

**XIA JIN, PH.D., AICP**  
**CIVIL AND ENVIRONMENTAL ENGINEERING DEPARTMENT**  
**FLORIDA INTERNATIONAL UNIVERSITY**

**EDUCATION**

Ph.D.	Civil Engineering, University of Wisconsin – Milwaukee	2007
M.U.P.	Urban Planning, University of Wisconsin – Milwaukee	2004
M.S.	Civil Engineering, University of Wisconsin – Milwaukee	2004
B.S.	Civil Engineering, Xi'an University of Architecture and Technology	2000

**AREAS OF INTEREST**

Activity-Travel Behavior Analysis, Transportation System Modeling and Simulation, Freight planning and modeling, Data Analytics, Land Use-Transportation Interactions, Smart City Initiatives, Geographic Information Systems, Travel Survey Methods, and Emerging Technologies and Mobility Options

**PROFESSIONAL EXPERIENCE**

- Florida International University, Associate Professor, 2017 – present
- Florida International University, Assistant Professor, 2011 – 2017
- Cambridge Systematics, Inc., New York, NY, Associate, 2007 – 2011

**PUBLICATIONS IN DISCIPLINE**

(\* indicates students supervised by Jin)

**Peer-Reviewed Journal Publications**

1. Sarker\*, A., Asgari, H., Chowdhury, A., & **Jin, X.** Exploring Micromobility Choice Behavior across Different Mode Users Using Machine Learning Methods. *Travel Behavior and Society* (under review).
2. Titiloye\*, I. Sarker\*, A., Asgari\*, H., & **Jin, X.** Impacts of E-Commerce on Shopping Trips for Non-Grocery Experience Goods. *Electronic Commerce Research and Applications* (under review).
3. Titiloye\*, I. Sarker\*, A., **Jin, X.**, & Watts. B. Estimating Consumer Demand For E-Grocery. *Transportation Research Record* (1<sup>st</sup> revision submitted).
4. Asgari\*, H., Azimi\*, G., Ibukun, T. & **Jin, X.** Exploring the Influences of Personal Attitudes on the Intention of Continuing Online Grocery Shopping after the COVID-19 Pandemic. *Travel Behavior and Society* (2nd revision submitted).
5. Titiloye\*, I. Sarker\*, A., **Jin, X.**, & Watts. B. (2023) Examining Channel Choice

- Preferences for Grocery Shopping During the Covid-19 Pandemic. *International Journal of Transportation Science and Technology*. <https://doi.org/10.1016/j.ijtst.2023.03.006>
6. Titiloye\*, I. & **Jin, X.** (2023) Looking into Shopping Behavior and Attitudes during the Early Transition Phase of the COVID-19 Pandemic. *Urban Design and Planning*. <https://doi.org/10.1680/jurdp.22.00018>
  7. Sarker\*, A., Asgari\*, H., & **Jin, X.** (2023) Aging Population and Autonomous Vehicles: Accounting for the impacts of Land Use Patterns and Attitudes. *Transportation Research Record*. <https://doi.org/10.1177/03611981231160548>
  8. Asgari\*, H. & **Jin, X.** (2022) Exploring the Endogenous Effects Among Car Dependency, Work Arrangement Choice, and Daily Travel using the 2017 NHTS Data. *International Journal of Transportation Science and Technology*, November 2022. <https://doi.org/10.1016/j.ijtst.2022.10.003>.
  9. Asgari\*, H., Gupta, R., Titiloye\*, I. & **Jin, X.** (2022) Challenges, Perceptions, and Future Preferences for Post-Secondary Online Education Given Experiences in the COVID-19. *Computational Urban Science* 2, 29(August 2022). <https://doi.org/10.1007/s43762-022-00058-7>.
  10. Asgari\*, H., Gupta, R., & **Jin, X.** (2022) Millennials and Automated Mobility: Exploring the Role of Generation and Attitudes on AV Adoption and Willingness-to-Pay. *Transportation Letters*, August 2022, <https://doi.org/10.1080/19427867.2022.2111901>.
  11. Asgari\*, H., Gupta, R., & **Jin, X.** (2022) The Impacts of COVID-19 on Future Preferences toward Telecommuting. *Transportation Research Record*, August 2022, <https://doi.org/10.1177/03611981221115078>.
  12. Azimi\*, G., Rahimi\*, A., & **Jin, X.** (2022) Injury Severity Analysis for Large Truck–Involved Crashes: Accounting for Heterogeneity. *Transportation Research Record* <https://doi.org/10.1177/03611981221091562>
  13. Anam\*, S., Azimi\*, G., & **Jin, X.** Severity Analysis of Large Truck Involved Wrong Way Driving Crashes in the State of Florida. *Vehicles* 2022, 4, 766–779. <https://doi.org/10.3390/vehicles4030043>
  14. Sarker\*, A., Rahimi\*, A., Azimi\*, G., & **Jin, X.** Investigating Older Adults’ Propensity toward Ridesourcing Services. *Journal of Transportation Engineering, Part A: Systems*, Vol. 148, Issue 9, September 2022. <https://doi.org/10.1061/JTEPBS.0000715>
  15. Azimi\*, G., & **Jin, X.** (2022) Propensity toward Ridesourcing: The Impacts of Previous Experience and Mode Dependency. *Journal of Transportation Engineering, Part A: Systems* Vol 148, Issue 4, April 2022. <https://doi.org/10.1061/JTEPBS.0000647>
  16. Rahimi\*, A., Azimi\*, G., & **Jin, X.** (2022) What Drives Commuters to Pay for Autonomous Vehicles. *Transportation Research Record*, Vol 2676, Issue 4, April 2022. <https://doi.org/10.1177/03611981211058095>.
  17. Asgari\*, H., Gupta, R., Azimi\*, G., & **Jin, X.** (2022) Heterogeneity in Generational Effects: Case Study of Ride-hailing Behavior among Millennials. *Transportation Research Record*, Vol 2676, Issue 3, March 2022 <https://doi.org/10.1177/03611981211057530>.

18. Alam\*, R., Sadri, A. & **Jin, X.** (2021) Identifying Public Perceptions toward Emerging Transportation Trends and Mobility Indicators through Social Media based Interactions. *Future Transportation* December 2021, 1(3), 794-813; <https://doi.org/10.3390/futuretransp1030044>.
19. Gupta, R., Asgari\*, H., Azimi\*, G., Rahimi\*, A., & **Jin, X.** (2021) Analysis of Fatal Truck-Involved Work Zone Crashes in Florida: Application of Tree-Based Models. *Transportation Research Record*, VOL 2675, Issue 12, December 2021. <https://doi.org/10.1177/03611981211033278>.
20. Azimi\*, G., Rahimi\*, A., & **Jin, X.** (2021) Exploring the Attitudes of Millennials and Generation Xers toward Ridesourcing Services. *Transportation*, September 2021. <https://doi.org/10.1007/s11116-021-10227-y>.
21. Mirzahosseini, H., Rassafi, A.A., Sadeghi, K and Jin, X. (2021) Transit-oriented development form on traffic assignment, transit and land-use features. *Urban Design and Planning*, Vol 174, Issue 3, August 2021, pp. 102-115. <https://doi.org/10.1680/jurdp.21.00013>.
22. Azimi\*, G., Rahimi\*, A., Lee, M. & **Jin, X.** (2021) Mode Choice Behavior for First and Last Mile Connection to Transit Services. *International Journal of Transportation Science and Technology*, Volume 10, Issue 2, June 2021, 136-155. <https://doi.org/10.1016/j.ijst.2020.11.004>.
23. Asgari\*, H., & **Jin, X.** (2020). Propensity Toward Ride-Sourcing: Expected Travel Time and Cost Savings to Switch from Private Mobility. *Transportation Research Part C: Emerging Technologies* 121, 102883. <https://doi.org/10.1016/j.trc.2020.102883>.
24. Rahimi\*, A., Azimi\*, G., Asgari\*, H., & **Jin, X.** (2020). Adoption and willingness to pay for autonomous vehicles: Study of attitudes and latent classes. *Transportation Research Part D: Transport and Environment*, Volume 89, 102611. <https://doi.org/10.1016/j.trd.2020.102611>.
25. Rahimi\*, A., Azimi\*, G., & **Jin, X.** (2020). Investigating Generational Disparities in Attitudes toward Emerging Mobility Options. *Transportation Research Part C: Emerging Technologies* 121, 102836. <https://doi.org/10.1016/j.trc.2020.102836>
26. Rahimi\*, A., Azimi\*, G., & **Jin, X.** (2020). Examining Human Attitudes toward Emerging Vehicle Technologies and Mobility Options. *Transportation Research Part F: Traffic Psychology and Behaviour* 72, 133-154, July 2020. <https://doi.org/10.1016/j.trf.2020.05.001>
27. Azimi\*, G., Rahimi\*, A., Asgari\*, H., & **Jin, X.** (2020). Role of Attitudes in Transit and Auto Users' Mode Choice of Ridesourcing. *Transportation Research Record*, Volume: 2674 issue: 11, page(s): 1-16. <https://doi.org/10.1177/0361198120941841>.
28. Azimi\*, G., Rahimi\*, A., Asgari\*, H., & **Jin, X.** (2020). Severity Analysis for Large Truck Rollover Crashes using a Random Parameter Ordered Logit Model. *Accident Analysis and*

