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Assistant Professor

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EDUCATION

Ph.D. in Transportation Systems Engineering, University of Minnesota Dissertation: Network Econometrics and Traffic Flow Analysis Supervisor: Professor David Levinson	2016
Master of Urban and Regional Planning, University of Minnesota Thesis: Analyses of Bicycle and Pedestrian Trail Traffic Supervisor: Professor Greg Lindsey	2016
M.Sc. in Road and Transportation, Amirkabir University of Technology Thesis: A Mode Choice Model for School Trips in Tehran	2013
B.Sc. in Mechanical Engineering, K.N. Toosi University of Technology Thesis: Influence of Basalt Fibers on Concrete Strength	2010

PROFESSIONAL POSITIONS

Assistant Professor, Department of Geography and Geoinformation Science, George Mason University, Fairfax, VA	2022-present
Affiliate Assistant Professor, Department of Civil, Environmental, and Infrastructure Engineering, George Mason University, Fairfax, VA	2023-present
Director, Mobility Observatory and Data Analytics Lab (MODAL), George Mason University, Fairfax, VA	2018-present
Assistant Professor, Richard A. Rula School of Civil and Environmental Engineering, Mississippi State University, Mississippi State, MS	2018-2022
Co-Director, Mississippi Transportation Research Center, Mississippi State University, Mississippi State, MS	2021-2022
Board of Governors, Transportation & Development Institute (T&DI), American Society of Civil Engineers (ASCE), USA	2021-2022
Postdoctoral Fellow, Department of Civil and Environmental Engineering, Northwestern University, Evanston, IL	2016-2018
Graduate Research Assistant, Department of Civil, Environmental, and Ge-engineering, University of Minnesota, Minneapolis, MN	2014-2016

PUBLICATIONS AND PRESENTATIONS

Summary of Scholarly Contributions and Achievements

- Published 77 peer-reviewed articles in 38 journals with an average impact factor of 6.4: 42 as first author, 54 as corresponding author, 18 with Ph.D. students, 2 with undergraduate students, and 1 with a high school student.
- Edited a book, published 7 book chapters, and wrote a book review.
- Delivered 120 peer-reviewed presentations at national and international conferences.
- Accumulated 3,293 citations with an h-index of 33 and an i10-index of 55.

List of Journals	Impact Factor	No.
Science	47.7	1
Renewable and Sustainable Energy Reviews	16.3	1
Tourism Management	10.9	1
Sustainable Cities and Society	10.5	1
Transport Reviews	9.8	2
Communications Earth & Environment	7.9	1
Landscape and Urban Planning	7.9	1
Transportation Research Part C: Emerging Technologies	7.6	2
Transportation Research Part D: Transport and Environment	7.3	7
Energy Research & Social Science	6.9	1
Computers & Industrial Engineering	6.7	1
Transportation Research Part A: Policy and Practice	6.3	2
Transport Policy	6.3	2
Cities	6.0	1
Travel Behaviour and Society	5.1	4
Journal of Transport Geography	5.7	6
IEEE Open Journal of Intelligent Transportation Systems	4.6	1
International Journal of Transportation Science and Technology	4.3	1
Urban Studies	4.2	1
Applied Geography	4.0	1
Journal of Air Transport Management	3.9	1
Scientific Reports	3.8	1
Transportmetrica A: Transport Science	3.6	2
Transportation	3.5	3
Transportation Research Part F: Traffic Psychology and Behaviour	3.5	3
Geographical Analysis	3.3	2
Journal of Transport & Health	3.2	2
International Journal of Sustainable Transportation	3.1	1
PloS one	2.9	4
Environment and Planning B: Urban Analytics and City Science	2.6	3
Environmental Research: Infrastructure and Sustainability	2.7	1
Progress in Disaster Science	2.6	1
Case Studies on Transport Policy	2.4	1
Journal of Transportation Engineering, Part A: Systems	1.8	1
Journal of Urban Planning and Development	1.7	2
Transportation Research Record	1.6	9
Transportation Planning and Technology	1.3	1
Findings	-	1

Peer Reviewed Publications: 77 Articles (Students Indicated by Underline)

1. **Ermagun, A., & Janatabadi, F.** (2024). Compound risk of wildfire and inaccessible shelters is disproportionately impacting disadvantaged communities. *Progress in Disaster Science*, 23, 100358.
2. **Ermagun, A., & Tian, J.** (2024). Charging into inequality: A national study of social, economic, and environment correlates of electric vehicle charging stations. *Energy Research & Social Science*, 115, 103622.
3. Varghese, A. M., Menon, N., & **Ermagun, A.** (2024). Equitable distribution of electric vehicle charging infrastructure: A systematic review. *Renewable and Sustainable Energy Reviews*, 206, 114825.
4. **Ermagun, A., & Koury, E.** (2024). Disproportionate impact of weekday-to-weekend transit service cuts on access for disadvantaged populations. *Transportation Research Part D: Transport and Environment*, 130, 104169.
5. **Ermagun, A., & Witlox, F.** (2024). Transit access effectiveness in American metropolitan areas. *Journal of Transport Geography*, 116, 103853.
6. **Ermagun, A., Smith, V., & Janatabadi, F.** (2024). High urban flood risk and no shelter access disproportionately impacts vulnerable communities in the USA. *Communications Earth & Environment*, 5(1), 2.
7. **Janatabadi, F. & Ermagun, A.** (2024). Four-step framework for untangling place and mobility components of access: An equal opportunity perspective. *Journal of Transport Geography*, 116, 103831.
8. **Janatabadi, F. & Ermagun, A.** (2024). Access weight matrix: A place and mobility infused spatial weight matrix. *Geographical Analysis*.
9. **Janatabadi, F., Newing, A., & Ermagun, A.** (2024). Social and spatial inequalities of contemporary food deserts: A compound of store and online access to food in the United Kingdom. *Applied Geography*, 163, 103184.
10. **Maharjan, S., Janatabadi, F., & Ermagun, A.** (2024). Spatial inequity of transit and automobile access gap across America for underserved population. *Transportation Research Record*, 2678(1), 674-690.
11. **Ermagun, A., Tajik, N., Janatabadi, F., & Mahmassani, H.** (2023). Uncertainty in vulnerability of metro transit networks: A global perspective. *Journal of Transport Geography*, 113, 103710.
12. **Ermagun, A., Erinne, J., & De Vos, J.** (2023). Daily activity duration tolerance: a sensitivity analysis of emotional well-being to activity duration. *Transportation*, 1-25.
13. **Ermagun, A., Erinne, J., & Maharjan, S.** (2023). Equity of bike infrastructure access in the United States: a risky commute for socially vulnerable populations. *Environmental Research: Infrastructure and Sustainability*, 3(3), 035001.
14. Koloushani, M., Ghorbanzadeh, M., Ozguven, E. E., & **Ermagun, A.** (2023). A conceptualization of the spatial relationship associated with school-related crashes: A case study in Northwest Florida. *Transportation Planning and Technology*, 46(6), 795-817.
15. De Vos, J., **Ermagun, A.**, & Shaw, F. A. (2023). Wait time, travel time and waiting during travel: existing research and future directions. *Transport Reviews*, 1-6.

