf)
84. Van Dort, L., Guthrie, A., **Fan, Y.\***, & Bass, G. (2019). Advancing Transportation Equity: Research and Practice. Center for Transportation Studies, University of Minnesota. Available at <http://www.cts.umn.edu/Publications/ResearchReports/reportdetail.html?id=2770>
85. Guthrie, A., **Fan, Y.**, Khani, A., & Nowak, J. (2019). Multimodal Connections with Transitways: Ridership, Access Mode, and Route Choice Implications. Center for Transportation Studies, University of Minnesota. Available at <http://www.cts.umn.edu/Publications/ResearchReports/reportdetail.html?id=2758>
86. Douma, F., Cao, J., Corcoran, H., **Fan, Y.**, Lari, A., Rohde, B., Alarcon, F., Dame, R., Karner, K. (2019). The ABC Parking Ramps in Minneapolis: A Unique Past. A Visionary Future. Center for Transportation Studies, University of Minnesota. Available at <http://www.cts.umn.edu/Publications/ResearchReports/reportdetail.html?id=2764>
87. Guthrie, A., **Fan, Y.**, Crabtree, S., Burga, F. (2019) Those Who Need it Most: Maximizing Transit Accessibility and Removing Barriers to Employment in Areas of Concentrated Poverty. Center for Transportation Studies, University of Minnesota. Available at <http://www.cts.umn.edu/Publications/ResearchReports/reportdetail.html?id=2768>
88. **Fan, Y.\***, Guthrie, A., & Das, K. (2016). Spatial and Skills Mismatch of Unemployment and Job Vacancies. Center for Transportation Studies, University of Minnesota. Available at <http://www.cts.umn.edu/Publications/ResearchReports/reportdetail.html?id=2524>
89. Guthrie, A. and **Fan, Y.** (2016). Economic Development Impacts of Bus Rapid Transit. Center for Transportation Studies, University of Minnesota. Available at <http://www.cts.umn.edu/Publications/ResearchReports/reportdetail.html?id=2490>
90. **Fan, Y.\*** and Das, K. (2015) *Assessing the Impacts of Student Transportation on Public Transit*. Center for Transportation Studies, University of Minnesota. Available at <http://www.cts.umn.edu/Publications/ResearchReports/reportdetail.html?id=2488>
91. Levinson, D., Boies, A., Cao, J., and **Fan, Y.** (2015). *The Transportation Futures Project: Planning for Technology Change*. Center for Transportation Studies, University of Minnesota. Available at <http://www.cts.umn.edu/Publications/ResearchReports/reportdetail.html?id=2482>



92. Cao, J., **Fan, Y.**, Guthrie, A., and Zhang, Y. (2015). *Exploring Strategies for Promoting Modal Shifts to Transitways*. Center for Transportation Studies, University of Minnesota. Available at <http://www.cts.umn.edu/Publications/ResearchReports/reportdetail.html?id=2478>
93. Levinson, D., Lindsey, G., **Fan, Y.**, Cao, J., Iacono, M., Brosnan, M., Guthrie, A., and Schoner, J. (2015). *Travel Behavior Over Time*. Center for Transportation Studies, University of Minnesota. Available at <http://www.cts.umn.edu/Publications/ResearchReports/reportdetail.html?id=2460>
94. **Fan, Y.\*** (2015). *National Transit Map - United States: Methodology Report*. Center for Transportation Studies, University of Minnesota. Available at <http://www.cts.umn.edu/Publications/ResearchReports/reportdetail.html?id=2470>
95. **Fan, Y.\***, Wolfson, J., Adomavicius, G., Das, K., Khandelwal, Y., and Kang, J. (2015). *SmarTrAC: A Smartphone Solution for Context-Aware Travel and Activity Capturing*. Center for Transportation Studies, University of Minnesota. Available at <http://www.cts.umn.edu/Publications/ResearchReports/reportdetail.html?id=2424>
96. **Fan, Y.\*** and Guthrie, A. (2013). *Research on How to Achieve System-Level, Transit Oriented Jobs-Housing Balance*. Research conducted for the Twin Cities Metropolitan Council as part of the Corridors of Opportunity Initiative funded by the U.S. Department of Housing and Urban Development. Available at <http://www.corridorsofopportunity.org/activities/u-of-m-research>
97. **Fan, Y. \***, Tilahun, N. (2012). *Maximizing the Benefits of Transitway Investment*. Center for Transportation Studies, University of Minnesota. Available at <http://www.cts.umn.edu/Publications/ResearchReports/reportdetail.html?id=2136>
98. **Fan, Y. \***, Chen, Q., Liao, C., and Douma, F. (2012). *Smartphone-Based Travel Experience Sampling and Behavior Intervention among Young Adults*. Center for Transportation Studies, University of Minnesota. Available at <http://www.cts.umn.edu/Publications/ResearchReports/reportdetail.html?id=2142>
99. **Fan, Y. \*** and Guthrie, A. (2012). *Assessing Neighborhood and Social Influences of Transit Corridors*. Center for Transportation Studies, University of Minnesota. Available at <http://www.cts.umn.edu/Publications/ResearchReports/reportdetail.html?id=2162>
100. **Fan, Y.\*** and Huang, A. (2011). *How Affordable is Transportation? A Context-Sensitive Evaluation Framework*. Center for Transportation Studies, University of Minnesota. Available at <http://www.cts.umn.edu/Publications/ResearchReports/pdfdownload.pl?id=1532>
101. **Fan, Y.\***, Guthrie, A., and Teng, R. (2010). *Impact of Twin Cities Transitways on Regional Labor Market Accessibility: A Transportation Equity Perspective*. Center for Transportation Studies, University of Minnesota. Available at <http://www.cts.umn.edu/Publications/ResearchReports/reportdetail.html?id=1940>
102. Renne, J., **Fan, Y.**, and et al. (2010). *State of the Transportation Planning*. Transportation Planning Division, American Planning Association. Available at [http://www.apa-tpd.org/TPDAnnualReport\\_files/TPD\\_State\\_of\\_Transportation\\_%282010%29.pdf](http://www.apa-tpd.org/TPDAnnualReport_files/TPD_State_of_Transportation_%282010%29.pdf)
103. Kirk, K., **Fan, Y.**, and et al. (2010). *Framework for Measuring Sustainable Regional Development for the Twin Cities Region*. Center for Transportation Studies, University of Minnesota. Available at <http://www.cts.umn.edu/Publications/ResearchReports/reportdetail.html?id=1886>
104. Douma, F., **Fan, Y.**, and et al. (2010). *Itasca County Area Transportation Study*. Center for Transportation Studies, University of Minnesota. Available at <http://www.cts.umn.edu/Publications/ResearchReports/reportdetail.html?id=1840>