29. Asgari\*, H., & **Jin, X.** (2019). Incorporating Habitual Behavior into Mode Choice Modeling in Light of Emerging Mobility Services. *Sustainable Cities and Society*, Volume 52, January 2020, 101735. <https://doi.org/10.1016/j.scs.2019.101735>.
30. Asgari\*, H., Rojas\*, M., & **Jin, X.** (2019). Time Geography of Daily Activities: A Closer Look into Telecommute Impacts. *Travel Behaviour and Society*, Volume 16, July 2019, Pages 99-107. <https://doi.org/10.1016/j.tbs.2019.04.009>.
31. Rahimi\*, A., Azimi\*, G., Asgari\*, H., & **Jin, X.** (2019). Clustering Approach toward Large Truck Crash Analysis. *Transportation Research Record*, Vol 2673, Issue 8, August 2019. <https://doi.org/10.1177/0361198119839347>
32. Asgari\*, H. & **Jin, X.** (2019). Incorporating Attitudinal Factors to Examine Adoption of and Willingness to Pay for Autonomous Vehicles. *Transportation Research Record*, Vol 2673, Issue 8, pp 418-429. <https://doi.org/10.1177/0361198119839987>
33. Asgari\*, H., **Jin, X.**, & Corkery, T. (2018). A Stated Preference Survey Approach to Understanding Mobility Choices in Light of Shared Mobility Services and Automated Vehicle Technologies in the US. *Transportation Research Record*, Volume: 2672 issue: 47, page(s): 12-22. <https://doi.org/10.1177/0361198118790124>
34. Shams\*, K., Asgari\*, H. Hossan\*, Md. S., & **Jin, X.** (2018). An Investigation of Tour Generation Models Combining Two Waves of Household Travel Surveys through Pooled Models. *Transportation Planning and Technology*, Volume 41, pp 229-243. <https://doi.org/10.1080/03081060.2018.1435415>
35. **Jin, X.**, Hossan\*, Md. S., Asgari\*, H., & Shams\*, K. (2018). Incorporating Attitudinal Aspects in Roadway Pricing Analysis. *Transport Policy*, Volume 62, pp.38-47. <http://dx.doi.org/10.1016/j.tranpol.2017.03.020>.
36. Hossan\*, Md. S., Asgari\*, H. & **Jin, X.** (2017). Trip Misreporting Forecast Using Count Data Model in a GPS Enhanced Travel Survey. *Transportation*. Volume 45, Issue 6, pp 1687–1700. <https://doi.org/10.1007/s11116-017-9782-2>
37. Asgari\*, H. & **Jin, X.** (2017). An Evaluation of Part-Day Telecommute Impacts on Work Trip Departure Times. *Travel Behavior and Society*, Volume 12, Pages 84-92. <https://doi.org/10.1016/j.tbs.2017.04.002>
38. Asgari\*, H. & **Jin, X.** (2017). The Impacts of Telecommuting on Non-Mandatory Activity Participation: the Role of Endogeneity. *Transportation Research Record: Journal of the Transportation Research Board*, No. 2666, pp. 47-57. <http://dx.doi.org/10.3141/2666-06>
39. Shams\*, K., **Jin, X.** Asgari\*, H. Hossan\*, Md. S., & Fitzgerald, R. (2017). Value of Reliability for Road Freight Transportation: Evidence from a Stated Preference Survey in

Florida. Transportation Research Record: Journal of the Transportation Research Board, No. 2610, pp. 35-43. <http://dx.doi.org/10.3141/2610-05>.

40. Shams\*, K., Asgari\*, H., & **Jin, X.** (2017) Valuation of Travel Time Reliability in Freight Transportation: A Review and Meta-Analysis of Stated Preference Studies. Transportation Research Part A: Policy and Practice, Volume 102, pp. 228-243. <http://dx.doi.org/10.1016/j.tra.2016.08.001>
41. Lavasani\*, M., Md. S. Hossan\*, H. Asgari\*, and **X. Jin** (2016). Examining methodological issues on combined RP and SP data. Transportation Research Procedia, Volume 25, 2330-2343. <https://doi.org/10.1016/j.trpro.2017.05.218>
42. Zaman\*, N., H. Asgari\*, and **X. Jin** (2016). Understanding Immigrants' Mode Choice Behavior: Analysis of Neighborhood Effects and Cultural Assimilation. Transportation Research Procedia, Volume 25, 3083-3099. <https://doi.org/10.1016/j.trpro.2017.05.319>
43. Hossan\*, Md. S., Asgari\*, H., & **Jin, X.** (2016) Investigating preference heterogeneity in Value of Time (VOT) and Value of Reliability (VOR) estimation for managed lanes. Transportation Research Part A: Policy and Practice, Volume 94, pp. 638-649. <http://dx.doi.org/10.1016/j.tra.2016.10.022>
44. Asgari\*, H., **Jin, X.** & Du, Y. (2016). Examining Impacts of Telecommuting on Time Use of Non-mandatory Activities. Transportation Research Record: Journal of the Transportation Research Board, No. 2566, pp. 83-92. <http://dx.doi.org/10.3141/2566-09>
45. Lavasani\*, M., **Jin, X.** & Du, Y. (2016). Market Penetration Model for Autonomous Vehicles on the Basis of Earlier Technology Adoption Experience. Transportation Research Record, Journal of the Transportation Research Board, No.2597, pp. 67-74. <http://dx.doi.org/10.3141/2597-09>
46. Rojas\*, M., Sadeghvaziri\*, E., & **Jin, X.** (2016). Comprehensive Review of Travel Behavior and Mobility Pattern Studies Using Mobile Phone Data. Transportation Research Record, Journal of the Transportation Research Board, No. 2563, pp.71-79. <http://dx.doi.org/10.3141/2563-11>
47. Sadeghvaziri\*, E., Rojas\*, M., & **Jin, X.** (2016). Exploring the Potential of Mobile Phone Data in Travel Pattern Analysis. Transportation Research Record, Journal of the Transportation Research Board, No. 2594, pp.27-34. <http://dx.doi.org/10.3141/2594-04>
48. Inanloo, B., Tansel, B., Shams\*, K., **Jin, X.**, & Gan, A. (2016). A decision aid GIS-based risk assessment and vulnerability analysis approach for transportation and pipeline networks. Safety Science Volume 84, April 2016, pp. 57-66. <http://dx.doi.org/10.1016/j.ssci.2015.11.018>
49. Inanloo, B., Tansel, B., **Jin, X.**, & Bernardo-Bricker, A. (2016). Cargo-Specific Accidental Release Impact Zones for Hazardous Materials: Risk and Consequence Comparison for Ammonia and Hydrogen Fluoride. Environment Systems and Decisions 35(4): 1-14. <http://dx.doi.org/10.1007/s10669-015-9576-z>