16. **Ermagun, A., Janatabadi, F., & Maharjan, S.** (2023). Inequity analysis of spatial mismatch for low-income socially vulnerable populations across America. *Transportation Research Part D: Transport and Environment*, 118, 103692.
17. **Ermagun, A., Tajik, N., & Mahmassani, H.** (2023). Uncertainty in vulnerability of networks under attack. *Scientific Reports*, 13(1), 3179.
18. **Janatabadi, F., & Ermagun, A.** (2023). Unraveling transit service and land use components of the socio-spatial inequality of access. *Environment and Planning B: Urban Analytics and City Science*, 23998083231207534.
19. **Janatabadi, F., Maharjan, S., & Ermagun, A.** (2023). A spatiotemporal disparity of transit and automobile access gap and its impact on transit use. *Environment and Planning B: Urban Analytics and City Science*, 50(7), 1858-1878.
20. **Ermagun, A., & Tajik, N.** (2023). Multiple-drones-multiple-trucks routing problem for disruption assessment. *Transportation Research Record*, 2677(2), 725-740.
21. **Ermagun, A., & Erinne, J.** (2022). A systematic exclusion induced by institutional ranking in engineering faculty hiring: Introducing a cycle of winners and losers. *Plos One*, 17(12), e0275861.
22. **Ermagun, A., Erinne, J., & Fan, Y.** (2022). Travel duration tolerance: Examining the sensitivity of emotional well-being to trip duration. *Transportation Research Part D: Transport and Environment*, 102, 103137.
23. **Nagurney, A., & Ermagun, A.** (2022). Resilience of supply chain networks to labor disruptions. *Findings*, 36315.
24. **Maharjan, S., Tilahun, N., & Ermagun, A.** (2022). Spatial equity of modal access gap to multiple destination types across Chicago. *Journal of Transport Geography*, 104, 103437.
25. **Erinne, J., Ermagun, A., & Fan, Y.** (2022). Just because I'm a woman: Gender happiness gap in human mobility. *Travel Behaviour and Society*, 29, 224-235.
26. **Janatabadi, F., & Ermagun, A.** (2022). "Slim down" with a ticket to ride: A systematic literature review. *Journal of Transport & Health*, 24, 101327.
27. **Janatabadi, F., & Ermagun, A.** (2022). Empirical evidence of bias in public acceptance of autonomous vehicles. *Transportation Research Part F: Traffic Psychology and Behaviour*, 84, 330-347.
28. **Ermagun, A., Kelarestaghi, K. B., & Heaslip, K.** (2022). The impact of potentially realistic fabricated road sign messages on route change. *IEEE Open Journal of Intelligent Transportation Systems*, 3, 137-145.
29. **Ermagun, A.** (2021). Transit access and urban space-time structure of American cities. *Journal of Transport Geography*, 93, 103066.
30. **Ermagun, A., & Tajik, N.** (2021). Recovery patterns and physics of the network. *Plos One*, 16(1), e0245396.
31. **Ermagun, A., Kelarestaghi, K. B., & Heaslip, K.** (2021). Drivers' self-reported responses to a potentially realistic fabricated road sign message. *Transportation Research Part F: Traffic Psychology and Behaviour*, 78, 103-118.

32. Morshedlou, N., Barker, K., González, A. D., & **Ermagun, A.** (2021). A heuristic approach to an interdependent restoration planning and crew routing problem. *Computers & Industrial Engineering*, 161, 107626.
33. **Ermagun, A.**, Kelarestaghi, K. B., Finney, M., & Heaslip, K. (2021). "Speed up to hit the worker": Impact of hacked road signs on work zone safety. *International Journal of Transportation Science and Technology*.
34. Sohrabi, S., & **Ermagun, A.** (2021). Dynamic bike sharing traffic prediction using spatiotemporal pattern detection. *Transportation Research Part D: Transport and Environment*, 90, 102647.
35. **Ermagun, A.**, & Tilahun, N. (2020). Equity of transit accessibility across Chicago. *Transportation Research Part D: Transport and Environment*, 86, 102461.
36. **Ermagun, A.**, Punel, A., & Stathopoulos, A. (2020). Shipment status prediction in online crowd-sourced shipping platforms. *Sustainable Cities and Society*, 53, 101950.
37. Kelarestaghi, K. B., **Ermagun, A.**, Heaslip, K., & Rose, J. (2020). Choice of speed under compromised dynamic message signs. *Plos One*, 15(12): e0243567.
38. Mehdizadeh, M., & **Ermagun, A.** (2020). "I'll never stop driving my child to school": On multimodal and monomodal car users. *Transportation*, 47(3), 1071-1102.
39. Vahedifard, F., **Ermagun, A.**, Mortezaei, K., & AghaKouchak, A. (2019). Integrated data could augment resilience. *Science*, 363(6423), 134-134.
40. **Ermagun, A.**, Shamshiripour, A., & Stathopoulos, A. (2019). Performance analysis of crowd-shipping in urban and suburban areas. *Transportation*, 1-31.
41. Punel, A., Hassan, L. A. H., & **Ermagun, A.** (2019). Variations in airline passenger expectation of service quality across the globe. *Tourism Management*, 75, 491-508.
42. **Ermagun, A.**, & Levinson, D. (2019). Spatiotemporal short-term traffic forecasting using the network weight matrix and systematic detrending. *Transportation Research Part C: Emerging Technologies*, 104, 38-52.
43. Carlson, K., **Ermagun, A.**, Murphy, B., Owen, A., & Levinson, D. (2019). Safety in numbers for bicyclists at urban intersections. *Transportation Research Record*, 2673(6), 677-684.
44. Kelarestaghi, K. B., **Ermagun, A.**, & Heaslip, K. (2019). Cycling usage and frequency determinants in college campuses. *Cities*, 90, 216-228.
45. Biehl, A., **Ermagun, A.**, & Stathopoulos, A. (2019). Utilizing multi-stage behavior change theory to model the process of bike share adoption. *Transport Policy*, 77, 30-45.
46. Punel, A., **Ermagun, A.**, & Stathopoulos, A. (2019). Push and pull factors in adopting a crowdsourced delivery system. *Transportation Research Record*, 2673(7), 529-540.
47. **Ermagun, A.**, & Levinson, D. (2019). Development and application of the network weight matrix to predict traffic flow for congested and uncongested conditions. *Environment and Planning B: Urban Analytics and City Science*, 46(9), 1684-1705.
48. **Ermagun, A.**, Lindsey, G., & Loh, T. H. (2018). Bicycle, pedestrian, and mixed-mode trail traffic: A performance assessment of demand models. *Landscape and Urban Planning*, 177, 92-102.
49. **Ermagun, A.**, & Stathopoulos, A. (2018). To bid or not to bid: An empirical study of the supply determinants of crowd-shipping. *Transportation Research Part A: Policy and Practice*, 116, 468-483.

50. **Ermagun, A.**, Lindsey, G., & Loh, T. H. (2018). Urban trails and demand response to weather variations. *Transportation Research Part D: Transport and Environment*, 63, 404-420.
51. Biehl, A., **Ermagun, A.**, & Stathopoulos, A. (2018). Modelling determinants of walking and cycling adoption: A stage-of-change perspective. *Transportation Research Part F: Traffic Psychology and Behaviour*, 58, 452-470.
52. Punel, A., **Ermagun, A.**, & Stathopoulos, A. (2018). Studying determinants of crowd-shipping use. *Travel Behaviour and Society*, 12, 30-40.
53. Punel, A., & **Ermagun, A.** (2018). Using Twitter network to detect market segments in the airline industry. *Journal of Air Transport Management*, 73, 67-76.
54. **Ermagun, A.**, & Levinson, D. (2018). Spatiotemporal traffic forecasting: review and proposed directions. *Transport Reviews*, 38(6), 786-814.
55. Abasahl, F., Kelarestaghi, K. B., & **Ermagun, A.** (2018). Gender gap generators for bicycle mode choice in Baltimore college campuses. *Travel Behaviour and Society*, 11, 78-85.
56. Biehl, A., **Ermagun, A.**, & Stathopoulos, A. (2018). Community mobility MAUP-ing: A socio-spatial investigation of bikeshare demand in Chicago. *Journal of Transport Geography*, 66, 80-90.
57. Sohrabi, S., & **Ermagun, A.** (2018). Optimum capacity of freeways: A stochastic approach. *Journal of Transportation Engineering, Part A: Systems*, 144(7), 04018032.
58. **Ermagun, A.**, & Samimi, A. (2018). Potential cost savings of promoting active travel to school. *Case Studies on Transport Policy*, 6(1), 167-177.
59. **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.
60. **Ermagun, A.**, & Levinson, D. (2018). An introduction to the network weight matrix. *Geographical Analysis*, 50(1), 76-96.
61. **Ermagun, A.**, Chatterjee, S., & Levinson, D. (2017). Using temporal detrending to observe the spatial correlation of traffic. *Plos one*, 12(5), e0176853.
62. **Ermagun, A.**, & Samimi, A. (2018). Mode choice and travel distance joint models in school trips. *Transportation*, 45(6), 1755-1781.
63. **Ermagun, A.**, & Levinson, D. (2017). Public transit, active travel, and the journey to school: a cross-nested logit analysis. *Transportmetrica A: Transport Science*, 13(1), 24-37.
64. **Ermagun, A.**, & Levinson, D. (2017). "Transit makes you short": On health impact assessment of transportation and the built environment. *Journal of Transport & Health*, 4, 373-387.
65. Sun, B., **Ermagun, A.**, & Dan, B. (2017). Built environmental impacts on commuting mode choice and distance: Evidence from Shanghai. *Transportation Research Part D: Transport and Environment*, 52, 441-453.
66. Cao, J., & **Ermagun, A.** (2017). Influences of LRT on travel behaviour: A retrospective study on movers in Minneapolis. *Urban Studies*, 54(11), 2504-2520.
67. 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. *International Journal of Sustainable Transportation*, 11(4), 308-317.