## Grants

- 2021
- G1. National Science Foundation. I-Corps: A Smartphone-Human Hybrid Intelligence System to Measure and Shape Human Behavior and Well-Being. Y. Fan (Principal Investigator). March 2021-August 2021. \$50,000.
  - G2. National Institute of Health. Neighborhood Park Youth Sports Program Fee Waiver and Intensive Family Outreach to Promote Physical Activity in Low-Income Children Ages 6-12 Years. Y. Fan (Co-Investigator); S. French (Principal Investigator). April 2021- March 2026. \$1,750,000.
  - G3. Minnesota Department of Transportation. The Health and Transportation Nexus: A Conceptual Framework for Collaborative Health and Transportation Planning. Y. Fan (Principal Investigator). July 2021- December 2021. \$46,361.
  - G4. Minnesota Department of Transportation. Improving Transportation Equity for all by Centering the Needs of Marginalized and Underserved Communities. Y. Fan (Principal Investigator). July 2021- December 2022. \$149,648.
  - G5. Minnesota Department of Transportation. Assessing the Effects of Highway Improvements on Adjacent Businesses. Y. Fan (Principal Investigator). July 2021- December 2022. \$100,000.
  - G6. Minnesota Department of Transportation. Understanding post-COVID safety concerns, perceptions, and preferences of transit and share mobility users in Minnesota. Y. Fan (Principal Investigator). January 2021- June 2022. \$120,000.
- 2020
- G7. Center for Transportation Studies, University of Minnesota. COVID-19 Implications on Public Transportation: Understanding Post-Pandemic Travel Behavior Decision-Making Process among Downtown Minneapolis Commuters. Y. Fan (Principal Investigator). June 2020- June 2021. \$50,000.
  - G8. Hennepin County and the Metropolitan Council. Transitway Development and Commercial Gentrification. Y. Fan (Principal Investigator). September 2020- March 2022. \$75,000.
  - G9. Community Transportation Association of America. Research Paper on the Role of Transportation in Addressing Social Isolation in Older Adults. Y. Fan (Co-Investigator); C. Henning-Smith (Principal Investigator). March 2020- May 2020. \$50,000.
- 2019
- G10. National Institute of Health. Neighborhood and Parent Variables Affect Low-Income Preschool Age Child Physical Activity. Y. Fan (Co-Investigator); S. French (Principal Investigator). March 2019 – February 2021. \$331,000.
  - G11. Metropolitan Council. Parking FlexPass at ABC Ramps: Integrating Parking and Transit Options for Sustainable Mobility. Y. Fan (Principal Investigator). October 2019- December 2020, \$600,000.
  - G12. Hennepin County and the Metropolitan Council. Value of Transitways to Regional Economies: National and Twin Cities Perspectives. Y. Fan (Principal Investigator). January 2019 -July 2020. \$65,000.
- 2018
- G13. National Science Foundation. SCC: Leveraging Autonomous Shared Vehicles for Greater Community Health, Equity, Livability, and Prosperity (HELP) . Y. Fan (Co-Principal Investigator); Z. Zhang (Principal Investigator). September 2018 – August 2020, \$1,750,856.
- 2017
- G14. Shenzhen Urban Transportation Planning Center. Measuring Travel Happiness in Shenzhen: Framework and Application. Y. Fan (Principal Investigator). April 2017 – December 2017. \$72,553.
  - G15. Hennepin County and the Metropolitan Council. Multimodal Connections with Transitways:

- Ridership, Access Mode and Route Choice Implications. July 2017 – December 2018. \$65,000.
- 2016 G16. Metropolitan Council. Smartphone-Based Interventions for Sustainable Travel Behavior. Y. Fan (Principal Investigator). December 2016-December 2018. \$375,000.
- G17. Minnesota Department of Transportation. ABC Ramps Transportation Options. Y. Fan (Co-Investigator); F. Douma (Principal Investigator). December 2016-October 2018. \$198,980.
- 2015 G18. National Science Foundation. SRN: Integrated Urban Infrastructure Solutions for Environmentally Sustainable, Health and Livable Cities. Y. Fan (Co-Principal Investigator); A. Ramaswami (Principal Investigator). August 2015 - August 2019. \$12,000,000.
- G19. Hennepin County and the Metropolitan Council. Those who Need it Most: Maximizing Transit Accessibility and Removing Barriers to Employment in Areas of Concentrated Poverty. Y. Fan (Principal Investigator). November 2015-November 2016. \$89,286.
- G20. Minnesota Department of Transportation. Transportation Futures. Y. Fan (Co-Investigator); D. Levinson (Principal Investigator). June 2013-June 2015. \$100,000.
- 2014 G21. McKnight Foundation, Hennepin County, and Phillips Family Foundation. Spatial and Skills Mismatch of Unemployment and Job Vacancies: Opportunities for Integrated Transit and Workforce Development. Y. Fan (Principal Investigator). November 2014-March 2016. \$175,043.
- G22. Metro Transit. Assessing the Impacts of Student Transportation on City Buses and Trains. Y. Fan (Principal Investigator). July 2014-June 2015. \$29,991.
- G23. Hennepin County and the Metropolitan Council. Economic Development Impacts of Bus Rapid Transit. Y. Fan (Co-Investigator); A. Guthrie (Principal Investigator). March 2014-January 2016. \$63,220.
- G24. Hennepin County. Evaluation of Hennepin County Community Works Program. Y. Fan (Principal Investigator). February 2014-December 2014. \$40,000.
- 2013 G25. Metropolitan Council. Specific Strategies for Achieving Transit-Oriented Economic Development: Applying National Lessons to the Twin Cities. Y. Fan (Principal Investigator). November 2013-June 2016. \$86,102
- G26. U.S. Department of Transportation Federal Highway Administration. SmarTrAC: A Smartphone Solution for Context-Aware Travel and Activity Capturing. Y. Fan (Principal Investigator). June 2013-February 2015. \$148,406 (Utility patent application filed in August 2015).
- G27. Minnesota Department of Transportation. Travel Behavior Over Time. Y. Fan (Co-Investigator); D. Levinson (Principal Investigator). June 2013-June 2015. \$261,635
- 2012 G28. National Institute for Transportation & Communities. Understanding the Transit-Dependent Population. Y. Fan (Co-Investigator); J. Dill (Principal Investigator). November 2012-May 2014. \$105,931
- G29. Hennepin County and Twin Cities Metropolitan Council. Transit Station and Stop Design and Travel Time Perceptions. Y. Fan (Principal Investigator). November 2012-May 2014. \$79,963
- G30. Minnesota Department of Transportation. Exploring Strategies for Promoting Modal Shifts to Transitways. Y. Fan (Co-Principal Investigator); J. Cao (Principal Investigator). June 2013-December 2014. \$112,066
- 2011 G31. University of Minnesota Obesity Prevention Center. Park Improvements, Behavioral Intervention,

- and Adult Obesity. Y. Fan (Principal Investigator). February 2011-February 2012. \$49,913
- G32. University of Minnesota Center for Urban and Regional Affairs. Park Improvements, Behavioral Intervention, and Childhood Obesity. Y. Fan (Principal Investigator). February 2011-February 2012. \$15,000
- G33. U.S. Department of Housing and Urban Development. Toward transit-oriented jobs-housing balance: How to get there from here? Y. Fan (Principal Investigator). January 2011-July 2012. \$99,678
- G34. U.S. Department of Transportation Federal Highway Administration. Smartphone-Based Travel Experience Sampling and Behavior Intervention among Young Adults. Y. Fan (Principal Investigator). January 2011-July 2012. \$88,402
- 2010 G35. Surdna Foundation, McKnight Foundation, and Phillips Family Foundation. Enterprising Twin Cities Transitways: Regional Competitiveness and Social Equity in an Integrated Land Use Transit Context. Y. Fan (Principal Investigator). November 2010-May 2012. \$222,000
- G36. Central Corridor Funders Collaborative; Minnesota Department of Transportation; Center for Transportation Studies; and Hennepin County. Assessing Neighborhood and Social Influences of Transit Corridors. Y. Fan (Principal Investigator). February 2010-August 2011. \$125,409
- G37. Peking University - Lincoln Institute Center for Urban Development and Land Policy. Can Urban Poor in China Escape Spatial Mismatch? Y. Fan (Principal Investigator). January 2010-January 2011. \$15,000
- 2009 G38. University of Minnesota Minnesota Futures Symposium Grant. Blueprint for a Green, Healthy, and Livable Future: A symposium on transdisciplinary research in policy, planning, engineering, health, law, and humanities. Y. Fan (Co-Principal Investigator); G. Lindsey (Principal Investigator). November 2009-November 2010. \$25,000
- G39. University of Minnesota Center for Transportation Studies. How Affordable is Transportation? An Accessibility-Based Evaluation. Y. Fan (Principal Investigator). September 2009-September 2010. \$30,000
- G40. McKnight Foundation. Framework for Measuring Sustainable Regional Development for the Twin Cities Region. Y. Fan (Co-Investigator); E. Goetz (Principal Investigator). September 2009-January 2010. \$50,000
- G41. Blandin Foundation. Itasca County Area Transportation Study. Y. Fan (Co-Investigator); F. Douma (Principal Investigator). August 2009-December 2009. \$58,000
- G42. Minnesota Population Center. Urban Form and American Time Use: A Longitudinal Examination of Geographic Influences of Health-Related Behavior. Y. Fan (Principal Investigator). July 2009-July 2010. \$10,000
- G43. University of Minnesota Consortium for the Study of the Asias and Office of International Programs. Developing U.S.-China University Partnerships in Transportation Research and Urban Planning Education. Y. Fan (Principal Investigator). July 2009-October 2009. \$2,370
- G44. University of Minnesota Children, Youth and Family Consortium. Neighborhood Design, Family Activities, and Child Well-Being. Y. Fan (Principal Investigator). June 2009-June 2013, \$100,000
- G45. University of Minnesota Grant-in-Aid of Research, Artistry and Scholarship Program. Urban Form and American Time Use: Spatial Influence on Health-Related Behaviors. Y. Fan (Principal