50. Asgari\*, H. & **Jin, X.** (2015). Towards a Comprehensive Telecommuting Analysis Framework: Setting the Conceptual Outline. *Transportation Research Record: Journal of the Transportation Research Board*, (2496), 1-9. <http://dx.doi.org/10.3141/2496-01>
51. Asgari\*, H. & **Jin, X.** (2014). Choice, Frequency, and Engagement – A Framework for Telecommuting Behavior Analysis and Modeling. *Transportation Research Record: Journal of the Transportation Research Board*, (2413), 101-109. <http://dx.doi.org/10.3141/2413-11>
52. **Jin, X.**, Hossan\*, Md. S., Gan, A., & Chen, D. (2014). A Comprehensive Framework for Traffic Incident Management Program Planning and Assessment. *Transportation Research Record: Journal of the Transportation Research Board*, (2470), 1-12. <http://dx.doi.org/10.3141/2470-01>
53. **Jin, X.**, & Wu, J. (2011). Propensity to telecommute: Exploring the national household travel survey. *Transportation Research Record: Journal of the Transportation Research Board*, (2231), 110-119. <http://dx.doi.org/10.3141/2231-14>
54. Wu, J., **Jin, X.**, Horowitz, A., & Gong, D. (2009). Experiment to improve estimation of vehicle queue length at metered on-ramps. *Transportation Research Record: Journal of the Transportation Research Board*, (2099), 30-38. <http://dx.doi.org/10.3141/2099-04>
55. **Jin, X.**, & Horowitz, A. (2008). Time-of-day choice modeling for long-distance trips. *Transportation Research Record: Journal of the Transportation Research Board*, (2076), 200-208. <http://dx.doi.org/10.3141/2076-22>
56. Yang, F., **Jin, X.**, & Liu, R. (2008). Tour based Time of Day Choices for Weekend Non-Work Activities. *Transportation Research Record: Journal of the Transportation Research Board*, (2054), 37-45. <http://dx.doi.org/10.3141/2054-05>
57. Wu, J., **Jin, X.**, & Horowitz, A. (2008). Methodologies for estimating vehicle queue length at metered on-ramps. *Transportation Research Record: Journal of the Transportation Research Board*, (2047), 75-82. <http://dx.doi.org/10.3141/2047-09>
58. Chiao, KA., **Jin, X.**, & Yang, F. (2008). Travel Demand Forecasting in China and the US. *Urban Transport of China*, 2008 Issue 2, 77-82. ISSN 1672-5328(2008)02-0077-06
59. Zou, X., Chiao, KA., **Jin, X.**, & Yang, F. (2008). Trends and Prospects of Travel Demand Modeling Practices in China and the US. *Urban Transport of China*, 2008 Issue 2, 83-86. ISSN 1672-5328(2008)02-0083-04
60. Chiao, KA., Yang, Y., Yang, F., **Jin, X.**, & Zou, X. (2008). Legislation Background of Urban Travel Demand Forecasting in the U.S. *Urban Transport of China*, 2008 Issue 2, 73-76. ISSN 1672-5328(2008)02-0073-04
61. Beimborn, E., Greenwald, M., & **Jin, X.** (2003). Accessibility, connectivity, and captivity: impacts on transit choice. *Transportation Research Record: Journal of the Transportation Research Board*, (1835), 1-9. <http://dx.doi.org/10.3141/1835-01>

## Fully Referred Conference Proceedings

1. Asgari\*, H., Gupta, R., & **Jin, X.** (2022) Post-Pandemic Telework: The Role of Employee Perceptions and Attitudes. Presentation at the 101 annual meeting of the Transportation Research Board, National Research Council, Washington, D.C., 2022.
2. Alam\*, R., Sadri, A. & **Jin, X.** (2022) Identifying Public Perceptions toward Emerging Transportation Trends Through social media–Based Interactions: A Pilot Study. Presentation at the 101 annual meeting of the Transportation Research Board, National Research Council, Washington, D.C., 2022.
3. Frolich\*, D. & **Jin, X.** (2022) Challenges and Opportunities for Bus Rapid Transit in South Florida. Presentation at the 101 annual meeting of the Transportation Research Board, National Research Council, Washington, D.C., 2022.
4. Azimi\*, G., Rahimi\*, A., & **Jin, X.** (2022) Exploring the Attitudes of Millennials and Generation Xers toward Ridesourcing Services. Presentation at the 101 annual meeting of the Transportation Research Board, National Research Council, Washington, D.C., 2022.
5. Azimi\*, G., Rahimi\*, A., Lee, M. & **Jin, X.** The Role of Shared Mobility for the First and Last Mile Connection to Public Transit. Presentation at the 100 annual meeting of the Transportation Research Board, National Research Council, Washington, D.C., 2021.
6. Rahimi\*, A., Azimi\*, G., Asgari\*, H., & **Jin, X.** The Role of Modality Style on the Adoption and Willingness to Pay for Autonomous Vehicles. Presentation at the 100 annual meeting of the Transportation Research Board, National Research Council, Washington, D.C., 2021.
7. Rahimi\*, A., Azimi\*, G., & **Jin, X.** Decomposing Generational Gap in Attitudes Toward Automated Vehicles and Conventional Modes of Transportation. Presentation at the 100 annual meeting of the Transportation Research Board, National Research Council, Washington, D.C., 2021.
8. Asgari\*, H., Rahimi\*, A., Azimi\*, G., & **Jin, X.** Analysis of Truck-Involved Work Zone Crash Fatalities in Florida. Presentation at the 100 annual meeting of the Transportation Research Board, National Research Council, Washington, D.C., 2021.
9. Asgari\*, H., Gupta, R., **Jin, X.** Millennials and Automated Mobility: Exploring the Role of Generation and Attitudes on AV Adoption and Willingness-to-Pay. Presentation at the 100 annual meeting of the Transportation Research Board, National Research Council, Washington, D.C., 2021.
10. Lee, M., Tousif\*, F & **Jin, X.** Examining the Mobility Needs and Challenges of Older Adults in Urban, Suburban, and Rural Environments. Presentation at the 100 annual meeting of the Transportation Research Board, National Research Council, Washington, D.C., 2021.
11. Asgari\*, H., Gupta, R., Azimi\*, G., & **Jin, X.** Heterogeneity in Generational Effects: Case Study of Ride-hailing Behavior among Millennials. Presentation at the 100 annual meeting



of the Transportation Research Board, National Research Council, Washington, D.C., 2021.

12. Rahimi\*, A., Azimi\*, G., Asgari\*, H., & **Jin, X.** (2020). Potential Implications of Automated Vehicle Technologies on Travel Behavior: A Literature Review. In International Conference on Transportation and Development 2020 (pp. 234-247).
13. Rahimi\*, A., Azimi\*, G., Asgari\*, H., & **Jin, X.** (2020). Injury Severity of Pedestrian and Bicyclist Crashes Involving Large Trucks. In International Conference on Transportation and Development 2020 (pp. 110-122).
14. Rahimi, A., Azimi, G., Jin, X., Zhai, L., & Bejleri, I. (2020). Exploring crash causation for large truck-involved accidents: A hierarchical framework. In International Conference on Transportation and Development 2020 (pp. 363-375).
15. Making a Case for Accessibility-Oriented Transportation Planning: Evaluation of Economic Benefits from Accessibility Improvement in the Process of Project Programming. In International Conference on Transportation and Development 2020 (pp. 241-250).
16. Anam\*, S., Lee, M., & Jin, X. Evaluating the Economic Impacts of Large Truck Crash Reduction with Input-Output Analysis. Presented at the 99th annual meeting of the Transportation Research Board, National Research Council, Washington, D.C., 2020.
17. Azimi\*, G., Rahimi\*, A., Asgari\*, H., & Jin, X. Transit and Non-Transit Users' Mode Choice of Ridesourcing: The Role of Attitudes. Presented at the 99th annual meeting of the Transportation Research Board, National Research Council, Washington, D.C., 2020.
18. Asgari\*, H., Azimi\*, G., Rahimi\*, A., & Jin, X. Impacts of Mode-Dependency on Ride-Hailing Decisions. Presented at the 99th annual meeting of the Transportation Research Board, National Research Council, Washington, D.C., 2020.
19. Huq\*, A., Lee, M., & Jin, X. A Comprehensive Examination of Highway Secondary Crash Risk Factors. Presented at the 99th annual meeting of the Transportation Research Board, National Research Council, Washington, D.C., 2020.
20. Asgari\*, H. and **X. Jin** (2019). Propensity Toward Ride-Hailing: Expected Travel Time and Cost Savings to Switch from Private Mobility. *Proceedings of the 98<sup>th</sup> annual meeting of the Transportation Research Board*, National Research Council, Washington, D.C., 2019.
21. Azimi\*, G., Asgari\*, H., Rahimi\*, A., and X. Jin (2019). Investigation of Heterogeneity in Severity Analysis for Large Truck Crashes. *Proceedings of the 98<sup>th</sup> annual meeting of the Transportation Research Board*, National Research Council, Washington, D.C., 2019.
22. Asgari\*, H. and **X. Jin** (2019). Incorporating Attitudinal Factors to Examining Adoption of and Willingness to Pay for Autonomous Vehicles. *Proceedings of the 98<sup>th</sup> annual meeting of the Transportation Research Board*, National Research Council, Washington,



D.C., 2019.