68. **Ermagun, A.**, & Levinson, D. (2016). Intra-household bargaining for school trip accompaniment of children: A group decision approach. *Transportation Research Part A: Policy and Practice*, 94, 222-234.
69. **Ermagun, A.**, Hajivosough, S., Samimi, A., & Rashidi, T. H. (2016). A joint model for trip purpose and escorting patterns of the disabled. *Travel Behaviour and Society*, 3, 51-58.
70. **Ermagun, A.**, & Lindsey, G. (2016). Differences in spending by local trail users: Two-part model of expenditures. *Transportation Research Record*, 2598(1), 58-66.
71. **Ermagun, A.**, Samimi, A., & Rashidi, T. H. (2016). How far is too far? Providing safe and comfortable walking environments. *Transportation Research Record*, 2586(1), 72-82.
72. Kamali, M., **Ermagun, A.**, Viswanathan, K., & Pinjari, A. R. (2016). Deriving truck route choice from large GPS data streams. *Transportation Research Record*, 2563(1), 62-70.
73. **Ermagun, A.**, & Samimi, A. (2015). Promoting active transportation modes in school trips. *Transport Policy*, 37, 203-211.
74. **Ermagun, A.**, Hossein Rashidi, T., & Samimi, A. (2015). A joint model for mode choice and escort decisions of school trips. *Transportmetrica A: Transport Science*, 11(3), 270-289.
75. **Ermagun, A.**, & Samimi, A. (2016). How are children accompanied to school? *Journal of Urban Planning and Development*, 142(3), 04016002.
76. **Ermagun, A.**, Rashidi, T. H., & Lari, Z. A. (2015). Mode choice for school trips: long-term planning and impact of modal specification on policy assessments. *Transportation Research Record*, 2513(1), 97-105.
77. Samimi, A., & **Ermagun, A.** (2013). Students' tendency to walk to school: case study of Tehran. *Journal of Urban Planning and Development*, 139(2), 144-152.

Peer Reviewed Presentations: 120 Articles (Students Indicated by Underline)

1. **Ermagun, A.**, & Koury, E. Disproportionate impact of weekday-to-weekend transit service cuts on access for disadvantaged populations. 2nd Conference on Advancing Transportation Equity, Baltimore, MD, July 2024.
2. **Ermagun, A.**, & Tian, J. Charging into inequality: A national study of social, economic, and environment correlates of electric vehicle charging stations. 2nd Conference on Advancing Transportation Equity, Baltimore, MD, July 2024.
3. Janatabadi, F., **Ermagun, A.** Bridging the gap with highway cap: Reshaping urban landscapes without gentrification. 2nd Conference on Advancing Transportation Equity, Baltimore, MD, July 2024.
4. Janatabadi, F., **Ermagun, A.** Unraveling transit infrastructure and land use components of the socio-spatial inequality of access. 2nd Conference on Advancing Transportation Equity, Baltimore, MD, July 2024.
5. **Ermagun, A.**, Smith, V., & Janatabadi, F. High urban flood risk and no shelter access disproportionately impacts vulnerable communities in the USA. STAR-TIDES Capabilities Demonstration 17th Annual Meeting, Arlington, VA, April 2024.

6. Janatabadi, F., & **Ermagun, A.** Untangling place and mobility components of access: An equal opportunity perspective. 103rd Annual Meeting of the Transportation Research Board, Washington, D.C., January 2024.
7. **Ermagun, A.** Examining accessibility to employment centralization provoked by public transit. 103rd Annual Meeting of the Transportation Research Board, Washington, D.C., January 2024.
8. **Ermagun, A.**, & Witlox, F. Transit in America: Taking a closer look at transit access effectiveness in metropolitan areas. 103rd Annual Meeting of the Transportation Research Board, Washington, D.C., January 2024.
9. Batson, K., & **Ermagun, A.** Unveiling the divide: Exploring spatiotemporal disparities of ridesharing wait times of college campuses in urban and rural regions. 103rd Annual Meeting of the Transportation Research Board, Washington, D.C., January 2024.
10. Janatabadi, F., Pease, K., & **Ermagun, A.** Spatial disparities of transport and environmental effects on affordable housing. 103rd Annual Meeting of the Transportation Research Board, Washington, D.C., January 2024.
11. **Ermagun, A.**, & Tian, J. Charging into inequality: A national study of social, economic, and environment correlates of electric vehicle charging stations. 103rd Annual Meeting of the Transportation Research Board, Washington, D.C., January 2024.
12. Janatabadi, F., & **Ermagun, A.** An introduction to the access weight matrix: A departure from traditional spatial weight matrices. 103rd Annual Meeting of the Transportation Research Board, Washington, D.C., January 2024.
13. Janatabadi, F., Griiddaluri, P., & **Ermagun, A.** Are we advancing equity in electric vehicle charging station distribution? Analyzing national and state trends pre- and post-justice40 initiative. 103rd Annual Meeting of the Transportation Research Board, Washington, D.C., January 2024.
14. Yuan, M., & **Ermagun, A.** A systematic review of safe routes to school program: A 10 principal policy effectiveness framework for future investments. 103rd Annual Meeting of the Transportation Research Board, Washington, D.C., January 2024.
15. Hook, H., **Ermagun, A.**, & Witlox, F. Travel behavior and subjective well-being determinants of environmental satisfaction. 103rd Annual Meeting of the Transportation Research Board, Washington, D.C., January 2024.
16. Janatabadi, F., Tajik, N., & **Ermagun, A.** Navigating urban access: Examining the 15-minute city concept in Chicago. 103rd Annual Meeting of the Transportation Research Board, Washington, D.C., January 2024.
17. **Ermagun, A.**, Erinne, L., & De Vos, J. Happy hour(s): A sensitivity analysis of emotional well-being to activity duration. 103rd Annual Meeting of the Transportation Research Board, Washington, D.C., January 2024.
18. **Ermagun, A.**, Tajik, N., Erinne, L., & Song, Y. Happiness in motion: The interplay among daily trips, activities, and happiness. 103rd Annual Meeting of the Transportation Research Board, Washington, D.C., January 2024.
19. Okorochoa, J., Kelley, S., Park, S., & **Ermagun, A.** Spatial equity of electric vehicle charging stations in Nevada: Are we encouraged? 103rd Annual Meeting of the Transportation Research Board, Washington, D.C., January 2024.