Investigator). January 2009-July 2010. \$29,380

- 2008 G46. Minnesota Department of Transportation and the Hennepin County. Impact of Twin Cities Transitways on Regional Labor Market Accessibility: A Transportation Equity Perspective. Y. Fan (Principal Investigator), November 2008-May 2009. \$58,383

### **Media Appearances**

1. [Can Public Transit Survive the Pandemic? London's New Transport Commissioner Wants You to Believe It Can](#), Time, April 2, 2021
2. [State Legislators Hear From U Experts on Future of Post-COVID Transportation](#), Crossroads, Feb 17, 2021.
3. [U study identifies Twin Cities roads where commuters are happiest](#), Star Tribune, June 13, 2020
4. [Your daily commute won't ever be the same](#), National Geographic, May 11, 2020
5. [Emotional well-being while home gardening similar to other popular activities](#), Science Daily, May 11, 2020
6. [Metro Transit bets big on the appeal of rapid buses to boost ridership](#), Star Tribune, December 24, 2019
7. [Looking beyond the economics of free public transport for women](#), The Wire, June 18, 2019
8. [Want a happy commute? Researchers point to travel by bicycle](#), Star Tribune, April 25, 2019
9. [Metro Transit aims to improve quality of service on light rail, buses](#), Star Tribune, March 20, 2019
10. [Cycling is the happiest form of transport](#), Treehugger.com, March 1, 2019
11. [Unemployed and living far away from jobs](#), AXIOS, February 22, 2019
12. [App promotes sustainable transportation options to UMN contract parkers](#), Minnesota Daily, February 8, 2019
13. [Conservative 'think tank' uses suspect study to blame Dayton, Met Council for traffic](#) City Pages, June 20, 2017
14. [Could these be solutions to Twin Cities traffic problems?](#) Pioneer Press, June 16, 2017
15. [What's to blame for Twin Cities traffic congestion: regional growth or bad public policy?](#) Star Tribune, June 5, 2017
16. [The Wait for the Bus Feels Longer If Your Stop Is Near Heavy Traffic](#), Streetsblog USA, January 11, 2017
17. [Transit and training crucial to connecting unemployed with jobs](#), Science Daily, July 29, 2016
18. [How the Twin Cities' Transit Expansion Will Improve Access to Jobs](#), Citylab, July 13, 2016
19. [Study: Transit pass program brings academic, social and economic benefits to MPS students](#), Star Tribune, March 15, 2016
20. [Comment rendre moins longue l'attente à un arrêt de bus](#), Slate France, February 4, 2016
21. [Rapid bus lines as economic drivers](#), Finance and Commerce, February 4, 2016
22. [The Secret Weapon That Could Make Waiting for the Bus Less Terrible](#), Atlas Obscura, February 3, 2016
23. [Golden Valley Researcher Finds Gender Differences with Commutes](#), Channel 12, September 19, 2015
24. [U of M study looks a gender differences in commuting times](#), Star Tribune, September 7, 2015
25. [Women Still Do More Traveling Than Men for Household Errands](#), Citylab.com, August 20, 2015
26. [Planting Trees Could Make Public Transit Wait Times Feel Shorter](#), The Atlantic, August 18, 2015

27. [The Twin Cities Find the Key to a Happy Commute](#), NationSwell.com, October 10, 2014
28. [Why it takes 13.75 hours of minimum-wage work to earn a Metrocard in New York](#), Guardian, September 29, 2014
29. [A Basic Shelter Can Make the Wait for the Bus Feel Shorter](#), Citylab.com, September 18, 2014
30. [Study: Transit amenities affect perceived wait times](#), Star Tribune, September 4, 2014
31. [Job recovery? Yes. Shorter commutes? Reverse commuters struggle](#), Star Tribune, July 13, 2014
32. Esme Murphy Show, WCCO Radio, June 13, 2014
33. [Streetcars and Recovery](#), Planetizen, December 11, 2013
34. [How the Streetcar Shaped Post-Katrina New Orleans](#), The Atlantic, November 29, 2013
35. [Low-wage workers need transit options](#), StarTribune, November 24, 2013
36. [How to sell employers and developers on #TOD. Same issues in #SD](#) (reprint), Move San Diego (Facebook), August 28, 2013
37. [Overcoming barriers to transit-oriented development](#) (reprint), California Department of Housing and Community Development (CDHCD) news, August 30, 2013
38. [Overcoming barriers to transit-oriented development](#) (reprint), Sarasota Manatee Metropolitan Planning Organization newsletter, August 28, 2013
39. [Overcoming barriers to transit-oriented development](#), Better! Cities & Towns, August 28, 2013
40. [How to Sell Developers and Employers on Transit-Oriented Development](#), DC.STREETSBLOG.org, August 27, 2013
41. [The Glean: There's a report for everything, and the latest offers info about developers and companies planning around the expanding LRT system.](#) MinnPost, August 22, 2013
42. [Achieving System-Level, Transit-Oriented Jobs-Housing Balance: Perspectives of Twin Cities Developers and Business Leaders](#), Reconnecting America, August 23, 2013
43. [U OF Minnesota Report Gives TOD Tips](#), USHSR News, August 29, 2013
44. [Report: Barriers prevent employers from locating near transit](#), Minneapolis–St. Paul Business Journal, August 22, 2013
45. [Transit: New report recommends ways for developers to attract tenants near projects](#), Pioneer Press, August 21, 2013
46. [Do we really need mass transit to limit our dependence on cars?](#) MinnPost, June 11, 2013
47. [Crunching the numbers in transit corridors](#), Finance & Commerce, June 5, 2013
48. [From blight to boom: Development transforms 400 block of Nicollet Mall](#), Start Tribune, May 11, 2013
49. The Daily Circuit , Minnesota Public Radio, November 29, 2012
50. [Top priority for transitway development should be employers and jobs](#), Twin Cities Daily Planet, May 26, 2012
51. [Proximity to LRT stations raises home values for some](#), Finance and Commerce, March 19, 2012
52. [Connecting Low-Wage Workers With Job Opportunities](#), Reconnecting America's Half-Mile Circles Expert Blog, September 11, 2010

53. Minneapolis Park and Recreation Board Meeting, Live Broadcast on Channel 14, August 18, 2010
54. Weekly Public Affair Radio Show, Access Minnesota, April 16, 2010
55. [U of M study: light-rail line helping job access](#), Twin Cities Business Journal, March 30, 2010

## **Presentations**

### ***Invited Presentations***

1. Understanding Post-COVID Safety Concerns Toward the Use of Transit, Shared Mobility, and Connected and Automated Vehicles in Greater Minnesota. *Twin Cities Shared Mobility Collaborative Convening*, Minneapolis, MN, United States. 4/27/2021
2. The Gender Happiness Gap in Mobility and Everyday Life. *Women in Transportation, Then and Now Keynote Address*, The Kennedy Center, Trumbull, CT. 3/30/2021
3. Advancing Equity and Empathy: Human-Centered Transportation for Connecting Minnesota. *Minnesota Local Road Research Board Meeting*, Minneapolis, MN, United States. 3/22/2021
4. Measuring, Managing, and Maximizing Transportation Happiness using Smartphone-Aided Day Reconstruction Method. *Ecological Momentary Assessment (EMA) and Experience Sampling Research Cluster Meeting*, Southern Methodist University, Dallas, TX, United States, 3/11/2021
5. The Multimodal Future of Transportation Equity. *Minnesota House of Representatives Transportation Committee Meeting*, St. Paul, MN, United States. 1/17/2021
6. Writing for international academic journals. *Academic Writing Workshop for Junior Urban Scholars*, co-organized by the School of Public Policy and Management of Tsinghua University, and the International Association of China Planning, Beijing, China. 1/9/2021
7. Measuring, Managing, and Maximizing Transportation Happiness using Smartphone-Aided Day Reconstruction Method. *Institute of Transportation Studies Seminar Series*, University of California, Davis, CA, United States. 12/4/2020
8. Measuring, Managing, and Maximizing Transportation Happiness using Smartphone-Aided Day Reconstruction Method. *University Transportation Center Seminar Series*, University of Illinois, Chicago, IL, United States. 11/19/2020
9. Advancing Equity and Empathy: Human-Centered Transportation for Connecting Minnesota. Minnesota's Transportation Conference Keynote Address, St. Paul, MN, United States. 3/4/2020
10. Happy Cities: Maximizing Human Well-Being through Urban Design in China and the U.S. *Advancing Urban Sustainability in China and the United States: A National Academies Workshop in Collaboration with the Chinese Academy of Sciences*. National Academy of Sciences, Washington, D.C., United States. 12/16/2019
11. Maximizing Transportation Happiness using Smartphone-Based Travel Behavior and Experience Data. *University of Minnesota Spatial Forum*, Minneapolis, MN. 11/12/2019.
12. Urban Planning and Health Equity. *University of Minnesota Health Equity Seminar*, Minneapolis, MN. 11/11/2019.
13. Maximizing Transportation Happiness using Smartphone-Based Travel Behavior and Experience Data. *School of Data Science, City University of Hong Kong*, Hong Kong. 7/2/2019.
14. Maximizing Transportation Happiness using Smartphone-Based Travel Behavior and Experience Data. *Hohai*