23. Asgari\*, H. and **X. Jin** (2019). The Role of Habitual Behavior in Mode Choice of Emerging Mobility Services. *Proceedings of the 98<sup>th</sup> annual meeting of the Transportation Research Board*, National Research Council, Washington, D.C., 2019.
24. Rahimi\*, A., Azimi\*, G., Asgari\*, H., and **X. Jin** (2019). A Clustering Approach Toward Large Truck Crash Analysis. *Proceedings of the 98<sup>th</sup> annual meeting of the Transportation Research Board*, National Research Council, Washington, D.C., 2019.
25. Asgari\*, H., **X. Jin**, and T. Corkery (2018). A Stated Preference Survey Approach to Understand Mobility Choices in Light of Shared Mobility Services and Automated Vehicles Technologies in the US. *Proceedings of the 97<sup>th</sup> annual meeting of the Transportation Research Board*, National Research Council, Washington, D.C., 2018.
26. Asgari\*, H., **X. Jin**, and M. Rojas (2018). The Impacts of Telecommuting on the Time-Space Distribution of Daily Activities. *Proceedings of the 97<sup>th</sup> annual meeting of the Transportation Research Board*, National Research Council, Washington, D.C., 2018.
27. Selby, B., A. Komanduri, E. Brown, S. Hsieh, **X. Jin**, and Z. Gu (2018). An Enhanced Framework for the Expansion of Establishment Surveys: Case Studies from New York and Phoenix. *Proceedings of the 97<sup>th</sup> annual meeting of the Transportation Research Board*, National Research Council, Washington, D.C., 2018.
28. Lavasani\*, M., H. Asgari \*, **X. Jin**, and A. Pinjari (2017). Investigating Willingness to Pay for Autonomous Vehicles and Likelihood of Residential Relocation. *Proceedings of the 96<sup>th</sup> annual meeting of the Transportation Research Board*, National Research Council, Washington, D.C., 2017.
29. Wu, J., X. Qin, A. Horowitz, and **X. Jin** (2017). Relationships among Flow, Speed, Density, and Occupancy along Signalized Arterials. *Proceedings of the 96<sup>th</sup> annual meeting of the Transportation Research Board*, National Research Council, Washington, D.C., 2017.
30. Asgari\*, H. and **X. Jin** (2017). The Impacts of Telecommuting on Non-Mandatory Activity Participation: the Role of Endogeneity. *Proceedings of the 96<sup>th</sup> annual meeting of the Transportation Research Board*, National Research Council, Washington, D.C., 2017.
31. Shams\*, K., and **X. Jin** (2017). Value of Reliability for Road Freight Transportation: Evidence from a Stated Preference Survey in Florida. *Proceedings of the 96<sup>th</sup> annual meeting of the Transportation Research Board*, National Research Council, Washington, D.C., 2017.
32. Shams\*, K., **X. Jin**, R. Fitzgerald (2016). Stated Preference Survey Design to Understand How Freight Users Value Travel Time Reliability. *Transportation Research Procedia, Proceedings of the 14<sup>th</sup> World Conference on Transport Research*, Shanghai, China, July 10-15, 2016.
33. Asgari\*, H. and **X. Jin** (2016). Investigation of Commute Departure Time to Understand

the Impacts of Part-Day Telecommuting on the Temporal Displacement of Commute Travel. *Proceedings of the 95<sup>th</sup> annual meeting of the Transportation Research Board*, National Research Council, Washington, D.C., 2016.

34. Lavasani\*, M., Md. S. Hossan\*, and **X. Jin** (2016). Investigating Modeling Approaches in Addressing Pooled Estimation based on RP and SP Data. *Proceedings of the 95<sup>th</sup> annual meeting of the Transportation Research Board*, National Research Council, Washington, D.C., 2016.
35. Shams\*, K., **X. Jin** and R. Fitzgerald (2016). A Comprehensive Review and Meta-Analysis of Stated Preference Studies for Valuation of Travel Time Reliability in Freight Transport. *Proceedings of the 95<sup>th</sup> annual meeting of the Transportation Research Board*, National Research Council, Washington, D.C., 2016.
36. Asgari\*, H., F. Hu\*, and **X. Jin** (2016). The Impacts of Shoulder Days on Non-mandatory Activity Duration: A Time-Use Analysis Based on NHTS 2009 Survey. *Proceedings of the 95<sup>th</sup> annual meeting of the Transportation Research Board*, National Research Council, Washington, D.C., 2016.
37. Asgari\*, H. and **X. Jin** (2016). Examining Impacts of Telecommuting on Time Use of Non-mandatory Activities. *Proceedings of the 95<sup>th</sup> annual meeting of the Transportation Research Board*, National Research Council, Washington, D.C., 2016.
38. Lavasani\*, M. and **X. Jin** (2016). Market Penetration Model for Autonomous Vehicles Based on Previous Technology Adoption Experiences. *Proceedings of the 95<sup>th</sup> annual meeting of the Transportation Research Board*, National Research Council, Washington, D.C., 2016.
39. Rojas\*, M., E. Sadeghvaziri\*, and **X. Jin** (2016). Comprehensive Review of Travel Behavior and Mobility Pattern Studies Using Mobile Phone Data. *Proceedings of the 95<sup>th</sup> annual meeting of the Transportation Research Board*, National Research Council, Washington, D.C., 2016.
40. Sadeghvaziri\*, E., M. Rojas\*, and **X. Jin** (2016). Exploring the Potential of Mobile Phone Data in Travel Pattern Analysis. *Proceedings of the 95<sup>th</sup> annual meeting of the Transportation Research Board*, National Research Council, Washington, D.C., 2016.
41. Asgari\*, H. and **X. Jin** (2015). Analysis of Telecommuting Behavior: Substitution or supplementary? Combining Lifestyle Choice with Daily Engagement (2015). *Proceedings of the 94<sup>th</sup> annual meeting of the Transportation Research Board*, National Research Council, Washington, D.C., 2015.
42. Asgari\*, H. and **X. Jin** (2015). Towards a Comprehensive Telecommuting Analysis Framework: Setting the Conceptual Outline. *Proceedings of the 94<sup>th</sup> annual meeting of the Transportation Research Board*, National Research Council, Washington, D.C., 2015.
43. Shams\*, K., **X. Jin**, and H. Asgari\*, & Md. S. Hossan\* (2015). An Investigation of Temporal Transferability Comparing Trip-based and Tour-Based Choice Models.

*Proceedings of the 94<sup>th</sup> annual meeting of the Transportation Research Board*, National Research Council, Washington, D.C., 2015.

44. Zhang\*, Z., **X. Jin**, J. Wu, Md. S. Hossan\*, A. Gan, and D. Chen (2015). An Overview of TMC Practices— Results from a Nationwide Survey. *Proceedings of the 94<sup>th</sup> annual meeting of the Transportation Research Board*, National Research Council, Washington, D.C., 2015.
45. **Jin, X.**, Z. Zhang\*, J. Wu, Md. S. Hossan\*, A. Gan, and D. Chen (2015). Potential for Applying Advanced Technologies at TMCs – Results from a Nationwide Survey. *Proceedings of the 94<sup>th</sup> annual meeting of the Transportation Research Board*, National Research Council, Washington, D.C., 2015.
46. Hossan\*, Md. S., **X. Jin**, A. Gan, and D. Chen (2015). A Comprehensive Framework of Performance Measurement for Traffic Incident Management Programs. *Proceedings of the 94<sup>th</sup> annual meeting of the Transportation Research Board*, National Research Council, Washington, D.C., 2015.
47. Inanloo, B., B. Tansel, and **X. Jin** (2015). A Framework for Hazardous Tanker Truck Routing: Consideration of Health Risk, Transportation, and Congestion Costs. *Proceedings of the 94<sup>th</sup> annual meeting of the Transportation Research Board*, National Research Council, Washington, D.C., 2015.
48. **Jin, X.**, Asgari\*, H., and Md. S. Hossan\* (2014). Understanding Trip Misreporting in Household Travel Surveys by Comparing GPS- Assisted and Diary-Based Samples. Safe, Smart, and Sustainable Multimodal Transportation Systems. *Proceedings of the 14th COTA International Conference of Transportation Professionals (CICTP 2014)*, pp. 3401-3412.
49. Tansel, B., **X. Jin**, B. Inanloo, and K. Shams\* (2014). Failure Risks of Pipeline Networks and Impacts on Transportation Services. *Proceedings of the 2014 World Environmental and Water Resources Congress*, Portland, Oregon, May 2014.
50. Asgari\*, H. and **X. Jin** (2014). On the Impacts of Telecommuting over Daily Activity/Travel Behavior; A Comprehensive Investigation through Different Telecommuting Patterns. *The 5th Innovations in Travel Demand Forecasting Conference*, Baltimore, Maryland, April 2014.
51. Asgari\*, H. and **X. Jin** (2014). Choice, Frequency, and Engagement – A Framework for Telecommuting Behavior Analysis and Modeling. *Proceedings of the 93<sup>rd</sup> annual meeting of the Transportation Research Board*, National Research Council, Washington, D.C., 2014.
52. **Jin, X.**, Md. S. Hossan\*, A. Gan, and D. Chen (2014). A Comprehensive Framework for Traffic Incident Management Program Planning and Assessment. *Proceedings of the 93<sup>rd</sup> annual meeting of the Transportation Research Board*, National Research Council, Washington, D.C., 2014.
53. Shames\*, K. and **X. Jin** (2014). Examining Temporal Transferability of Trip Frequency

Choice Models. *Proceedings of the 93<sup>rd</sup> annual meeting of the Transportation Research Board*, National Research Council, Washington, D.C., 2014.