20. Taoudi, L., Tajik, N., & **Ermagun, A.** Crash landing: Flight price elasticity induced by the COVID-19 pandemic across America. 103rd Annual Meeting of the Transportation Research Board, Washington, D.C., January 2024.
21. **Ermagun, A.**, Janatabadi, F. Inequity analysis of spatial mismatch for low-income socially vulnerable populations across America. 2023 American Association of Geographers (AAG) Annual Meeting. Denver, CO, March 2023.
22. **Ermagun, A.** Transit access and urban space-time structure of American cities. 2023 American Association of Geographers (AAG) Annual Meeting. Denver, CO, March 2023.
23. Tajik, N., & **Ermagun, A.** A multiple-drones-multiple-trucks routing problem for disruption assessment. American Association of Civil Engineers INSPIRE Annual Meeting, Arlington, VA, November 2023.
24. **Ermagun, A.**, Tajik, N., Janatabadi, F., Mahmassani, H. Uncertainty in vulnerability of transportation networks with variable demand. American Association of Civil Engineers INSPIRE Annual Meeting, Arlington, VA, November 2023.
25. **Ermagun, A.**, Janatabadi, F., & Maharjan, S. Does public transit exacerbate spatial mismatch? An inequity analysis of spatial mismatch for low-income socially vulnerable populations across America. 102nd Annual Meeting of the Transportation Research Board, Washington, D.C., January 2023.
26. **Ermagun, A.**, Erinne, J., & Fan, Y. Gender happiness gap in human mobility: Examining correlates of trip-induced happiness. 102nd Annual Meeting of the Transportation Research Board, Washington, D.C., January 2023.
27. **Ermagun, A.**, Janatabadi, F., & Maharjan, S. An inequity analysis of spatial and modal access gap across America. 102nd Annual Meeting of the Transportation Research Board, Washington, D.C., January 2023.
28. **Ermagun, A.**, Tajik, N., Janatabadi, F., & Mahmassani, H. Uncertainty in vulnerability of metro transit networks: A global perspective. 102nd Annual Meeting of the Transportation Research Board, Washington, D.C., January 2023.
29. Varghese, A. M., Menon, N., & **Ermagun, A.** Equity of access to electric vehicles charging infrastructure in America: A systematic review of demand-supply dilemma. 102nd Annual Meeting of the Transportation Research Board, Washington, D.C., January 2023.
30. Koloushani, M., Ghorbanzadeh, M., Ozguven, E. E., & **Ermagun, A.** A conceptualization of the spatial relationship associated with school-related crashes: a case study in Northwest Florida. 102nd Annual Meeting of the Transportation Research Board, Washington, D.C., January 2023.
31. Janatabadi, F., & **Ermagun, A.** Mitigating the misconceptions: A systematic literature review of the impact of public transit use on weight loss. 102nd Annual Meeting of the Transportation Research Board, Washington, D.C., January 2023.
32. Janatabadi, F., & **Ermagun, A.** Measuring the contribution of transit service inequality to inequity of access in disadvantaged communities: A four-step framework. 102nd Annual Meeting of the Transportation Research Board, Washington, D.C., January 2023.

33. Batson, K., & **Ermagun, A.** A tale of two continents: A review of perceived concerns, benefits and inequities of advanced transport technologies across America and Europe. 102nd Annual Meeting of the Transportation Research Board, Washington, D.C., January 2023.
34. Janatabadi, F., & **Ermagun, A.** Inequity of access to employment for socially vulnerable population across America. Summer Science & Engineering Symposium, Mississippi State, MS, June 2022.
35. Maharjan, S., & **Ermagun, A.** Social and spatial inequity of access between transit and auto travel modes across America. Summer Science & Engineering Symposium, Mississippi State, MS, June 2022.
36. Batson, K., & **Ermagun, A.** A tale of two continents: Analyzing the characteristics of emerging technology adopters. Summer Science & Engineering Symposium, Mississippi State, MS, June 2022.
37. **Ermagun, A.**, & Tajik, N. Multiple-drones-multiple-trucks routing problem for disruption assessment. 101st Annual Meeting of the Transportation Research Board, Washington, D.C., January 2022.
38. **Ermagun, A.**, Erinne, J., & Fan, Y. Commute duration tolerance: Examining the sensitivity of emotional well-being to trip duration. 101st Annual Meeting of the Transportation Research Board, Washington, D.C., January 2022.
39. Janatabadi, F., & **Ermagun, A.** Empirical evidence of bias in public acceptance of autonomous vehicles. 101st Annual Meeting of the Transportation Research Board, Washington, D.C., January 2022.
40. **Ermagun, A.**, Erinne, J., & Fan, Y. Impact of activity and personal characteristics on well-being of human activities. 101st Annual Meeting of the Transportation Research Board, Washington, D.C., January 2022.
41. **Ermagun, A.**, Maharjan, S., & Tilahun, N. Modal access gap across Chicago. 101st Annual Meeting of the Transportation Research Board, Washington, D.C., January 2020.
42. **Ermagun, A.**, & Tajik, N. Recovery patterns and physics of the network. 101st Annual Meeting of the Transportation Research Board, Washington, D.C., January 2022.
43. **Ermagun, A.** Transit access effectiveness in American metropolitans. 101st Annual Meeting of the Transportation Research Board, Washington, D.C., January 2022.
44. Janatabadi, F., & **Ermagun, A.** Transit access performance across Chicago: An empirical study. 101st Annual Meeting of the Transportation Research Board, Washington, D.C., January 2022.
45. **Ermagun, A.** & Tilahun, N. Equity of transit accessibility across Chicago. 99th Annual Meeting of the Transportation Research Board, Washington, D.C., January 2020.
46. **Ermagun, A.** & Jamalzadeh, S. Forty years of women's issues in transportation: A systematic literature review. 99th Annual Meeting of the Transportation Research Board, Washington, D.C., January 2020.
47. **Ermagun, A.**, Baksh Kelarestaghi, K., & Heaslip, K. "Shunt traffic": Impact of compromised dynamic message signs on route divergence. 99th Annual Meeting of the Transportation Research Board, Washington, D.C., January 2020.

48. **Ermagun, A.**, Baksh Kelarestaghi, K., Finney, M., & Heaslip, K. "Speed up to hit the worker": Impact of hacked road signs on work zone safety. 99th Annual Meeting of the Transportation Research Board, Washington, D.C., January 2020.
49. **Ermagun, A.**, Baksh Kelarestaghi, K., & Heaslip, K. Travel behavior under terrorist attack bluff. 99th Annual Meeting of the Transportation Research Board, Washington, D.C., January 2020.
50. Baksh Kelarestaghi, K., **Ermagun, A.**, Heaslip, K., & Rose, J. Choice of speed under compromised dynamic message signs. 99th Annual Meeting of the Transportation Research Board, Washington, D.C., January 2020.
51. Baksh Kelarestaghi, K., **Ermagun, A.**, & Heaslip, K. Compromised dynamic message signs and driver distraction. 99th Annual Meeting of the Transportation Research Board, Washington, D.C., January 2020.
52. **Ermagun, A.** & Finney, M. A monster on our campus: assessing parking choice and commuting behavior. 59th Annual Meeting of the Association of Collegiate Schools of Planning (ACSP), Greenville, South Carolina, October 2019.
53. **Ermagun, A.**, Baksh Kelarestaghi, K., & Heaslip, K. Does forged DMS information undermine common planning practices? 59th Annual Meeting of the Association of Collegiate Schools of Planning (ACSP), Greenville, South Carolina, October 2019.
54. Carlson, K., **Ermagun, A.**, Murphy, B., Owen, A., & Levinson, D. Safety in numbers for bicyclists at urban intersections. 98th Annual Meeting of the Transportation Research Board, Washington, D.C., January 2019.
55. Punel, A., Hassan, L. A. H., & **Ermagun, A.** Variations in airline passenger expectation of service quality across the globe. 98th Annual Meeting of the Transportation Research Board, Washington, D.C., January 2019.
56. **Ermagun, A.** & Stathopoulos, A. Analyzing the crowd-shipping delivery performance from bidding to delivering. 98th Annual Meeting of the Transportation Research Board, Washington, D.C., January 2019.
57. **Ermagun, A.** & Levinson, D. Using network structure to assess traffic flow variation and network reliability. 98th Annual Meeting of the Transportation Research Board, Washington, D.C., January 2019.
58. Borowski, E., **Ermagun, A.**, & Levinson, D. Disparity of access: Variations in transit service by race, ethnicity, income, and auto availability. 98th Annual Meeting of the Transportation Research Board, Washington, D.C., January 2019.
59. Arian, A., **Ermagun, A.**, & Chiu, Y. Smart and connected community detection using travelers point of interest. 98th Annual Meeting of the Transportation Research Board, Washington, D.C., January 2019.
60. Soria, J., **Ermagun, A.**, Arian, A., & Chiu, Y. Examining the effectiveness of app-based incentive systems for peak spreading. 98th Annual Meeting of the Transportation Research Board, Washington, D.C., January 2019.
61. Finney, M., **Ermagun, A.** Performance analysis of public transit in and out of campus. undergraduate research symposium. Summer Science & Engineering Symposium, Mississippi State, MS, June 2019.