- University, Nanjing, China. 6/5/2019.*
15. Maximizing Transportation Happiness using Smartphone-Based Travel Behavior and Experience Data. *Shenzhen University, Shenzhen, China. 5/30/2019.*
  16. Maximizing Transportation Happiness using Smartphone-Based Travel Behavior and Experience Data. *Beijing University of Technology, Beijing, China. 5/24/2019.*
  17. Measuring Transportation Happiness: A Case Study of Urban Commuters in Shenzhen, China. Harbin, China. 6/24/2018
  18. Measuring Transportation Happiness: A Case Study of Urban Commuters in Shenzhen, China. Beijing Jiaotong University, Beijing, China. 6/21/2018
  19. Measuring Transportation Happiness: A Case Study of Urban Commuters in Shenzhen, China. Beijing University of Technology, Beijing, China. 6/20/2018
  20. Maximizing Transportation Happiness using Smartphone-Based Travel Behavior and Experience Data. Tongji University, Shanghai, China. 12/20/2018
  21. Happy Cities: The Role of Transportation. *The Fourth World Metropolitan Transport Development Forum. Beijing, China. 10/25/2018.*
  22. Happy Cities: The Role of Transportation. *Central South University. Changsha, China. 10/19/2018.*
  23. Improving Transit Service Quality using Transportation Happiness Research. The 8<sup>th</sup> Development Forum of Transit Metropolis. Shenzhen, China. 10/12/2018
  24. The Multimodal Nature of Urban Rail Transit Development. Peking University Shenzhen Graduate School. Shenzhen, China. 10/13/2018
  25. SCC: Leveraging Autonomous Shared Vehicles for Greater Community Health, Equity, Livability, and Prosperity (HELP). *NSF Smart and Connected Communities PI Meeting. Denver, Colorado, United States. 4/1/2019*
  26. Urban Rail Transit's Multimodal Future: Lessons from the U.S. and Europe, *2017 China Urban Rail Transit Forum, Beijing, China. 6/20/2017*
  27. Happy Cities: The Role of Transportation. *Peking University, Beijing, China. 6/19/2017.*
  28. Happy Cities: The Role of Transportation. *Suzhou University of Science and Technology, Shenzhen Urban Transportation Planning Center, Shenzhen, China. 5/27/2017.*
  29. Happy Cities: The Role of Transportation. *Suzhou University of Science and Technology, Suzhou, China. 5/17/2017.*
  30. Spatial and Skills Mismatch of Unemployment and Job Vacancies: Opportunities for Integrated Transit and Workforce Development. *Hennepin County Regional Railroad Authority, Minneapolis, United States. 4/25/2017.*
  31. Rail Transit Revival in Urban America: The Truth and the Future. *Rail Transit Systems Committee Meeting. Transportation Research Board, Washington D.C., United States. 1/9/2017.*
  32. Spatial and Skills Mismatch of Unemployment and Job Vacancies: Opportunities for Integrated Transit and Workforce Development. *Twin Cities Metro Transit, Minneapolis, United States. 1/24/2017.*
  33. Happy Cities: The Role of Transportation. *Chang'an University, Xi'an, China. 12/13/2016.*
  34. Happy Cities: The Role of Transportation. *Sun Yat-Sen University, Guangzhou, China. 12/12/2016.*



35. Happy Cities: The Role of Transportation. *Southeast University*, Nanjing, China. 12/6/2016.
36. Spatial and Skills Mismatch of Unemployment and Job Vacancies: Opportunities for Integrated Transit and Workforce Development. *Hennepin County Comprehensive Plan Idea Forum*, Minnetonka, United States. 11/30/2016.
37. Spatial and Skills Mismatch of Unemployment and Job Vacancies: Opportunities for Integrated Transit and Workforce Development. *Minneapolis Downtown Council*, Minneapolis, United States. 11/8/2016.
38. Spatial and Skills Mismatch of Unemployment and Job Vacancies: Opportunities for Integrated Transit and Workforce Development. *Citizens League Transit Study Committee Meeting*, Minneapolis, United States. 10/27/2016.
39. Transit Stops and Stations and Waiting Time Perceptions. *Center for Transportation Studies Planning and Economy Council Meeting*, Minneapolis, United States. 9/28/2016.
40. Transitways and Twin Cities Neighborhoods: Concerns and Project Responses. *Riverview Policy Advisory Committee Meeting*, St Paul, United States. 9/8/2016
41. American Made Transit Metropolis: The Truth and the Future. *Xiamen Urban Transportation Center*, Xiamen, China. 7/12/2016.
42. American Made Transit Metropolis: The Truth and the Future. *The 16<sup>th</sup> COTA International Conference of Transportation Professionals*, Shanghai, China. 7/7/2016.
43. Happy Cities: The Role of Transportation. *Beijing Normal University*, Beijing, China. 7/4/2016.
44. Daynamica: A Smartphone Solution for Travel and Activity Capturing. *The 11th International Association for China Planning Conference*, Beijing, China. 7/3/2016.
45. Happy Cities: The Role of Transportation. *Annual Mobility Management Conference Keynote Speech*. New York City Department of Transportation, New York City, United States. 5/18/2016.
46. Spatial and Skills Mismatch of Unemployment and Job Vacancies: Opportunities for Integrated Transit and Workforce Development. *Center for Transportation Studies Executive Committee*, Minneapolis, United States. 2/25/2016.
47. SmarTrAC: A Smartphone Solution for Context-Aware Travel and Activity Capturing. *The 3rd Arab-American Frontiers symposium*, King Abdullah University of Science and Technology (KAUST), Saudi Arabia. 12/6/2015.
48. SmarTrAC: A Smartphone Solution for Context-Aware Travel and Activity Capturing. *University of South Florida Transportation Research Seminar*, Tampa, FL. 11/20/2015.
49. The Role of Transit in Supporting Our Region's Competitive Clusters. *Twin Cities Metropolitan Council Committee of the Whole*, St. Paul, MN. 9/2/2015.
50. Assessing the Impacts of Student Transportation Using City Buses and Trains. *Metro Transit Senior Staff Meeting*, Minneapolis, MN. 8/11/2015.
51. SmarTrAC: A Smartphone Solution for Context-Aware Travel and Activity Capturing. *The 15th COTA International Conference of Transportation Professionals*, Beijing, China. 7/25/2015.
52. SmarTrAC: A Smartphone Solution for Context-Aware Travel and Activity Capturing. *College of Transportation Science and Engineering, Nanjing Tech University*, Nanjing, China. 7/13/2015.
53. SmarTrAC: A Smartphone Solution for Context-Aware Travel and Activity Capturing. *School of Transportation, Southeast University*, Nanjing, China. 6/17/2015.