54. Inanloo, B., B. Tansel, and **X. Jin** (2014). Cargo Specific Air Dispersion and Impact Zone Analysis after Accidental Release of Hazardous Materials. *Proceedings of the 93<sup>rd</sup> annual meeting of the Transportation Research Board*, National Research Council, Washington, D.C., 2014.
55. Tansel, B., Shams, K., **Jin, X.**, & Gan, A. (2014). Interactive Vulnerability of Transportation and Pipeline Networks: GIS-Based Quantitative Risk Assessment. In Transportation Research Board 93rd Annual Meeting (No. 14-1430).
56. **Jin, X.**, J. Wu, H. Asgari\*, and J. Argote (2013). Examining Trip Misreporting Behavior Using GPS-Assisted Household Travel Surveys. *Proceedings of the 92<sup>nd</sup> annual meeting of the Transportation Research Board*, National Research Council, Washington, D.C., 2013.
57. **Jin, X.**, and J. Wu (2011). Propensity to Telecommute – Exploring the National Household Travel Survey. *Proceedings of the 90<sup>th</sup> annual meeting of the Transportation Research Board*, National Research Council, Washington, D.C., 2011.
58. Wu, J., **Jin, X.**, & Horowitz, A. J. (2011). Comparison of Queue Estimation Models at Traffic Signals. In 18th ITS World Congress.
59. **Jin, X.**, KA. Chiao, and A. Mohseni (2010). Effects of Land Use and Origin-Destination Pattern on Mode Choice Modeling. *Proceedings of the 89th Annual Meeting of the Transportation Research Board*, National Research Council, Washington, D.C., 2010.
60. **Jin, X.**, and KA. Chiao (2010). New York Transportation Information Gateway – Integrating Planning Data, Models and Visualization Tools. *Proceedings of the 89th Annual Meeting of the Transportation Research Board*, National Research Council, Washington, D.C., 2010.
61. **Jin, X.**, and A.J. Horowitz (2009). Transferability of Time-of-Day Choice Modeling for Long-Distance Trips. *Proceedings of the 88th Annual Meeting of the Transportation Research Board*, National Research Council, Washington, D.C., 2009.
62. Wu, J., **X. Jin**, and A.J. Horowitz (2009). Experiment to Improve Estimation of Vehicle Queue Length at Metered On-Ramps. *Proceedings of the 88th Annual Meeting of the Transportation Research Board*, National Research Council, Washington, D.C., 2009.
63. **Jin, X.**, and A.J. Horowitz (2008). Time-of-Day Choice Modeling for Long-Distance Trips. *Proceedings of the 87th Annual Meeting of the Transportation Research Board*, National Research Council, Washington, D.C., 2008.
64. **Jin, X.**, & Chiao, K. A. (2008). Synthesis of Time-of-Day Modeling Research. In Transportation Research Board 87th Annual Meeting (No. 08-2765).

65. Yang, F., **X. Jin**, and R. Liu (2008). Tour based Time of Day Choices for Weekend NonWork Activities. *Proceedings of the 87th Annual Meeting of the Transportation Research Board*, National Research Council, Washington, D.C., 2008.
66. Wu, J., **X. Jin**, and A.J. Horowitz (2008). Methodologies for Estimating Metered On-Ramp Vehicle Queue Length. *Proceedings of the 87th Annual Meeting of the Transportation Research Board*, National Research Council, Washington, D.C., 2008.
67. Wang, W., S. Yang, and **X. Jin** (2008). Optimization Model for Locating Service Stations along the Freeway. *American Society of Civil Engineers Transportation and Development Innovative Best Practices*, pp. 136-141, 2008.
68. Horowitz, A.J., **X. Jin**, and Y. Zhu (2008). Transferability of the Business Attraction Module in the Highway Economic Analysis Tool. *2008 Mid-Continent Transportation Research Forum*, Madison, Wisconsin, August 2008.
69. Wu, J., and **X. Jin** (2008). Reforming Ramp Meter Queue Override. *Proceedings of the 15th World Congress on Intelligent Transportation Systems*, New York, New York, 2008.
70. Beimborn, E. A., Greenwald, M. J., & **Jin, X.** (2003). Transit accessibility and connectivity impacts on transit choice and captivity. In TRB 82nd Annual Meeting, Washington, DC.

#### **Chapters in Books (fully refereed)**

1. **Jin, X.**, H. Asgari\*, and S. Hossan\* (2014). Understanding Trip Misreporting Behavior Using Global Positioning System-Assisted Household Travel Survey. In *Mobile Technologies for Activity-Travel Data Collection and Analysis*, Chapter 6, pp.91-103, IGI Global, 2014. <https://dx.doi.org/10.4018/978-1-4666-6170-7.ch006>
2. **Jin, X.**, and A.J. Horowitz (2009). Transferability of Time-of-Day Choice Modeling for Long-Distance Trips. In *Transportation Statistics*, Chapter 12, ed. Brian W. Sloboda J. Ross Publishing, Inc. ISBN 9781604270082

#### **Government Reports or Monographs**

1. **Jin, X.** & Titiloye, I. (2022). Investigation of E-Commerce Enabled Freight Demand and Activities in Residential Areas. Final Report, Forecasting and Trends Office, Florida Department of Transportation, Tallahassee, FL.
2. **Jin., X.**, Frolich., D. & Sakoat., A. (2022). Investigating the Potential of Micromobility Services in South Florida (Thrust 1 Project D4). Final Report, the Southeastern Transportation Research, Innovation, Development and Education Center (STRIDE), Gainesville, FL.
3. **Jin., X.**, Lee, M., & Sakoat., A. (2021). The Potential of Emerging Mobility Services for an Aging Population (Thrust 2 Project C3). Final Report, the Southeastern Transportation Research, Innovation, Development and Education Center (STRIDE), Gainesville, FL.

4. Lee, M., Li, C. & **Jin, X.** (2021). Evaluation and Enhancement of the Florida Statewide Model. Final Report, Forecasting and Trends Office, Florida Department of Transportation, Tallahassee, FL.
5. Fabian Cevallos, Lilibeth Turino, & **Jin, X.** (2021) A Synthesis on Data Mining Methods and Applications for Automated Fare Collection (AFC) Data. Final Report, Planning and Environmental Management Office, District 6, Florida Department of Transportation, Miami, FL.
6. **Jin, X.**, & Frolich., D. (2020) Evaluating the Propensity toward Telecommuting. Final Report, Planning and Environmental Management Office, Florida Department of Transportation - District 6, Florida Department of Transportation, Miami, FL.
7. **Jin, X.**, R. Alam, A. Sadri, & L. Zhang (2020). Identifying and Tracking Emerging Transportation Trends and Indicators. Final Report, Forecasting and Trends Office, Florida Department of Transportation, Tallahassee, FL.
8. Lee, M., & **Jin, X.** (2020). Assessing the Health Impacts of Transportation Projects – a Synthesis. Final Report, Planning and Environmental Management Office, District 6, Florida Department of Transportation, Miami, FL.
9. **Jin, X.** & D. Frolich (2020). Evaluating the Propensity toward Telecommuting. Final Report, Planning and Environmental Management Office, District 6, Florida Department of Transportation, Miami, FL.
10. **Jin, X.**, A. Rahimi, G. Azimi (2020). The Impacts of Emerging Mobility Options and Vehicle Technologies on Travel Behavior. Florida Department of Transportation.
11. Lee, M., & **Jin, X.** (2020). Incorporating Reliability Measures into the Freight Project Prioritization Decision Support System. Florida Department of Transportation.
12. **Jin, X.**, G. Azimi, A. Rahimi and M. Lee (2020). Discovering Potential Market for the Integration of Public Transportation and Emerging Shared-Mobility Services. Final Report, the Southeastern Transportation Research, Innovation, Development and Education Center (STRIDE), Gainesville, FL.
13. **Jin, X.**, H. Asgari, M. Lee, A. Rahimi, G. Azimi, I. Bejleri, N. Hakim, .L Zhai, G. Carrick (2019) Large Truck Crash Analysis for Freight Mobility and Safety Enhancement in Florida, Florida Department of Transportation
14. **Jin, X.**, H. Asgari and C. Liu (2018). Incorporating Transit Service Decisions into Express Lane Programs. Final Report, Public Transit Office, Florida Department of Transportation, Tallahassee, FL.
15. **Jin, X.** and H. Asgari (2018). Potential Implications of Automated Vehicle Technologies

on Travel Behavior. Final Report, Forecasting and Trends Office, Florida Department of Transportation, Tallahassee, FL.