62. **Ermagun, A.** & Levinson, D. Spatio-temporal short-term traffic forecasting using the network weight matrix and systematic detrending. 97th Annual Meeting of the Transportation Research Board, Washington, D.C., January 2018.
63. **Ermagun, A.** & Levinson, D. Development and application of the network weight matrix to predict traffic flow for congested and uncongested conditions. 97th Annual Meeting of the Transportation Research Board, Washington, D.C., January 2018.
64. **Ermagun, A.**, Lindsey, G., & Loh, T. Bicycle, Pedestrian, and mixed-mode trail traffic: A performance assessment of demand models. 97th Annual Meeting of the Transportation Research Board, Washington, D.C., January 2018.
65. **Ermagun, A.**, Shamshiripour, A., & Stathopoulos, A. Performance analysis of crowd-shipping in urban and suburban areas. 97th Annual Meeting of the Transportation Research Board, Washington, D.C., January 2018.
66. **Ermagun, A.** & Stathopoulos, A. To bid or not to bid: The supply determinants of crowd-shipping. 97th Annual Meeting of the Transportation Research Board, Washington, D.C., January 2018.
67. **Ermagun, A.**, Punel, A., & Stathopoulos, A. A dynamic prediction of shipment status in crowd-sourced delivery platforms. 97th Annual Meeting of the Transportation Research Board, Washington, D.C., January 2018.
68. Kelarestaghi, K., **Ermagun, A.**, & Heaslip, K. Cycling usage and frequency determinants in college campuses. 97th Annual Meeting of the Transportation Research Board, Washington, D.C., January 2018.
69. Palmateer, C., **Ermagun, A.**, Owen, A., & Levinson, D. The role of transit service area definition in accessibility-based evaluation. 97th Annual Meeting of the Transportation Research Board, Washington, D.C., January 2018.
70. Palmateer, C., **Ermagun, A.**, Owen, A., & Levinson, D. Accessibility-based evaluation of transit projects. 97th Annual Meeting of the Transportation Research Board, Washington, D.C., January 2018.
71. Arian, A., **Ermagun, A.**, & Chiu, Y. An empirical investigation of the reward incentive and trip purposes on departure time behavior change. 97th Annual Meeting of the Transportation Research Board, Washington, D.C., January 2018.
72. Arian, A., **Ermagun, A.**, & Chiu, Y. Detecting of smart and connected community: insight from a mobility app. 97th Annual Meeting of the Transportation Research Board, Washington, D.C., January 2018.
73. Biehl, A., **Ermagun, A.**, & Stathopoulos, A. What drives behavioral change? An application of the transtheoretical model to walking and cycling behavior. 97th Annual Meeting of the Transportation Research Board, Washington, D.C., January 2018.
74. Biehl, A., **Ermagun, A.**, & Stathopoulos, A. A critical review of the transtheoretical model for exploring new routes to travel behavior change models. 97th Annual Meeting of the Transportation Research Board, Washington, D.C., January 2018.
75. Punel, A., **Ermagun, A.**, & Stathopoulos, A. Studying determinants of crowd-shipping use. 97th Annual Meeting of the Transportation Research Board, Washington, D.C., January 2018.
76. Punel, A. & **Ermagun, A.** Mapping airline's twitter network to get insights into its market segments. 97th Annual Meeting of the Transportation Research Board, Washington, D.C., January 2018.

77. Mehdizadeh, M. & **Ermagun, A.** "I'll never stop driving my child to school": On multimodal and monomodal car users. 97th Annual Meeting of the Transportation Research Board, Washington, D.C., January 2018.
78. **Ermagun, A.** & Levinson, D. The use of network econometrics to assess road network reliability. 7th International Symposium on Transport Network Reliability (INSTR2018), Sydney, Australia, January 2018.
79. **Ermagun, A.**, Lindsey, G., & Loh, T. Bicycle, pedestrian, and mixed-mode trail traffic: A performance assessment of demand models. 57th Annual Meeting of the Association of Collegiate Schools of Planning (ACSP), Colorado, Denver, October 2017.
80. Arian, A., **Ermagun, A.**, & Chiu, Y. Detecting of smart and connected community: Insight from a mobility app. 57th Annual Meeting of the Association of Collegiate Schools of Planning (ACSP), Colorado, Denver, October 2017.
81. **Ermagun, A.** & Stathopoulos, A. Bidding, accepting, and delivering: On performance assessment of crowd-shipping. 2017 INFORMS Annual Meeting, Houston, Texas, October 2017.
82. **Ermagun, A.** & Stathopoulos, A. Reliability and the edge of vulnerability in crowd-sourced shipping. 2017 INFORMS Annual Meeting, Houston, Texas, October 2017.
83. Arian, A. **Ermagun, A.**, & Chiu, Y. Community detection with similar and dissimilar travel activity patterns. 2017 INFORMS Annual Meeting, Houston, Texas, October 2017.
84. Arian, A., **Ermagun, A.**, & Chiu, Y. What mode should I choose? Offering travel packages in mobility-as-a-service era. 2017 INFORMS Annual Meeting, Houston, Texas, October 2017.
85. Punel, A., **Ermagun, A.**, & Stathopoulos, A. Differences between users and non-users of crowd-sourced shipping. 2017 INFORMS Transportation Science and Logistics Conference, Chicago, Illinois, July 2017.
86. **Ermagun, A.** & Levinson, D. Network weight matrices and traffic flow analysis. 56th Annual Meeting of the Western Regional Science Association, Santa Fe, New Mexico, February 2017.
87. **Ermagun, A.** & Levinson, D. An introduction to the network weight matrix. 96th Annual Meeting of the Transportation Research Board, Washington, D.C., January 2017.
88. **Ermagun, A.** & Levinson, D. Using temporal detrending to observe the spatial correlation of traffic. 96th Annual Meeting of the Transportation Research Board, Washington, D.C., January 2017.
89. Sohrabi, S., **Ermagun, A.**, & Ovaici, R. Finding optimum capacity of freeways considering stochastic capacity concept. 96th Annual Meeting of the Transportation Research Board, Washington, D.C., January 2017.
90. **Ermagun, A.** & Levinson, D. Spatiotemporal traffic forecasting: Review and proposed directions. 96th Annual Meeting of the Transportation Research Board, Washington, D.C., January 2017.
91. **Ermagun, A.** & Samimi, A. Mode choice and travel distance joint models for school trips. 96th Annual Meeting of the Transportation Research Board, Washington, D.C., January 2017.
92. **Ermagun, A.**, Lindsey, G., & Loh, T. Urban trails and demand response to weather variations. 96th Annual Meeting of the Transportation Research Board, Washington, D.C., January 2017.