54. Planning for Prosperity and Equity in Transit Corridors: Better Measurements and Greater Relevance. *Federal Transit Administration (FTA)*, Washington, DC. 1/12/2015.
55. The SPLASH Project: Implications for Addressing Health Inequity. *Minnesota Children and Nature Connection*, Maplewood, MN. 11/5/2014.
56. Transit Stops and Stations and Waiting Time Perceptions. *Metro Transit Senior Staff Meeting*, Minneapolis, MN, 8/26/2014.
57. Transit and Regional Economic Competitiveness. *Hennepin County Southwest LRT Community Works Steering Committee Meeting*, 6/19/2014.
58. Keeping Transportation Affordable. *National Conference of State Legislatures – Transportation Pre-Conference*, Washington, DC. 12/2/2013.
59. Results of interviews with developers and business leaders about TOD. *Twin Cities Metropolitan Council Community Development Committee Meeting*, St. Paul, MN. 6/3/2013
60. Achieving system-level, transit oriented jobs-housing balance. *Southwest LRT Community Works Steering Committee*, St. Louis Park, MN. 5/16/2013
61. UbiActive: Smartphone-based tool for trip detection and travel-related physical activity assessment. *Transportation Research Board New Technologies Subcommittee Meeting*, Washington, D.C. 1/16/ 2013
62. Transit, equity, and regional economic development. *Humphrey School Dean’s Advisory Council Meeting*, 10/23/2012
63. Enterprising Twin Cities transitways. *Twin Cities Metro Transit Staff Meeting*, Minneapolis, MN. 9/11/2012
64. Research on how to achieve system-level transit-oriented jobs-housing balance. *Twin Cities Metropolitan Council Transportation Committee Meeting*, Minneapolis, MN. 9/10/2012
65. Transit, equity, and regional economic development: Lessons from the Twin Cities. *Twin Cities Metro Transit Brown Bag Seminar Series*, Minneapolis, MN. 6/29/2012
66. Impact of Twin Cities transitways on regional labor market accessibility: A transportation equity perspective. *Twin Cities Metro Transit Staff Meeting*, Minneapolis, MN. 6/12/2012
67. The role of transitways in our region's economic competitiveness (Opening Session Speaker). *The 23rd Annual Transportation Research Conference*, St. Paul, MN. 5/23/2012
68. The SPLASH project: Parks, physical activity, and obesity prevention. *Obesity Research Group*, UMN. 5/22/2012.
69. Transitway impacts: Accessibility, neighborhood change, and regional competitiveness. *National Center for Smart Growth*, University of Maryland, College Park, MN. 2/28/2012.
70. Transit, accessibility, and neighborhood change: Whether and how to evaluate the impacts. *Transit Forum with Jim Oberstar*, Minneapolis, MN. 2/24/2012
71. Community, culture, and park use. *Twin Cities Urban Sustainability Forum*, St. Paul, MN. 11/3/2011.
72. Culture, community and park use. *Humphrey Students of Color Association (HSOCA) Dialogue on Race Speaker Event*, 10/18/2011
73. Where are families to live and play? Urban form and family functioning. *Department of Geography Coffee Hour Seminar Series*, UMN. 10/7/2011.
74. Community, culture, and park use. *Active Living Hennepin County Partnership Meeting*, New Hope, MN.

10/5/2011.

75. Assessing neighborhood and social influences of transit corridors. *Ramsey County Board Meeting*, Saint Paul, MN. 10/4/2011.
76. Assessing neighborhood and social influences of transit corridors. *American Planning Association Minnesota Chapter Conference*, St. Cloud, MN. 9/29/2011.
77. Assessing neighborhood and social influences of transit corridors. *City of Saint Paul Planning Department*, Saint Paul, MN. 5/17/2011.
78. Evaluations of the Central Corridor project. *Minnesota Evaluation Association*, Saint Paul, MN. 4/14/2011.
79. Park improvements and family health: A discussion of the SPLASH project. *Human Capital Research Collaborative Brown Bag Seminar*, 2/15/2011.
80. Assessing neighborhood and social influences of transit corridors. *Hennepin-University Partnership Symposium*, Minneapolis, MN. 2/4/2011
81. Can urban poor in china escape spatial mismatch? Employment distribution and job access in beijing, China. *Global Policy Workshop at Freeman Center for International Economic Policy*, 2/1/2011.
82. Can light rail transit improve job access for low-wage workers? *Humphrey School Dean's Advisory Council Meeting*, 10/14/2010
83. The SPLASH project: Survey of parks, leisure-time activity, and self-reported health. *Minneapolis Park and Recreation Board Meeting*, Minneapolis, MN. 8/18/2010.
84. Space use, time use, and urbanism. *University of Gävle*, Gävle, Sweden. 6/11/2010.
85. Setting the agenda for transitway research. *Center for Transportation Studies Strategic Committee Meeting*, UMN. 5/10/2010.
86. The Impact of Twin Cities transitways on regional labor market accessibility. *Hennepin-University Partnership Symposium*, Minneapolis, MN. 1/29/2010.
87. Urban china in transition. *China-Humphrey Initiative Brown Bag Lunch Event*, 10/1/2009.
88. Does urban form matter in solo versus joint activity engagement? *Transportation College, Southeast University*, Nanjing, China. 5/25/2009.
89. Are we coming together or coming apart? The emerging urbanism. *Peking University - Lincoln Institute*, Beijing, China. 5/22/2009.
90. Household excess travel and neighborhood characteristics: Associations and trade-offs. *Beijing Transportation Research Center*, Beijing, China. 5/19/2009.
91. Are we coming together or coming apart? The emerging urbanism. *Regional Planning & Policy Brownbag Seminar*, 2/25/2009.
92. Urban form and activity engagement. *Center for Transportation Studies Research Scholars Meeting*, UMN. 12/17/2008.
93. Using GIS-T to synchronize land and infrastructure development. *Minnesota Statewide Travel Demand Coordinating Committee Meeting*, Minnesota Department of Transportation, Roseville, MN. 12/8/2008.
94. Using GIS-T to synchronize land and infrastructure development. *Metropolitan Council Regional Modeling Group Meeting*, St. Paul, MN. 12/5/2008.

### ***Refereed Research Conference Presentations***

**Note:** I have been a regular presenter at the annual conferences of the Transportation Research Board and the Association of Collegiate Schools of Planning. Since 2017, most conference presentations related to my research were made by my students and co-authors. I stopped tracking my conference presentations since 2017.

1. Workers' Residential Choices Around Growing Rapid Transit Systems. Poster presentation at the *Transportation Research Board 96th Annual Meeting*, Washington, D.C., January 8-12, 2017.
2. Accessibility Scenario Analysis of Hypothetical, Future Transit Network: Social Equity Implications of GTFS-Based, Sketch Planning Tool. Poster presentation at the *Transportation Research Board 96th Annual Meeting*, Washington, D.C., January 8-12, 2017.
3. Review of State-of-the-Art Smartphone Apps for Travel Data Collection and Energy-Efficient Strategies. Podium presentation at the *Transportation Research Board 96th Annual Meeting*, Washington, D.C., January 8-12, 2017.
4. Perception of Transfer Waiting Time at Stops and Stations in Nanjing, China. Poster presentation at the *Transportation Research Board 96th Annual Meeting*, Washington, D.C., January 8-12, 2017.
5. On-the-Fly Trip Purpose Prediction Using Google Places Information: Application of Statistical and Machine Learning Methods. Poster presentation at the *21st International Conference of Hong Kong Society for Transportation Studies*, Hong Kong, December 10-12, 2016.
6. Educational Outcomes of Expanded Student Transportation Options: Impacts of Student Transportation Using Public Transit on School Attendance and Academic Success. Poster presentation at the *56th Annual Conference of the Association of Collegiate Schools of Planning*. Portland, Oregon. November 3-6, 2016.
7. Exploring the Link between Subjective Well-Being and Infrastructure: Interviews in Delhi, India. Poster presentation at the *56th Annual Conference of the Association of Collegiate Schools of Planning*. Portland, Oregon. November 3-6, 2016.
8. Decade-Long Changes in Spatial Mismatch in Beijing, China: Are Disadvantaged Populations Better or Worse Off? Podium presentation at the *56th Annual Conference of the Association of Collegiate Schools of Planning*. Portland, Oregon. November 3-6, 2016.
9. Jobs, Social Equity and Growing Transit Systems: A National, Empirical Inquiry. Podium presentation at the *56th Annual Conference of the Association of Collegiate Schools of Planning*. Portland, Oregon. November 3-6, 2016.
10. Exploring Smartcard Passenger Flow Database Using Space-Time Plots and Data Cubes. Podium presentation at the *Workshop on ICT, Activities, Time Use and Travel*, Nanjing University, Nanjing, China, July 16-17, 2016
11. Weakening Obstacles to Transit Use: Changes in Relationships with Child Rearing and Automobile Access from 2000 to 2010. Podium presentation at the *Transportation Research Board 95th Annual Meeting*, Washington, D.C., January 10-14, 2016.
12. Transit Riders' Perception of Waiting Time and Environment Surrounding Stops. Podium presentation at the *Transportation Research Board 95th Annual Meeting*, Washington, D.C., January 10-14, 2016.
13. Battery-Efficient Location Change Detection for Smartphone-Based Travel Data Collection: A Wi-Fi Fingerprint Approach. Poster presentation at the *Transportation Research Board 95th Annual Meeting*, Washington, D.C., January 10-14, 2016.
14. Jobs, Social Equity, and Growing Transit Systems: A National, Empirical Enquiry. Poster presentation at the *Transportation Research Board 95th Annual Meeting*, Washington, D.C., January 10-14, 2016.