16. **Jin, X.**, and K. Shams (2016). Examining the Value of Travel Time Reliability for Freight Transportation to Support Freight Planning and Decision-Making. Final Report, Freight Logistics and Passenger Operations Office, Florida Department of Transportation, Tallahassee, FL.
17. **Jin, X.**, S. Hossan, and H. Asgari (2015). Investigating the Value of Time and Value of Reliability for Managed Lanes. Final Report, System Planning Office, Florida Department of Transportation, Tallahassee, FL.
18. **Jin, X.**, and Z. Zhang (2015). A synthesis of the “State-of-the-Practice for Advancing Planning and Operations Integration Opportunities within Transportation Agencies”. Final Report, System Planning Office, Florida Department of Transportation, Tallahassee, FL.
19. **Jin, X.**, H. Asgari, F. Hu, and Md. S. Hossan (2014). Towards a Holistic Understanding of Quality of Life: An Analysis of Activity-Travel Patterns on Non-Mid-Week Days – Activity Participation and Duration. Final Report, the Southeastern Transportation Research, Innovation, Development and Education Center (STRIDE), Gainesville, FL.
20. **Jin, X.**, Z. Zhang, and A. Gan (2014). Traffic Management Centers: Challenges, Best Practices, and Future Plans. Final Report, the National Center for Transportation System Productivity and Management, Atlanta, GA.
21. **Jin, X.**, Md. S. Hossan, and A. Gan (2014). Traffic Incident Management Program Assessment and Performance Measures. Final Report, District Four Florida Department of Transportation, Fort Lauderdale, FL.
22. **Jin, X.** and H. Asgari (2014). Planning for Incorporating Ancillary Demands in the Next Generation FSUTMS – Practices and Modeling Procedures in Florida. Final Report, University of Florida, Gainesville, FL.
23. **Jin, X.** and W. Wu (2014). Ramp Metering Feasibility Study on I-95 in Broward County CORSIM Model Results and Analysis. Final Report, AECOM, Miami, FL.
24. **Jin, X.** (2007). Toward time-of-day modeling for long-distance trips (No. 32-62926 UMI).
25. **Jin, X.**, Beimborn, E., & Greenwald, M. (2004). Impacts of accessibility, connectivity and mode captivity on transit choice. Final Report, The Great Cities University Transportation Consortium, Milwaukee, WI.

## **INVITED TALKS AND LECTURES**

1. Assessing the Impacts of ACES Mobility on Travel Demand, Florida Model Task Force, Data/GIS Committee Meeting, August 18, 2022.



2. Generational Disparities in Attitudes toward Automated Vehicles and Mobility Options. November 13, 2020. Southeast Florida FSUTMS Users Group Meeting webinar.
3. Assessing the Impacts of Emerging Trends on Travel Demand. September 11, 2020. Southeast Florida FSUTMS Users Group Meeting webinar.
4. The Impacts of COVID-19 in South Florida: Employment & Telecommuting. August 21, 2020. WTS & SFCS Webinar.
5. Impacts of COVID-19: preliminary analysis from a recent survey. June 19, 2020. Southeast Florida FSUTMS Users Group Meeting Webinar.
6. Impacts of Emerging Mobility Options & Vehicle Technologies on Travel Behavior, Florida Model Task Force, Data/GIS Committee Meeting, December 17, 2019.
7. Exploring Public Perceptions and Attitudes toward Emerging Mobility Options. September 20, 2019. Southeast Florida FSUTMS Users Group Meeting, Fort Lauderdale, Florida.
8. AV Adoption and WTP - Role of Attitudes. July 16, 2019. Automated Vehicle Symposium, Orlando, Florida.
9. Understanding Attitudes based on AV/CV Preference Survey. July 30- August 1, 2019. Florida Model Task Force Meeting, Orlando, Florida.
10. Mode Choice Behavior Study in Light of Emerging Mobility Options - Ride-Sourcing and Automated Vehicles (AV). June 15, 2018. Southeast Florida FSUTMS Users Group Meeting, Fort Lauderdale, Florida.
11. Incorporating Transit Service Decisions into Express Lane Programs. October 17-19, 2017. Florida Model Task Force Meeting, Orlando, Florida.
12. Potential Implications of AV Technologies on Travel Behavior. July 7-9, 2017. The 17<sup>th</sup> COTA International Conference of Transportation Professionals, Shanghai, China.
13. Value of Reliability for Road Freight Transportation: Evidence from a Stated Preference Survey in Florida. January 9, 2017. TRB Committee Meeting of AT015 Freight Transportation and Logistics Modeling, Washington, DC.
14. Investigating Value of Time (VOT) and Value of Reliability (VOR) for Managed Lanes. May 5-7, 2015. Florida Model Task Force Meeting, Orlando, Florida.
15. An Investigation of Temporal Transferability Tour Generation Modeling. April 2014. The 5th Innovations in Travel Demand Forecasting Conference, Baltimore, Maryland.
16. Daily Variations in Non-Mandatory Activity Participation: Do Shoulder Days Differ from Mid-week Days? March 2014. The University Transportation Center (UTC) Conference for the Southeastern Region, Atlanta, Georgia.

17. A Two-staged Approach towards Telecommuting Estimation: Frequency and Engagement. May 24-26, 2013. The 26th International Chinese Transportation Professional Association (ICTPA) Annual Conference, Tampa, Florida.
18. Telecommute Behavior and Implications on Modeling. April, 2012. The 4th Transportation Research Board Conference on Innovations in Travel Modeling (ITM), Tampa, Florida.
19. Traffic Management Centers: Challenges, Best Practices, and Future Plans. April 2013, University Transportation Center for the Southeast Region, Orlando, Florida.
20. Planning for Incorporating Ancillary Demands in the Next Generation FSUTMS. April 2013, University Transportation Center for the Southeast Region, Orlando, Florida.
21. Trip Misreporting from Household Travel Survey Data. November 2012, ITE student chapter, Miami, Florida.
22. Reforming Travel Demand Models. November 2011, ICTPA Florida Chapter semi-annual meeting, Miami, Florida.

## **SPONSORED RESEARCH PROJECTS**

### **As Principal Investigator (total \$3,614,950)**

1. Evaluating the Adoption and Impacts of Telecommuting for Incorporation into the Modeling Process. Forecasting and Trends Office, Florida Department of Transportation, \$230,000, 2022-2024.
2. Demand for Travel and Equity Assessment of Emerging Mobility Services for Transportation Disadvantaged Populations. The Southeast Transportation Research, Innovation, Development, and Education Center (STRIDE), \$50,000, 2022-2023.
3. Assessing the Impacts of Autonomous Connected Electric and Shared (ACES) Mobility on Travel Demand. Florida Department of Transportation - District 6, \$200,000, 2021-2023.
4. Assessment of the Mobility Energy Productivity (MEP) Metric for Transportation Applications in Florida. Transit Office, Florida Department of Transportation, \$200,019, 2021-2023.
5. Investigation of E-Commerce Enabled Freight Demand. Forecasting and Trends Office, Florida Department of Transportation, \$251,734, 2020-2022.
6. New York Best Practice Model 2017 Base Year Update. New York Metropolitan Transportation Council (NYMTC), subcontract from Cambridge Systematics, \$13,286, 2020-2022.
7. Mobility-on-Demand Transit for Smart, Sustainable Cities. The Southeast Transportation Research, Innovation, Development, and Education Center (STRIDE), \$55,000, 2020-2022.

8. Evaluating the Propensity toward Telecommuting. Planning and Environmental Management Office, Florida Department of Transportation - District 6, \$50,839, 2020.
9. Evaluation and Enhancement of the Florida Statewide Model. Forecasting and Trends Office, Florida Department of Transportation, \$152,197, 2020-2021.
10. Emerging Mobility Services for the Transportation Disadvantaged. The Southeast Transportation Research, Innovation, Development, and Education Center (STRIDE), \$50,000, 2020-2021.
11. A synthesis on Data Mining Methods and Applications for Automated Fare Collection (AFC) data. Florida Department of Transportation, \$69,952, 2020-2021.
12. Assessing the Health Impacts of Transportation Projects: Synthesis and Framework Development. Florida Department of Transportation, \$99,172, 2020-2020.
13. The Impacts of Emerging Mobility Options and Vehicle Technologies on Travel Behavior. Forecasting and Trends Office, Florida Department of Transportation, \$187,990, 2019-2020.
14. Identifying and Tracking Emerging Transportation Trends. Forecasting and Trends Office, Florida Department of Transportation, \$148,395, 2019-2020.
15. Discovering Potential Market for the Integration of Public Transportation and Emerging Shared-Mobility Services. The Southeast Transportation Research, Innovation, Development, and Education Center (STRIDE), \$49,560, 2019-2020.
16. Incorporating Reliability Measures into the Freight Project Prioritization Decision Support System. Freight and Multimodal Operations Office, Florida Department of Transportation, \$250,000, 2018-2020.
17. Transportation Statistics Analysis -FDOT District 4. CTS Engineering Inc. \$279,928, 2016-2020
18. Large Truck Crash Analysis for Freight Mobility and Safety Enhancement in Florida. Freight and Multimodal Operations Office, Florida Department of Transportation, \$250,000, 2017-2018.
19. Potential Implications of Automated Vehicles on Travel Behavior. Transportation Statistics Office, Florida Department of Transportation, \$100,000, 2016-2018.
20. Methodology for Transit Ridership Forecasting – Incorporating Transit Service Decisions in Managed Lane Programs. Transit Office, Florida Department of Transportation, \$159,720.27, 2016-2018.
21. New York Best Practice Model 2012 Base Year Update. New York Metropolitan Transportation Council (NYMTC), subcontract from Cambridge Systematics, \$16,400, 2017-2020.