93. **Ermagun, A.** & Levinson, D. Intra-household bargaining for school trip accompaniment of children: a group decision approach. 96th Annual Meeting of the Transportation Research Board, Washington, D.C., January 2017.
94. Arian, A., **Ermagun, A.**, & Chiu, Y. (2017). Characterizing activity patterns using co-clustering and user-activity network. In 2017 IEEE 20th International Conference on Intelligent Transportation Systems, 1-6.
95. **Ermagun, A.**, & Lindsey, G., & Loh, T. Urban trails and demand response to weather variations. 56th Annual Meeting of the Association of Collegiate Schools of Planning (ACSP), Portland, Oregon, November 2016.
96. **Ermagun, A.** Age and gender gap in decision making of active travel mode to school. 2nd International Conference on Transport & Health, San Jose, California, June 2016.
97. **Ermagun, A.** & Samimi, A. Potential cost savings of promoting active travel to school. 2nd International Conference on Transport & Health, San Jose, California, June 2016.
98. **Ermagun, A.** & Levinson, D. "Transit makes you short": On health impact assessment of transportation and the built environment. 2nd International Conference on Transport & Health, San Jose, California, June 2016.
99. **Ermagun, A.** & Levinson, D. Accessibility and transit performance. 95th Annual Meeting of the Transportation Research Board, Washington, D.C., January 2016.
100. **Ermagun, A.** & Levinson, D. Public transit in school trips: Active or non-active. 95th Annual Meeting of the Transportation Research Board, Washington, D.C., January 2016.
101. **Ermagun, A.** & Lindsey, G. Differences in spending by local trail users: A two-part model of expenditures. 95th Annual Meeting of the Transportation Research Board, Washington, D.C., January 2016.
102. Cao, J. & **Ermagun, A.** The Influences of the Hiawatha LRT on changes in travel behavior: A retrospective study on movers. 95th Annual Meeting of the Transportation Research Board, Washington, D.C., January 2016.
103. Shamsheeripour, A., **Ermagun, A.**, & Samimi, A. Scrutiny of dichotomy between activity purpose and accompaniment pattern of senior citizens. 95th Annual Meeting of the Transportation Research Board, Washington, D.C., January 2016.
104. Kamali, M. R., **Ermagun, A.**, Viswanathan, K., & Pinjari, A. Development of route choice data using truck GPS. 95th Annual Meeting of the Transportation Research Board, Washington, D.C., January 2016.
105. Lindsey, G., **Ermagun, A.**, & Loh, T. The effects of weather on urban trail use: A national study. 95th Annual Meeting of the Transportation Research Board, Washington, D.C., January 2016.
106. **Ermagun, A.** & Samimi, A. How far is too far: Providing safe and comfortable walking environments. 95th Annual Meeting of the Transportation Research Board, Washington, D.C., January 2016.
107. **Ermagun, A.** Age and gender gap in decision making of active travel mode to school. Active Living Research Conference, Florida, 2016.
108. **Ermagun, A.** & Samimi, A. How far is too far: Providing safe and comfortable walking environments. Active Living Research Conference, Florida, 2016.

109. **Ermagun, A.** & Levinson, D. Cost effectiveness of transit: A job accessibility approach. 14th International Conference on Competition and Ownership in Land Passenger Transport, Chile, August 2015.
110. **Ermagun, A.**, Hajivosough, S., Samimi, A., & Rashidi, T. H. (2015). Accounting for joint decision-making process of escorting pattern and activity types. 94th Annual Meeting of the Transportation Research Board, Washington, D.C., January 2015.
111. Poorfakhraei, A., **Ermagun, A.**, & Samimi, A. The effect of model specification on the results of pedestrian injury analysis. 94th Annual Meeting of the Transportation Research Board, Washington, D.C., January 2015.
112. **Ermagun, A.**, Rashidi, T. H., & Lari, Z. A. Long-term planning and the impact of modal specification on policy assessment for school trip behavior. 94th Annual Meeting of the Transportation Research Board, Washington, D.C., January 2015.
113. **Ermagun, A.** Health cost effectiveness of active travel in school trips. Walk21 International Conference on Walking and Liveable Communities, Sydney, October 2014.
114. **Ermagun, A.**, Rashidi, T. H., Arian, A., & Samimi, A. Mode choice and escort decisions in school trips: application of a copula-based model. 93rd Annual Meeting of the Transportation Research Board, Washington, D.C., January 2014.
115. Poorfakhraei, A., **Ermagun, A.**, & Samimi, A. Investigating the effect of impact speed on pedestrian fatality in traffic accidents. 93rd Annual Meeting of the Transportation Research Board, Washington, D.C., January 2014.
116. **Ermagun, A.**, Samimi, A., & Rashidi, T. H. What is the tolerable walking distance to school? Application of a discrete hazard-based model and a random utility method. In International Choice Modelling Conference 2013, Sydney, Australia, July 2013.
117. Samimi, A. & **Ermagun, A.** Students' choice of active modes: a three-level nested logit model. In 13th World Conference on Transport Research, Rio de Janeiro, Brazil, June 2013.
118. Samimi, A. & **Ermagun, A.** How are children accompanied to school? In 13th World Conference on Transport Research, Rio de Janeiro, Brazil, June 2013.
119. Samimi, A. & **Ermagun, A.** Analysis of school trip mode choice: promoting active travel. 92nd Annual Meeting of the Transportation Research Board, Washington, D.C., January 2013.
120. Samimi, A. & **Ermagun, A.** Active transportation mode choice behavior across genders in school trips. 91st Annual Meeting of the Transportation Research Board, Washington, D.C., January 2012.

Invited Talks: 12 Presentations

1. **Ermagun, A.**, Social, spatial, and modal disparities of access across America, University of Ghent, Belgium, 2024.
2. **Ermagun, A.**, Social, spatial, and modal disparities of access across America, University of Michigan, 2024.
3. **Ermagun, A.**, Research activities, plans, and opportunities, Federal Highway Administration, 2024.
4. **Ermagun, A.**, Social and spatial disparity of access, Urban Research, George Mason University, Fairfax, VA, 2024.

5. **Ermagun, A.**, Applications of access across America, Geography and Geoinformation Science Colloquium, George Mason University, Fairfax, VA, 2023.
6. **Ermagun, A.**, Research activities, plans, and opportunities, Virginia Department of Transportation, 2023.
7. **Ermagun, A.**, Resilience of access, Sacramento Police Department, 2023.
8. **Ermagun, A.**, An introduction to transportation engineering and planning, Mississippi Summer Transportation Institute, Mississippi State University, Mississippi State, MS, 2019, 2021, 2022.
9. **Ermagun, A.**, Equity of infrastructure for socially vulnerable people, Advisory Board Members, Mississippi State University, Mississippi State, MS, 2022.
10. **Ermagun, A.**, Autonomous vehicle and equity implications, Transportation Research Board, AMS50 Webinar Series, 2022.
11. **Ermagun, A.**, Environment satisfaction induced by built environment, travel, and personal factor, Understanding Everyday Life symposium, University of Minnesota, Minneapolis, MN, 2022.
12. **Ermagun, A.**, Research activities and plan, Advisory Board Members, Mississippi State University, Starkville, MS, 2018.

Book Chapters and Review: 8 Chapters

1. **Ermagun, A.**, & Levinson, D. (2021). Access and transit system performance. In Applications of Access, Edited by Levinson, D. & **Ermagun, A.** The University of Sydney.
2. **Janatabadi, F.**, Tajik, N., & **Ermagun, A.** (2021). Transit access performance across Chicago. In Applications of Access, Edited by Levinson, D. & Ermagun, A. The University of Sydney.
3. Palmateer, C., **Ermagun, A.**, Owen, A., & Levinson, D. (2021). The role of transit service area definition for access-based evaluation. In Applications of Access, Edited by Levinson, D. & Ermagun, A. The University of Sydney.
4. Palmateer, C., Owen, A., & **Ermagun, A.**, (2021). Access-based evaluation of transit-oriented developments. In Applications of Access, Edited by Levinson, D. & Ermagun, A. The University of Sydney.
5. Borowski, E., **Ermagun, A.**, & Levinson, D. (2021). Disparity of access: Variations in transit service by race, ethnicity, income, and auto availability. In Applications of Access, Edited by Levinson, D. & **Ermagun, A.** The University of Sydney.
6. **Ermagun, A.** (2021). Transport access and health. International Encyclopedia of Transportation, Edited by Vickerman, R., 7, 335-340.
7. Arian, A., **Ermagun, A.**, & Chiu, Y. (2018). An empirical investigation of the reward incentive and trip purposes on departure time behavior change. Advances in Transport Policy and Planning, Edited by Shiftan, Y. & Kamargianni, M., 1, 145-167.
8. **Ermagun, A.** (2015). Human transit: How clearer thinking about public transit can enrich our communities and our lives by Jarrett Walker. Transportation Journal, 54(3), 405-407.