15. Assessing the Impacts of Student Transportation via Transit on Student Attendance and Academic Achievement. Poster presentation at the *Transportation Research Board 95th Annual Meeting*, Washington, D.C., January 10-14, 2016.
16. Local Support of Light Rail in the Twin Cities. Podium presentation at the *Transportation Research Board 95th Annual Meeting*, Washington, D.C., January 10-14, 2016.
17. Apps and Battery-Efficient Technologies for Smartphone-Based Travel Data Collection: State of the Art. Poster presentation at the *Transportation Research Board 95th Annual Meeting*, Washington, D.C., January 10-14, 2016.
18. Evaluating strategies to promote park use in low-income minority communities: Implications for Addressing Health Inequities. Podium presentation at the *Association of Collegiate Schools of Planning (ACSP) 55th Annual Conference*, Houston, TX, October 22-25, 2015.
19. Perception of Waiting Time at Transit Stops and Stations. Poster presentation at the *Transportation Research Board 94th Annual Meeting*, Washington, D.C., January 11-15, 2015.
20. Developers' Perspectives on Transit-Oriented Development. Poster presentation at the *Transportation Research Board 94th Annual Meeting*, Washington, D.C., January 11-15, 2015.
21. Regional Transit and Regional Accessibility. Podium presentation at the 25<sup>th</sup> Annual CTS Transportation Research Conference, St. Paul, May 21-22, 2014.
22. Transit and access to jobs in competitive clusters. Podium presentation at the *Transportation Research Board 92th Annual Meeting*, Washington, D.C., January 13-17, 2013.
23. Doing business around transitways: Survey research on business perceptions of Twin Cities transit projects. Podium presentation at the *Transportation Research Board 92th Annual Meeting*, Washington, D.C., January 13-17, 2013.
24. UbiActive: Smartphone-based tool for trip detection and travel-related physical activity assessment. Podium presentation at the *Transportation Research Board 92th Annual Meeting*, Washington, D.C., January 13-17, 2013.
25. Doing business around transitways: Survey research on business perceptions of Twin Cities transit projects. Podium presentation at the *2012 American Planning Association Minnesota Chapter Conference*, Alexandria, MN. September 26-28, 2012.
26. Smartphone-based travel experience sampling and behavior intervention among young adults. Podium presentation at the *23rd Annual Transportation Research Conference*, St. Paul, MN. May 23-24, 2012.
27. Different types of spatial mismatch: U.S.-China comparison of poverty concentration and low-skill job distribution. Podium presentation at the *2012 Inaugural International Research Conference*, University of Minnesota, Minneapolis, MN. February 17, 2012.
28. Family structure and park use: Implications to the active living agenda. Poster presentation at the *Active Living Research Annual Conference*, San Diego, CA, March 12-14, 2012.
29. Smartphone-based travel experience sampling and behavior intervention among young adults. Poster presentation at the *Transportation Research Board 91th Annual Meeting*, Washington, D.C., January 22-26, 2012.
30. Winners or losers: Individual perceptions of transit-induced neighborhood change. Podium presentation at the *Transportation Research Board 91th Annual Meeting*, Washington, D.C., January 22-26, 2012.
31. Family functioning as a mediator of neighborhood influences on children's health. Podium presentation at the

- 52nd Association of Collegiate Schools of Planning (ACSP) Annual Conference*, Salt Lake City, UT, October 13-16, 2011.
32. The impact of light rail implementation on labor market accessibility: A transportation equity perspective. Podium presentation at the *World Symposium on Transport and Land Use Research*, Whistler, British Columbia, Canada, July 28-30, 2011.
  33. Can the urban poor in China escape spatial mismatch? Podium presentation at *the Symposium on China's Urban Development and Land Policy*, Beijing, China, July 16-17, 2011.
  34. The impact of light rail implementation on labor market accessibility: A transportation equity perspective. Podium presentation at the *Transportation Research Board 90th Annual Meeting*, Washington, D.C., January 23-27, 2011.
  35. Gender and family as modifiers of the urban form and travel connection. Podium presentation at the *Transportation Research Board 90th Annual Meeting*, Washington, D.C., January 23-27, 2011.
  36. Can light rail transit improve job access for low-wage workers? Podium presentation at the *51<sup>st</sup> Association of Collegiate Schools of Planning (ACSP) Annual Conference*, Minneapolis, MN, October 17-19, 2010.
  37. Streetcars and recovery: An analysis of post-Katrina building permits in New Orleans. Podium presentation at the *51<sup>st</sup> Association of Collegiate Schools of Planning (ACSP) Annual Conference*, Minneapolis, MN, October 7-19, 2010.
  38. Gender and family as modifiers of the urban form-travel connection. Podium presentation at the *51<sup>st</sup> Association of Collegiate Schools of Planning (ACSP) Annual Conference*, Minneapolis, MN, October 7-19, 2010.
  39. Urban greenness and stress restoration. Podium presentation at the *51<sup>st</sup> Association of Collegiate Schools of Planning (ACSP) Annual Conference*, Minneapolis, MN, October 7-19, 2010.
  40. Does urban form matter in solo and joint activity engagement decisions? Poster Presentation at the *Active Living Research Annual Conference*, San Diego, CA, February 9-11, 2010.
  41. Planners' war against spatial mismatch: Past failures and future promises. Podium presentation at the *Transportation Research Board 89th Annual Meeting*, Washington, D.C., January 10-14, 2010.
  42. Streetcars and recovery: Analysis of post-Katrina building permits around New Orleans streetcar lines. Podium presentation at the *Transportation Research Board 89th Annual Meeting*, Washington, D.C., January 10-14, 2010.
  43. Socio-spatially integrated configurations of urbanism: Coexistence of agglomeration, suburbanization, gentrification, and segregation. Podium presentation at the *50th Anniversary ACSP Conference*, Crystal City, Virginia, October 1-4, 2009.
  44. Socio-spatially integrated configurations of urbanism: Coexistence of agglomeration, suburbanization, gentrification, and segregation. Podium Presentation at the *11th International Conference on Computers in Urban Planning and Urban Management*, University of Hong Kong, Hong Kong, June 15-18, 2009.
  45. Do "smart places" have less urban health penalty? Podium Presentation at the *47th International Making Cities Livable Conference*, Portland, OR, May 10-14, 2009.
  46. Does urban form matter in solo and joint activity engagement decisions? Poster Presentation at the *Transportation Research Board 88th Annual Meeting*, Washington, D.C., January 11-15, 2009.
  47. Impact of the built environment on travel distance and time costs: Trip-level analysis. Poster Presentation at the *Transportation Research Board 88th Annual Meeting*, Washington, D.C., January 11-15, 2009.