22. Examining the Value of Travel Time Reliability for Freight Transportation to Support Freight Planning and Decision-Making. Transportation Statistics Office, Florida Department of Transportation, and the National Center for Transportation System Productivity and Management (NCTSPM), \$230,696, 2014-2016.
23. Transportation Research Internship Program. The Southeast Transportation Research, Innovation, Development, and Education Center (STRIDE), \$4,350, 2015-2015.
24. A synthesis of the “State-of-the-Practice for Advancing Planning and Operations Integration Opportunities within Transportation Agencies”. Systems Planning Office, Florida Department of Transportation, \$40,000, 2014-2014.
25. Investigating Value of Time and Value of Reliability for Managed Lanes. Systems Planning Office, Florida Department of Transportation, \$150,000, 2014-2015.
26. Regional Establishment Survey. New York Metropolitan Transportation Council (NYMTC), subcontract from Cambridge Systematics, \$25,296, 2014-2016.
27. Towards a Holistic Understanding of Quality of Life: An Analysis of Activity-Travel Patterns on Non- Mid-week Day. The Southeast Transportation Research, Innovation, Development, and Education Center (STRIDE), \$37,977, 2012-2014.
28. Planning for Incorporating Ancillary Demands in the Next Generation FSUTMS. Systems Planning Office, Florida Department of Transportation (subcontract from University of Florida), \$50,000, 2013-2014.
29. Traffic Management Centers: Challenges, Best Practices, and Future Plans. The National Center for Transportation System Productivity and Management (NCTSPM), \$65,000, 2012-2014.
30. Traffic Incident Management Program Assessment and Performance Measures. Florida Department of Transportation, District 4, \$69,997.60, 2012-2014.
31. I-95 Ramp Metering Feasibility Study. Florida Department of Transportation, District 4 (subcontract from AECOM), \$53,138.50, 2012-2014.
32. Model Sensitivity and Acceptance Test Plan for the Best Practices Model (BPM) 2010 Base Year Update and Validation. New York Metropolitan Transportation Council (NYMTC), subcontract from Parsons Brinckerhoff, \$10,697, 2012-2014.

**As Co-Principal Investigator and Others**

33. City of Doral Economic Analysis Services. PI: Edward Murray. City of Doral, Florida, \$6,400 (total \$75,915), 2017

34. Strategic Development Plan for the Urban Development Area of DISTRICT 11, Miami-Dade County. PI: Winifred Newman. County Commissioner's Office, \$6,800 (total \$95,453.71), 2013-2014.
35. Consequence Based Route Selection for Hazardous Material Cargo: GIS-Based Time Progression of Environmental Impact Radius of Accidental Spills. PI: Berrin Tansel. The Southeast Transportation Research, Innovation, Development, and Education Center (STRIDE), \$20,000 (total \$50,000), 2012-2014.
36. Reducing Service Interruptions in Linear Infrastructure Systems (Transportation and Water/Sewer) by Synchronizing Schedules for Selected Maintenance Activities. PI: Berrin Tansel. The National Center for Transportation System Productivity and Management (NCTSPM), \$5,000 (total \$25,000), 2012-2014.

## **CONSULTANT PROJECTS**

- Examined GPS data collected from households carrying portable GPS units for 48-hour periods. Conducted data checking and data exploration on the impacts of trip underreporting, and recommended procedures for integration with the conventional travel diary sample, New York Metropolitan Transportation Council (NYMTC), 2011-2012.
- Led a model exploration program and designed the second generation of the modeling system incorporating latest activity-based modeling techniques and algorithms to address various technical and policy issues, NYMTC, 2009-2011.
- Supervised the recalibration and upgrading process of the regional travel demand model and the development of a flowchart-based user interface for the model, NYMTC, 2009-2011.
- Researched the data needs and sample design for the regional household travel survey and various other surveys (such as visitor survey and workplace survey), including the sample plan, survey methodology, questionnaire design, and data collection monitoring procedures, NYMTC, 2009-2011.
- Designed the conceptual framework and developed the white paper for a Transportation Information Gateway (TIG) that integrates GIS, information technology, and various web-based applications in the planning decision making process, NYMTC, 2008-2009.
- Researched latest studies and practices in integrated transportation-land use models in terms of their current capabilities and organized a national workshop in land use modeling for the stakeholders, NYMTC, 2007-2008.

## **AWARDS**

- Faculty Award for Excellence in Research & Creative Activities, Florida International University, 2020.
- Faculty Mentorship Award, College of Engineering and Computing, Florida International University, 2019/2020

- “Value of Reliability for Road Freight Transportation: Evidence from a Stated Preference Survey in Florida” won the TRB 2017 Best Paper Award from the Freight Planning and Logistics Committee (AT015).
- “Incorporating User Heterogeneity in Value of Time (VOT) and Value of Reliability (VOR) for Manage Lanes” nominated as a Best Paper at the 16<sup>th</sup> Transportation Planning Applications Conference, Raleigh, NC, May 2017.

## **OFFICES HELD IN PROFESSIONAL SOCIETIES**

### **Committee Membership in Professional Organizations**

1. Panel Member, National Cooperative Highway Research Program (NCHRP) 08-173 Task Impacts of E-Commerce on Travel and Land Use Patterns, 2022 – present
2. Member, Committee on Travel Survey Methods (AEP25), Transportation Research Board of the National Academies, 2020 – present
3. Committee Research Coordinator, Member, Committee on Travel Behavior and Values (AEP30), Transportation Research Board of the National Academies, 2021 – present
4. Member, Committee on Travel Behavior and Values (AEP30), Transportation Research Board of the National Academies, 2020 – present
5. Member, Committee on Effects of Information and Communication Technologies (ICT) on Travel Choices, ADB20, Transportation Research Board of the National Academies, since 2013-2020
6. Member, Committee on Transportation and Land Development (ADD 30), Transportation Research Board of the National Academies, 2010-2019
7. Co-Chair, Joint subcommittee on Integrated Travel Modeling (ADB40(2)), Transportation Research Board of the National Academies, 2017-2020
8. Panel Member, Freight and Land Use Travel Demand Evaluation Expert Working Group, FHWA, 2017
9. Panel Member, National Cooperative Highway Research Program (NCHRP) 08-36 Task 123 (Survey Sample Size and Weighting), and Task 141 (Evaluation of Walk and Bicycle Demand Modeling Practice) 2015-2020
10. Taskforce Member, Institute of Transportation Engineers (ITE) Taskforce on Transit and Traffic Impact Studies, 2015-2016

### **Membership in Professional Organizations**

1. Member of American Institute of Certified Planners (AICP), since 2008
2. Member of Model Advancement Committee, Florida Model Task Force (MTF)
3. Member of Freight Committee, Florida Model Task Force (MTF)
4. Member of GIS Committee, Florida Model Task Force (MTF)
5. Member of Women Transportation Studies (WTS)

6. Member of Chinese Oversea Transportation Association (COTA)
7. Member of International Association for China Planning (IACP)
8. Member of International Chinese Transportation Professional Association (ICTPA)

## **OTHER PROFESSIONAL ACTIVITIES AND PUBLIC SERVICES**

### **Reviewer of Manuscripts for Journals**

1. ASCE Journal of Urban Planning and Development
2. ASCE Journal of Transportation Engineering
3. International Journal of Sustainable Transportation
4. Transportation Research – Part A
5. Transportation Research – Part C
6. Transportation Research – Part D
7. Transportation Research – Part E
8. Research in Transportation Economics
9. Journal of Annals of GIS
10. Journal of Transport and Land Use
11. Journal of Public Transportation
12. Journal of Advanced Transportation
13. TRB committees on Transportation and Land Development, Effects of Information and Communication Technologies (ICT) on Travel Choices, Travel Demand Forecasting, Travel Behavior Analysis, and Travel Survey Methods