HONORS AND AWARDS

Scientific Stay in Flanders Fellowship, Fonds Wetenschappelijk Onderzoek (FWO), Brussels, Belgium.	2024
Best Paper Award, STAR-TIDES Capabilities Demonstration 17 th Annual Meeting, Arlington, VA.	2024
Certificate of Commendation, Transportation Research Board Annual Meeting, Washington, D.C.	2023
Excellence in Teaching, Deep South Institute of Transportation Engineers, Mississippi State, MS.	2022
Best Paper Award, Summer Science & Engineering Symposium, Mississippi State, MS.	2022
First Place, Institute of Transportation Engineers' Deep South Traffic Bowl Competition, Hattiesburg, MS.	2022
First Place, Institute of Transportation Engineers' Deep South Traffic Bowl Competition, Hattiesburg, MS.	2021
Best Research on Innovation, Transportation Research Board Annual Meeting, Washington, D.C.	2020
First Place, Institute of Transportation Engineers' Deep South Traffic Bowl Competition, Hattiesburg, MS.	2020
ExCEED Teaching Fellow, American Society of Civil Engineers, Fort Myers, Florida.	2019
Best Research on Innovation, Transportation Research Board Annual Meeting, Washington, D.C.	2018
Finalist in the 31 st Competition for the Charles M. Tiebout Prize in Regional Science, 56 th Annual Meeting of the Western Regional Science Association, Santa Fe, NM.	2017
Best Poster Paper Award, Association of Collegiate Schools of Planning (ACSP) 56 th Annual Conference, Portland, OR.	2016
John S. Adams Award, in Recognition of Outstanding Academic Achievement in the Field of Transportation Policy and Planning, Center for Transportation Studies, University of Minnesota, MN.	2016
Best Poster Paper Award, Active Living Research Conference, Clearwater Beach, FL.	2016
Fellowship Award, MIT Summer School, Modeling and Simulation of Transportation Networks, Massachusetts Institute of Technology, Cambridge, MA.	2015
Student Travel Award, 94 th , 95 th , and 96 th Transportation Research Board Annual Meeting, University of Minnesota, Minneapolis, MN.	2015-2017
Best Paper Award for 13 th International Conference on Traffic and Transportation Engineering, Tehran, Iran.	2014
Travel Award, 13 th World Conference on Transport Research (WCTR), Rio de Janeiro, Brazil.	2013

GRANTS AND CONTRACTS

Total Funding: \$5,580,359.00 (PI: \$2,958,073.00; Co-PI: \$2,622,286.00)

National Science Foundation. DISES: Abating Mobility Equity Gaps Induced by Nuisance Flooding in Underserved Communities. PI. Award: \$1,773,351.00.	2024-2028
National Science Foundation. Planning: CHIRRP: Engagement and Mitigation for Building Resilience Against Cascading Events in Puerto Rico. PI. Award: \$199,052.00.	2024-2026
National Science Foundation. CIVIC-PG Track B: Advancing Community-Centered, Equitable, and Sustainable Solutions (ACCESS) for Walking, Biking, and Micromobility Infrastructure. Co-PI. Award: \$75,000.00.	2024-2025
National Science Foundation. RAPID: Understanding Freight Flow Adaptations and Supply Chain Logistics Impacts of the Francis Scott Key Bridge Collapse. Co-PI. Award: \$85,000.00.	2024-2025
National Science Foundation. Snuff It Out: Extinguishing the Disparity of Access to Shelters for Disadvantaged Communities in Wildfire-Prone Areas. PI. Award: \$397,365.00.	2023-2026
National Oceanic and Atmospheric Administration. Integrating Environmental Justice into NWS Services to Reduce the Vulnerability of HUSVCs to Extreme Weather Events. Co-PI. Award: \$446,939.00.	2022-2025
National Academies of Sciences, Engineering, and Medicine. Exploring Innovative Nature-Based Approaches to Regional Stormwater Management in Ocean Springs, MS. Co-PI. Award: \$100,000.00.	2022-2023
Mississippi Department of Transportation. Mississippi State Summer Transportation Institute. PI. Award: \$53,094.00.	2022
United States Department of Agriculture and National Science Foundation. SCC-IRG Track 1: Reducing the Vulnerability of Disadvantaged Communities to the Impacts of Cascading Hazards under a Changing Climate. Co-PI. Award: \$1,700,000.00.	2021-2024
Mississippi Department of Transportation. Mississippi Transportation Research Center. PI. Award: \$359,959.00.	2018-2022
Center for Advanced Vehicular Systems (CAVS). Behavioral Analysis of Micromobility Users. PI. Award \$25,437.00.	2020-2021
Parking and Services at Mississippi State University Parking Policy, Pricing, and Location Decisions. PI. Award \$68,973.00.	2020-2021
Mississippi Department of Transportation. Mississippi State Summer Transportation Institute. PI. Award: \$61,842.00.	2021
National Science Foundation. SCC-PG: Reducing the Vulnerability of Disadvantaged Communities to the Impacts of Cascading Hazards under a Changing Climate. Co-PI. Award: \$118,724.00.	2020-2021

Mississippi State University, Bagley College of Engineering, Community Resilience Working Group, PI. Award: \$5,000.00.	2020-2021
Mississippi State Board of Contractors. Investing in Mississippi's Current and Potential Construction Workforce Through Safety, Knowledge Transfer, and Promotional Tool Development Initiatives. Co-PI. Award: \$36,623.00.	2019-2021
William and Flora Hewlett Foundation. Replacing Traditional Textbooks with Open Educational Resource. PI. Award: \$4,000.00.	2019-2021
Mississippi Department of Transportation. Mississippi State Summer Transportation Institute. Co-PI. Award: \$60,000.00.	2019
City of Minneapolis. Evaluation of Bicycle Traffic Control Devices and Street Design Elements in Minneapolis. PI. Award: \$10,000.00.	2017

TEACHING

Courses	Semester	Evaluation
CE 3113 Transportation Engineering	Spring 2019	4.3 out of 5
CE 3113 Transportation Engineering	Fall 2019	4.8 out of 5
CE 3113 Transportation Engineering	Spring 2020	4.5 out of 5
CE 4173 and CE 6173 Travel Behavior Modeling	Spring 2020	4.7 out of 5
CE 4133 and CE 6133 Geometric Designs of Highways	Spring 2020	-
CE 8163 Public Transportation	Fall 2020	5 out of 5
CE 4163 and CE 6163 Urban Transportation Planning	Spring 2021	4.5 out of 5
CE 3113 Transportation Engineering	Summer 2021	4.9 out of 5
CE 3113 Transportation Engineering	Fall 2021	4.9 out of 5
CE 3113 Transportation Engineering	Spring 2022	4.8 out of 5
CE 3113 Transportation Engineering	Fall 2022	4.7 out of 5
GG5 590, GGS 357, and GOVT 357 Urban Planning	Spring 2023	4.3 out of 5
GG5 505 and GGS 399 Transportation Geography	Spring 2023	4.8 out of 5
GG5 505 and GGS 399 Transportation Geography	Fall 2023	4.7 out of 5
GG5 590, GGS 357, and GOVT 357 Urban Planning	Spring 2024	4.3 out of 5

K-12 Outreach

Aspiring Scientists Summer Internship Program (ASSIP). An eight-week summer camp sponsored by George Mason University. Audience: Rising high school sophomores and juniors mostly.	2024
Aspiring Scientists Summer Internship Program (ASSIP). An eight-week summer camp sponsored by George Mason University. Audience: Rising high school sophomores and juniors mostly.	2023

Mississippi Summer Transportation Institute. A two-week summer camp sponsored by Federal Highway Administration and Mississippi Department of Transportation. Audience: Rising high school sophomores and juniors mostly.	2022
Mississippi Summer Transportation Institute. A two-week summer camp sponsored by Federal Highway Administration and Mississippi Department of Transportation. Audience: Rising high school sophomores and juniors mostly.	2021
Mississippi Summer Transportation Institute. A two-week summer camp sponsored by Federal Highway Administration and Mississippi Department of Transportation. Audience: Rising high school sophomores and juniors mostly.	2019

ADVISING AND MENTORING

Loudoun County Public Schools Students Program

Lyn Motter	2024
Adharsh Sivaganesan	2024

Aspiring Scientists Summer Internship Program (ASSIP)

Joseph Anthony Gallagher	2024
Amrit Raj Singh	2024
Anahi Hernani Vidal	2024
Cecelia Meunier	2024
Charlotte Anne Kao	2024
Ella Zhang	2024
Kailyn Pudleiner	2024
Kyungwon Park	2024
Michelle Qiu	2024
Mihika Thalluri	2024
Nathan Liu	2024
Rachel Du	2024
Sai Shreyas Rangi	2024

Aspiring Scientists Summer Internship Program (ASSIP)