48. The role of dynamic information in supporting travel behavior changes: A two-stage travel decision process. Podium Presentation at the *Transportation Research Board 88th Annual Meeting*, Washington, D.C., January 11-15, 2009.
49. Portland's urban health penalty continues a decade-long decline: Has growth management played a role? Podium Presentation at the *Joint ACSP-AESOP Conference*, Chicago, IL, July 6-11, 2008.
50. Economic impact of traffic incidents on businesses. Poster Presentation at the *Transportation Research Board 87th Annual Meeting*, Washington, D.C., January 13-17, 2008.
51. Urban form, individual spatial footprints, and travel: Case-study of the Triangle area in North Carolina. Podium Presentation at the *Transportation Research Board 87th Annual Meeting*, Washington, D.C., January 13-17, 2008.
52. Evaluation of the Miami-Dade pedestrian safety demonstration project. Podium Presentation at the *Transportation Research Board 87th Annual Meeting*, Washington, D.C., January 13-17, 2008.
53. Household excess travel and neighborhood characteristics: Case of the Triangle area in North Carolina. Poster Presentation at the *Transportation Research Board 87th Annual Meeting*, Washington, D.C., January 13-17, 2008.
54. What do Intelligent Transportation Systems publications and patents tell us? Poster Presentation at the *Transportation Research Board 86th Annual Meeting*, Washington, D.C., January 21-25, 2007.
55. What can activity engagement tell us about daily drive time and walking time? Poster Presentation at the *Transportation Research Board 86th Annual Meeting*, Washington, D.C., January 21-25, 2007.
56. What exacerbates injury and harm in car-SUV collisions? Poster Presentation at the *Transportation Research Board 85th Annual Meeting*, Washington, D.C., January 22-26, 2006.
57. Do physical neighborhood characteristics matter in predicting traffic stress and health outcome? Podium Presentation at the *ACSP Conference*, Kansas City, MO, October 27-30, 2005.

## Teaching

### **Courses Taught**

#### **University of Minnesota**

PA 8005: Doctoral Research Seminar in Public Affairs

PA 8006: Current Research in Public Affairs: Topics, Approaches, and Cultures

PA5209: Urban Planning for Health Equity (Graduate-Level; Lecture/Lab)

PA 5880: Planning for China's Urban Billion (Graduate-Level; study abroad)

PA 5290: American Cities by Rail (Graduate-Level; Lecture/Lab)

PA/CE 8202: Networks and Places (Graduate-Level; Lecture/Lab)

PA 5211: Urban Land Use Planning (Graduate-Level; Lecture/Lab)

PA 5271: GIS Applications in Planning and Policy Analysis (Graduate-Level; Lecture/Lab)

PA 8081: Urban Park Planning and Public Health (Graduate-Level; Lecture/Workshop)

*Students in this class won the 2011 Lloyd B. Short Award—the Humphrey School-wide award given to the best*

*student project of the year.*

**University of Illinois at Chicago**

UPP 561: Urban Transportation Planning II: Policy Analysis (Graduate-Level; Lecture)

UPP 562: Urban Transportation Planning III: Laboratory (Graduate-Level; Lecture/Lab)

UPP 503: Data Analysis for Planning and Management (Graduate-Level; Lecture/Lab)

**University of North Carolina at Chapel Hill**

GIS Workshop (Graduate-Level; Lab)

PLAN247: Solving Urban Problems (Undergraduate-Level; Lecture)

**Guest lectures**

**University of Minnesota**

PubH 6079: Obesity and Eating Disorders

PA 8203: Neighborhood Revitalization: Theories and Strategies

PA 5590: Economic Competitiveness: Firms, Clusters and Economic Development

PA 5231: Transit Planning and Management

PA 8204: Creating Good Work: Economic and Workforce Development

PA 8081(7): State and Local Economic Development Strategies Workshop

CE3201: Introduction to Transportation Engineering

**Directed Studies**

**Thesis and Professional Paper Committees (Chair)**

Kirti Das. *Neighborhood Environments and Subjective Well-Being*. PhD Thesis in Public Affairs, 2020.

Andrew Guthrie. *Suitability for and Active Promotion of Equitable Transit-Oriented Development*. PhD Thesis in Public Affairs, 2017

Andrew Guthrie. *Streetcars and Recovery: Analysis of Post--Katrina Building Permits around New Orleans Streetcar Lines*. Master Thesis in Urban and Regional Planning, 2010.

Yifei Wang. *Master Plan of Waterworks, Atlanta*. Professional Paper in Urban and Regional Planning, 2008.

**Thesis and Professional Paper Committees (Member)**

Roland Brown. *Statistical Methods for Smartphone Sensor Data*. PhD Thesis in Biostatistics, University of Minnesota, 2020.

Ania McDonnell. *Gender Mainstreaming for Planners*. Professional Paper in Urban Planning, 2020.

Mengying Cui. *Full cost analysis of accessibility*. PhD Thesis in Civil Engineering, University of Minnesota, 2015.

Chelsey Palmateer. *Designs for Justice Impacts of Accessibility and Equity Objectives on Network Design*. PhD Thesis in Civil Engineering, University of Minnesota, 2016.

Huyen Le. *Emotional Agents: Modeling Satisfaction, Habit, Attitude, and Perceptions in Travel Behavior*. PhD Thesis in Civil Engineering, Virginia Tech, 2016.



Nikhil Menon. *Autonomous Vehicles: An Empirical Assessment of Consumers' Perceptions, Intended Adoption, and Impacts on Household Vehicle Ownership*. PhD Thesis in Civil Engineering, University of South Florida, 2017.

Andrew Owen. *Modeling the Commute Mode Share of Transit Using Continuous Accessibility to Jobs*. Master Thesis in Civil Engineering, 2013.

Qian Chen. *Analyzing the Economic Growth Data via Time-Varying Gaussian Graphical Models*. Master Thesis in Statistics, 2013.

Christopher Pulley. *Active Commuting in a District with a School Choice Policy*. Master Thesis in Epidemiology, 2013.

Xiaoyu Liu. *Study of Green Building Rating System in China Architectural Market*. Professional Paper in Architecture, 2013.

Anupam Srivastava. *Developing a New Density-Based Ramp Metering for Minnesota Freeways*. Master Thesis in Civil Engineering, 2011.

Aaron Wood. *Preserving Vernacular Architecture in Historic Tourist Destinations*. Master Thesis in Historic Preservation, 2011.

Nicole Armstead. *Historic Farmland Preservation*. Master Thesis in Architecture, 2011.

Libby Jensen. *Rural Green Space and Impacts on Physical Activity*. Master Thesis in Epidemiology, 2010.

Kevin Kuppe. *Non-Motorized Transit Oriented Development: The Case of the Harrison Neighborhood in Minneapolis*. Professional Paper in Landscape Architecture, 2010.

Pavithra Parthasarathi. *The Influence of Network Structure on Travel Behavior*. Ph.D. Dissertation in Civil Engineering, 2010.

Shawn Pearson. *Red Ribbon Ride Re-Routing Report*. Professional Paper in Urban and Regional Planning, 2009.

### **Independent Studies**

Bao Han, *Transportation Barriers in Areas of Concentrated Poverty*, 2017

Yue Yue, *The Methodologies in Cost-Benefit Studies toward Railways*, 2017

Marina Reutler. *Waiting Area Environments and Waiting Time Perception at Transit Stops*. Summer 2015.

Adam Gardner. *Evaluating Transit Organizational Complexity*. Summer 2015.

Andrew Freerks. *An Examination of the Oakdale Bus Rapid Transit Station Area*. Spring 2013.

Laura Eash. *The Opportunities and Challenges of Updating Sun Ray Shopping Center*. Fall 2011.

Andrew Lee. *Small Commercial Node Analysis*. Fall 2011.

Spencer Agnew. *Evaluate Good Urban Form Using GIS*. Spring 2010.

Elizabeth Shevi. *A Practitioner's Journey through Implementing a Municipal Ordinance*. Fall 2008.