### **Session Chair/Organizer in Major International and National Conferences**

1. Session Chair, the 14<sup>th</sup> World Conference on Transport Research (July 2016, Shanghai, China); Session Title: Land Use and Transport Planning and Policy – Travel Mode
2. Session Chair, the 95<sup>th</sup> Annual Meeting of the Transportation Research Board (January 2016, Washington, DC); Session Title: Information and Communication Technologies and Travel: An International Scan
3. Session Chair, the 94<sup>th</sup> Annual Meeting of the Transportation Research Board (January 2015, Washington, DC); Session Title: Information and Communication Technologies and Activity Travel Choices
4. Conference Organizing Committee, the 2014 Transportation Planning Land Use and Air Quality Conference (March 2014, Charlotte, North Carolina).
5. Session Chair, the 14th TRB Conference on Transportation Planning Applications (May 2013, Columbus, Ohio); Session Title: FromagGEO-Spatial Analysis GIS - GeoSpatial Data in Planning
6. Technical Co-Chair, 26th Annual Conference of the International Chinese Transportation Professional Association (ICTPA), 2013
7. Associate Editor for the 10th International Conference of Chinese Transportation Professionals (ICCTP) August 2010



## UNIVERSITY SERVICES

2020-present	Faculty Council, College of Engineering and Computing, FIU
2019-2021	Sabbatical Committee, FIU
2018-2021	University Curriculum Committee, FIU
2018-present	Faculty Advisor, Women's Transportation Seminar (WTS) FIU Chapter
2011-present	GIS Advisory Committee, FIU
2011-2015	Faculty Advisor, Chi Epsilon Honor Society FIU Chapter
2012-2013	Parking Task Force Committee, FIU
2013	ASCE Annual Conference Plan Reading Competition Rule Writing and Judge
2013-2014	Faculty Senate Environment and Planning Committee, FIU
2013-2014	Library Committee at the College of Engineering

## GRADUATE STUDENT SUPERVISION

### As Major Advisor

	Name	Year	Thesis Title	Degree
1	Hamidreza Asgari	2011-2015	On the Impacts of Telecommuting over Daily Activity/Travel Behavior: A Comprehensive Investigation through Different Telecommuting Patterns'	Ph.D.
2	Md Sakoat Hossan	2011-2016	Impacts of User Heterogeneity and Attitudinal Factors on Roadway Pricing Analysis – Investigation of Value of Time and Value of Reliability for Managed Lane Facilities in South Florida	Ph.D.
3	Kollol Shams	2012-2016	Understanding the Value of Travel Time Reliability for Freight Transportation to Support Freight Planning and Decision-Making	Ph.D.
4	Mohammad Ali Lavasani	2013-2016	Implication of Automated Vehicle Technology on Travel Behavior and System Modeling	Ph.D.
5	Eazaz Sadeghvaziri	2013-2017	Exploring Mobile Phone Data for Better Understanding of Travel Behavior and Mobility Patterns	Ph.D.
6	Armana Huq	2016 - 2020	Identification of Secondary Traffic Crashes and Recommended Countermeasures	Ph.D.
7	Alireza Rahimi	2018 - 2021	User Adoption of Automated Vehicle and Shared Mobility Options.	Ph.D.
8	Ghazaleh Azimi	2018 - 2021	Mode Choice Behavior in the Era of Shared Autonomous Vehicles	Ph.D.
9	Salwa Anam	2019 - 2022	TBD	Ph.D.
10	Rakibul Alam	2019 - 2022		Ph.D.
11	Adib Sarker	2020 - 2023	TBD	Ph.D.
12	Ibukun Titiloye	2020 - 2023	TBD	Ph.D.
13	Nizamul Mojumder	2020 -	TBD	Ph.D.

	<b>Name</b>	<b>Year</b>	<b>Thesis Title</b>	<b>Degree</b>
14	Daniel Frolich	2021 -	TBD	Ph.D.
15	Siyu Zhang	2021 -	TBD	Ph.D.
16	Hamid Rezaei	2022 -	TBD	Ph.D.
17	Bodler Barthelemy	2011-2012	non-thesis option	M.S.
18	Nishat Zaman	2013-2014	Understanding Immigrants' Travel Behavior in Florida: Neighborhood Effects and Behavioral Assimilation	M.S.
19	Zhaohan Zhang	2013-2014	Traffic Management Center: Challenges, Best Practices, and Future Plans (project)	M.S.
20	Fengjiang Hu	2013-2015	Analysis of Activity-Travel Patterns on Non-Mid-weekdays	M.S.
21	Mario Rojas	2016-2016	The Impacts of Telecommuting on the Time-Space Distribution of Daily Activities	M.S.
22	Alain Jimenez	2015-2016	non-thesis option	M.S.
23	Chen Li	2019-2020	non-thesis option	M.S.
24	Keidy Rodriguez	2019-2020	non-thesis option	M.S.

## **STUDENT AWARDS**

1. 2021 Awardee of the Undergraduate to Graduate Program (UtGP) at FIU (four-year tuition waiver and stipend) - Daniel Frolich
2. 2021 Dissertation Year Fellowship, College of Engineering, FIU – Ghazaleh Azimi
3. 2020 Dwight David Eisenhower Transportation Fellowship, the U.S. Department of Transportation (DOT) – Daniel Frolich
4. 2020 Dissertation Year Fellowship, College of Engineering, FIU – Alireza Rahimi
5. 2020 Ajabshir International Research Scholarship Award, FIU – Ghazaleh Azimi
6. 2020 Lifesavers Conference Traffic Safety Scholar (\$1,000) – Armana Huq
7. 2019 Charles E. Perry Graduate Scholarship, FIU – Alireza Rahimi
8. 2019 The Graduate and Professional Student Committee Award, FIU – Alireza Rahimi
9. 2019 Engineering Career and Talent Development Award. Career and Talent Development Department, FIU – Alireza Rahimi
10. 2019 Student Government Association Graduate Scholarship. Florida International University – Alireza Rahimi
11. 2019 Top 3 Finalist, Annual GCCITE Book Scholarship, Essay Topic: An Integrated Digital Transformation in Mobility to Reduce Traffic Congestion – Armana Huq
12. 2019 1st place Student Poster Competition, Florida Puerto Rico Institute of Transportation Engineering Annual Meeting – Armana Huq
13. 2019-2020 Dissertation Year Fellowship, College of Engineering, FIU – Armana Huq

14. 2019 International Award as the Most Valuable Academic of Leader (AOL), FIU – Armana Huq
15. 2019 Finalist Outstanding Student Life Awards, Scholar Award, FIU – Armana Huq
16. 2019 Best Presentation Award, the Global Village Conference, ISSS and International Student Club at FIU – Armana Huq
17. 2019 Graduate Finalist (4th Place), WELocal Tampa Collegiate Competition, Society of Women Engineers' WE Local Program – Armana Huq
18. 2019 Best Presentation Award, Student Leadership Summit, Florida ITE – Ghazaleh Azimi
19. 2019 Winner, Annual TRB Student Competition (TSMO focused e-portfolio contest), National Operations Center of Excellence, Washington, DC – Alireza Rahimi
20. 2019 Lifesavers Conference Traffic Safety Scholar (\$1,000) – Armana Huq
21. 2018 Women's Achievement Award in Academic of Leaders-Graduate Student Track Course, FIU, Fall 2018 – Armana Huq
22. 2018 1<sup>st</sup> Place Winner of the 6th Annual UTC Conference for the Southeastern Region, SC, October 2018 – Armana Huq
23. 2018 3rd Place Winner of Graduate Student Appreciation Week, Scholarly Forum at FIU, Mar 19-23 – Armana Huq
24. 2017 1st Place Winner of Smart City Campaign, hosted by the United Nations Development Program in Bangladesh, Nov 29-Dec 5, participated as one of the team members of ARI – Armana Huq
25. 2016 Chi Epsilon National Scholarship, Chi Epsilon – Mario Rojas
26. 2016-2017 Dissertation Year Fellowship, College of Engineering, FIU – Eazaz Sadeghvaziri
27. 2016 Jose A. Vila-Espinosa Scholarship, Cuban-American Association of Civil Engineers – Mario Rojas
28. 2016 Dwight David Eisenhower Transportation Fellowship, the U.S. Department of Transportation (DOT) – Mario Rojas
29. 2015-2016 Transportation Research Board Minority Student Fellowship, TRB – Mario Rojas
30. 2015-2016 Dissertation Year Fellowship, College of Engineering, FIU – Md Sakoat Hossan
31. 2015-2016 University Wide Scholarship, FIU - Mohammad Ali Lavasani
32. 2016 Student Government Association Graduate Scholarship, FIU - Mohammad Ali Lavasani
33. 2015 Student Government Association STEM Scholarship, FIU – Mario Rojas
34. 2015 Outstanding Graduate Award in Civil Engineering, FIU – Mario Rojas
35. 2014-2015 Dissertation Year Fellowship, College of Engineering, FIU - Hamidreza Asgari
36. 2014-2015 National Action Council for Minorities in Engineering (NACME) Scholarship - Mario Rojas

37. 2015 Student Government Association STEM Scholarship, FIU – Mario Rojas
38. 2014 CSA Scholarship, College of Engineering and Computing, FIU – Mario Rojas
39. 2013 Henry P. Boggs Best Student Paper Award, The District 10 Institute of Transportation Engineer (ITE) - Hamidreza Asgari