Shreyan Dey	2023
David Li	2023
Lydia Blackwell	2023
Alexander Jia	2023
Katherine Pease	2023
Joshua Tian	2023
Pranav Griddaluri	2023
Aidah Nizamudeen	2023
Shan Kanwar	2023
Linda Gu	2023
Graham Evans	2023
Adarsh Bharadwaj	2023

Undergraduate Students

Megan Finney, Mississippi State University	2019
Abigail Musser, Mississippi State University (Honors Thesis)	2021
Kiara Batson, Mississippi State University	2021
Elysia Koury, George Mason University	2023
James Major, George Mason University	2023
Sage Kerr, George Mason University	2024
James Stillwagen, George Mason University	

Master of Science Student Advisees

Christopher Melin, Mississippi State University	2019-2022
Seungjae Shin, Mississippi State University	2020-2022
Zachary Sauter, George Mason University	2023-Present

Doctoral Student Advisees

Fatemeh Janatabadi, George Mason University	2021-Present
Jacquelyn Erinne, Mississippi State University	2020-2022
Sanju Maharjan, Mississippi State University	2020-2022

GRADUATE STUDENT COMMITTEE

Stephen Diaz, Mississippi State University	2018
Kaveh Bakhsh Kelarestaghi, Virginia Polytechnic Institute and State University.	2019
Talia Barraco, Mississippi State University	2020
Karl Elebash, Mississippi State University	2021
Masood Abdollahi, Mississippi State University	2021
Lyndsey Norberg, George Mason University	2023
Hadi Ghayoomi Mohammadi, George Mason University	2023
Daryn Lee, Carnegie Mellon University	2024
Lamiae Taoudi, Mississippi State University	2024
Jacob Daum, George Mason University	2024

SERVICES AND PUBLIC OUTREACH

Service to the Discipline

Editorial Duties

Co-Founder, Findings	2018
Board of Directors, Findings	2018-Present
Editor, Resilience Findings	2021-Present
Editorial Advisory Board, Journal of Transport and Land Use	2021-Present
Editorial Advisory Board, Transport Reviews	2021-Present
Handling Editor, Transportation Research Record	2021-Present
Editorial Advisory Board, Journal of Transport Geography	2022-Present

Committee Memberships

Member, American Association of Geographers, Transportation Geography Specialty Group	2023-2026
Member, American Society of Civil Engineers, Committee on Transportation Policy	2024-Present
International Symposium on Transport Network Resilience (INSTR)	2021-Present
Member, International Symposium on Transport Network Resilience	2022-Present
Lifetime Member, American Association of Geographers	2022-Present
Member, Transportation Research Board, Standing Committee on Women and Gender in Transportation (AME20)	2019-Present
Research Coordinator, Transportation Research Board, Standing Committee on Women and Gender in Transportation (AME20)	2019-Present
Associate Member, American Society of Civil Engineers	2018-Present
Corresponding Member, American Society of Civil Engineers, Committee on Transportation Policy	2020-Present
Member, Transportation Research Board, Standing Committee on Urban Freight Transportation (AT025)	2021-Present
Board of Governors, Transportation & Development Institute (T&DI), American Society of Civil Engineers (ASCE)	2021-2022

Organization of Symposia, Sessions, Seminars, and Workshops

Co-organizer, Transportation Research Board, Decarbonizing Urban Freight: Planning, Equity, and Engagement Strategies to Meet National Goals	2024
Co-organizer, Bridging Transportation Researchers (BTR) Conference	2019-2021
Chair, Community Resilience Working Group, Mississippi State University	2020-2022
Co-chair, World Symposium on Transport and Land Use Research	2020-2021
Moderator, Transportation Research Board, Women and Gender in Transportation Webinar Series	2020
Panelist, National Strategic Planning & Analysis Research Center, Mississippi State University	2019
Discussant, 56 th Annual Meeting of the Western Regional Science Association, Santa Fe, New Mexico	2017

Reviewer for Refereed Journals: 31 Journals

Environment and Planning B: Urban Analytics and City Science; Cities; Journal of Travel Behaviour and Society; Journal of Transportation Research Part A: Policy and Practice; Journal of Transportation Research Part B: Methodological; Journal of Transportation Research Part D: Transport and Environment; Journal of Transportation Research Part C: Emerging Technologies; Urban Studies; Journal of Transport Geography; Journal of Transportation Letters; Journal of Transport and Land Use; Journal of Accident Analysis & Prevention; Journal of European Transport Research Review; International Journal of Sustainable Transportation; Journal of

Transportation Research Record; Journal of Transportmetrica A: Transport Science; British Medical Journal (BMJ) Open; Journal of Transport & Health; Journal of Marketing for Higher Education; Sustainability: An Open Access Journal from MDPI; Sensors: An Open Access Journal from MDPI; Research in Transportation Economics; Case Studies in Transport Policy; Journal of Public Transportation; Transport Findings; Resilience Findings; IEEE Access; Journal of Intelligent Transportation Systems; Transport Reviews; Transport Policy.

Review for Proposals and Panels

Ad-hoc proposal reviewer, National Science Foundation (NSF), Human-Environment and Geographical Sciences (HEGS) Program. 2023

Panel reviewer, National Science Foundation (NSF), Mid-scale Research Infrastructure. 2023

Panel reviewer, National Cooperative Highway Research Program, Advancing Gender Equity in the DOT Workforce. 2023

Service to the University

Curriculum Development, Developed teaching materials, curriculum, and texts for CE-4173 and CE-6173 Travel Behavior Modeling and Forecasting 2019

Undergraduate Student Advisor. Richard A. Rula School of Civil and Environmental Engineering, Mississippi State University 2019-2022

Faculty Advisor, Mississippi State University Chapter of the Institute of Transportation Engineers (ITE), Mississippi State University 2019-2022

Graduate Teaching Assistant Workshop Classroom Evaluations, Mississippi State University 2020

Community Resilience Working Group, Mississippi State University 2020

Undergraduate Students Advising, Mississippi State University 2018-Present

Search Committee Member for the Director of Richard A. Rula School of Civil and Environmental Engineering, Mississippi State University. 2021

Developing Class Schedules for Richard A. Rula School of Civil and Environmental Engineering, Mississippi State University. 2022

Aspiring Scientists Summer Internship Program (ASSIP), Mentor, George Mason University 2023

College of Science Scholarship Committee, George Mason University. 2023-present

Mason Learning Management System Advisory Committee, George Mason University. 2023

Faculty Mentor for the Loudoun County Public Schools, George Mason University. 2023-2024

Aspiring Scientists Summer Internship Program (ASSIP), Mentor, George Mason University. 2024

Interviews and Media Appearances

The Daily Progress, “ Virginia wildfires should be a climate change ‘wake-up call,’ say George Mason University scientists ,” by Culpeper Star-Exponent.	2024
George Mason University News, “ Mason researcher prepares vulnerable communities for wildfire impact ,” by Milinda Polisetty.	2024
George Mason University News, “ Mason scientists sound “wake-up call” on Virginia’s wildfires ,” by Tracy Mason.	2024
Augusta Free Press, “ Experts on wildfires: Swift action, rainfall helped Virginia counties ‘dodge a dire outcome’ ,” by Crystal Graham.	2024
FOX 5, “ Hacked construction signs distracting drivers ,” by Josh Rosenthal.	2024
ALUMNUS Mississippi State University, “ MSU Researchers Combine Engineering, Social Sciences in Effort to Mitigate Cascading Hazards In Disadvantaged Communities ,” By James Carskadon.	2021
Mississippi State University Newsroom, “ MSU leads new \$1.7 million research project to help disadvantaged communities confronting wildfires and related cascading hazards ,” by Allison Matthews.	2021
NEXUS. A Magazine by NSPARC at Mississippi State University, “ The need for integrated data in disasters ,” by Laura McPhail.	2019
Minnesota Daily, “ U study says transit does not have impact on public health ,” by Kristina Busch.	2016
Catalyst by Center for Transportation Studies, University of Minnesota, “ “Transit makes you short’: On health impact assessment of transportation and the built environment ,” by Pamela Snopl.	2016
PS News Features, Independent News for the Australian Public Service, “ Does using public transport make the community healthier? ” by Alan Davies.	2015