## **Service**

### ***Departmental***

2019-Present      Ph.D. Program Director, Humphrey School, UMN

2019-Present	Chair, PhD Committee, Humphrey School, UMN
2021-Present	Member, Dean Search Committee, Humphrey School, UMN
2019-Present	Elected Member, Merit Review Committee, Humphrey School, UMN
2019	Chair, STEP Faculty Search Committee, Humphrey School, UMN
2017-2019	Member, Admission Committee, Humphrey School, UMN
2017-2019	Member, Curriculum Committee, Humphrey School, UMN
2017	Member, STEP Faculty Search Committee, Humphrey School, UMN
2017	Interim Director, Urban and Regional Planning Program, Humphrey School, UMN
2016-2019	Elected Member, Promotion and Tenure Committee, Humphrey School, UMN
2016	Member, Strategic Refresh Committee, Humphrey School, UMN
2014-2017	Member, PhD Committee, Humphrey School, UMN
2014-2015	Member, Urban and Regional Planning Faculty Search Committee, Humphrey School, UMN
2012-2015	Member, Fellows Merit Committee, Humphrey School, UMN
2012-2015	Member, Diversity Committee, Humphrey School, UMN
2012	Member, Faculty Research Seminars Committee, Humphrey School, UMN
2010-2011	Member, Admission Committee, Humphrey School, UMN
2010	Member, Bolan Award Committee, Humphrey School, UMN
2009	Member, Einsweiler award Committee, Humphrey School, UMN
2008-2017	Concentration Chair, Land Use and Urban Design, Master of Urban and Regional Planning Program, Humphrey School, UMN.
2008-present	Faculty Panelist, Prospective Student Information Session, Humphrey School, UMN
2008-present	Faculty Panelist, Diversity Weekend, Humphrey School, UMN

### ***University***

2020-Present	Member, Campus Master Plan Advisory Committee, UMN
2020-Present	Member, China Center Advisory Council, UMN
2018-present	Member, Senate Committee on Committees, UMN
2015-present	Director, Global Transit Innovations Program, UMN
2016-2017	Scholar in Residence, Urban Research and Outreach-Engagement Center, UMN
2016-2017	Member, Public Engagement Plan Committee, UMN
2012-2014	Member, System-wide Sustainability Committee, UMN
2011	Member, Judd Fellowship Review Panel, Office of International Programs, UMN.
2010-2012	Member, Global Spotlight Advisory Committee, Office of International Programs, UMN.
2008-2011	Member, Planning and Environment Council, Center for Transportation Studies, UMN.

2008-2011          Member, Research Conference Planning Committee, Center for Transportation Studies, UMN.

***Professional***

**Editorial**

Managing Editor, Urban Studies, 2020-present; Editor, Urban Studies, 2018-2020

Editor-in-Chief, Journal of Transport and Land Use (JTLU), 2019-present; Editor, JTLU, 2015-2019

Editorial Board Member, International Journal of Sustainable Transportation, 2015-present

Editorial Board Member, Transportation Letters, 2016-present

**Journal Article Review**

American Journal of Preventive Medicine

BMJ OPEN (British Medical Journal)

Computers, Environment and Urban Systems

Environment and Behavior

Environment and Planning B: Planning and Design

Evaluation and Program Planning

Geocarto International

Habitat International

Housing Policy Debate

International Journal of Sustainable Transportation

International Journal of Environmental Research and Public Health

Landscape and Urban Planning

Journal of Advanced Transportation

Journal of American Planning Association

Journal of Community Engagement and Higher Education

Journal of Geographical Systems

Journal of Health and Place

Journal of Planning and Education Research

Journal of Planning Literature

Journal of Regional Science

Journal of Transport and Land Use

Journal of Transport Geography

Journal of Urban Geography

Journal of Urban Health

Journal of Urban Planning and Development

Medicine & Science in Sports & Exercise

Pediatrics

Science of the Total Environment

Social Forces

Social Science and Medicine

The Social Science Journal

Transportation

Transportation Letters

Transport Policy

Transportation Research Part A

Transportation Research Part C

Transportation Research Record

Urban Studies

**Grant Proposal and Research Report Review**

National Science Foundation of China, 2021

Transit Cooperative Research Program, 2016-2017

National Science Foundation Geography and Spatial Sciences Program, 2012-2015

The City University of New York Collaborative Incentive Grant Program, 2014

U.S. Department of Agriculture State Agriculture Experiment Stations Research Program, 2012

New Zealand Ministry of Science and Innovation, 2012

University of California Transportation Center, 2009, 2012, 2013

University of Florida Center for Multimodal Solutions for Congestion Mitigation, 2012

The Brookings Institution, 2011

Mineta Transportation Institute, 2010

University of Illinois at Chicago Campus Research Board, 2008

**Conference Paper and Abstract Review**

COTA International Conference of Transportation Professional

Transportation Research Board Annual Meeting (including Rail Transit Committee; Social and Economic Factors of Transportation Committee; Transportation and Land Development Committee; Women's Issues in Transportation Committee; Traveler Behavior and Values Committee; Travel Survey Methods Committee), 2005-2016

International Conference on Women's Issues in Transportation

International Conference on Travel Behavior Research

Association of Collegiate Schools of Planning Annual Conference

American Planning Association Minnesota Conference

International Association for China Planning Conference

World Society for Transport and Land Use Research Conference

Transportation Research Conference

### **Conference Organizing and Moderating**

Conference Co-Chair, World Symposium on Transport and Land Use Research 2020, Portland, Oregon. August 9-13, 2021

Workshop Co-Organizer, 2021 Association of Collegiate Schools of Planning Administrator's Conference Global Planning Education Workshop, March 12, 2021

Theme Leader and Scientific Committee Member, World Symposium on Transport and Land Use Research 2017, Brisbane, Australia. July 3-6, 2017.

Sustainability Working Group Member, WIIIT Paris 2014: Women's Issues in Transportation, Paris, France. April 14-16, 2014.

Scientific Committee Member, The 13th Computers in Urban Planning and Urban Management Annual Conference, Utrecht, the Netherlands. July 2-5, 2013.

Discussant, Transit: What Would Hubert Do? Policy Discussion Event featuring the Humphrey Policy Legacy, Minneapolis, MN. February 9, 2011

Moderator/Discussant, Perspectives on Climate Change, Will Steger Foundation US-China Event, Minneapolis, MN. December 10, 2010

Lead Conference Organizer, Minnesota Futures Symposium: Blueprint for a Green, Healthy, and Livable Future, Minneapolis, MN. April 30, 2010

Session Moderator/Discussant, Travel Behavior and Sustainable Transportation, the 51st Association of Collegiate Schools of Planning Annual Conference, Minneapolis, MN. October 10, 2010

### **Professional Leadership and Membership**

Co-Chair, Global Planning Education Committee, Association of Collegiate Schools of Planning, 2019-Present

Elected Treasurer and Board Member, World Society for Transport and Land Use Research, 2011-present

Secretary and Member, Transportation Research Board Rail Transit Committee, 2016-2020

Member, Transportation Research Board Social and Economic Factors of Transportation Committee, 2015-present

Member, Chinese Overseas Transportation Association, 2015-present

Member, International Association for China Planning, 2009-present

Member, Association of Collegiate Schools of Planning, 2009-present

Member, North American China Overseas Transportation Association, 2006-2010

Member, Transportation Research Board, 2004-present

Member, American Planning Association (Founding Member of the Transportation Planning Division Research Committee), 2004-present

## **Community**

Advisor, Move Minneapolis, Minneapolis, MN 2018-present

Advisor, Travel Forecast Technical Committee, Metropolitan Council, St. Paul, MN, 2016-present

Elected Board Member, Transit for Livable Communities, Minneapolis, MN, 2011-2015

Advisor on the Twin Cities Fair Housing Equity Assessment Project, Metropolitan Council, St. Paul, MN, 2012-2013

Advisor, Bike Walk Twin Cities Board Committee, St Paul, MN, 2011-2012.

Advisor on the Twin Cities Compass Neighborhood Indicators Project, Wilder Research Center, St Paul, MN, 2011

Advisor on the Pilot Test of the Collaborative Decision-Making Framework Project, State and Local Policy Center, Minneapolis, MN, 2010

Advisor on the North Minneapolis Food Access Project, NorthPoint Health and Wellness Center, Inc., Minneapolis, MN, 2010-2011.

Advisor, Land Use Model Technical Advisory Group, Metropolitan Council, St Paul, MN, 2010-2012.

Advisor on the North Minneapolis Community Engagement Project, Twin Cities Greenways, Minneapolis, MN, 2010-2012

Lead Researcher for the Minneapolis Park and Recreation Board Park Use Survey, 2010-present

Volunteer Researcher for Phillips Community Area Youth Activity Council, Minneapolis, MN, 2009-2010

Volunteer Researcher for Jordan Parks Committee, Minneapolis, MN, 2009-2010

Advisor on the Health Disparities in the Twin Cities Region Project, Blue Cross and Blue Shield of Minnesota Foundation and Wilder Research Center, St Paul, MN, 2009

## **Consulting**

Lead Consultant, International Transit Fare Comparison Project, World Resource Institute, 2018

Lead Consultant, China Rail Transit Development Guidelines Project, China Academy of Urban Planning and Design, 2017-present

Lead Consultant, China Urban Poor and Job Accessibility Project, World Bank, 2012-2013.

Lead Consultant, Remaking Beijing into a World City by 2050 Project, Beijing Municipal Committee of Transport, China, 2010-2011.