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EDUCATION

UNIVERSITY OF CALIFORNIA, BERKELEY, Berkeley, CA, Ph.D. in Civil and Environmental Engineering-Transportation. Minors in City and Regional Planning and Economics (Econometrics). May 2007.

Dissertation Topic: Environmental, Safety and Mobility Implications of Electric Two-Wheeler Use In China

UNIVERSITY OF ARIZONA, Tucson, AZ, Master of Science in Civil Engineering-Transportation. December 2003.

UNIVERSITY OF ARIZONA, Tucson, AZ, Bachelor of Science in Civil Engineering. December 2000.

ACADEMIC APPOINTMENTS

02/2019 to present	Associate Dept. Head of Undergraduate Studies. Civil and Env. Engineering UTK.
08/2018 to present	Professor. Civil and Env. Engineering. University of Tennessee, Knoxville.
06/2018 to 07/2018	Visiting Professor, Transportation Engineering. Southwest Jiaotong University, Chengdu
01/2018 to 06/2018	Visiting Professor, School of Civil Engineering. University of Queensland.
08/2017 to 12/2017	Visiting Professor, Transportation Research and Edu Center. Portland State University
08/2013 to 08/2018	Associate Professor. Civil and Env. Engineering. University of Tennessee, Knoxville.
08/2007 to 08/2013	Assistant Professor. Civil and Env. Engineering. University of Tennessee, Knoxville.
08/2003 to 06/2007	Graduate Research Assistant. University of California, Berkeley.
01/2001 to 05/2003	Graduate Research Assistant. University of Arizona.

LEADERSHIP POSITIONS

- Director of Light Electric Vehicle Education and Research (LEVER) Initiative, an international consortium of researchers and industry on lightweight and low speed EV research.
- Society of Automotive Engineers - Chair Micromobility Subcommittee. 2018-present.
- Transportation Research Board-Developing Countries (ABE90) Member 2018-present. Bicycle Transportation (ANF20)-Member 2009-2018
- Transportation Research Board-Chair of Joint Subcommittee (ANF10, ANF20, ANF30, ANB40, AP020) of Emerging Vehicle Technologies
- Journal of Transportation Safety & Security – Bicycle and Pedestrian Area Editor
- International Journal of Sustainable Transportation – Editorial Advisory Board
- Transportation Research Part D Transport and the Environment – Editorial Advisory Board
- City of Knoxville Transportation Working Group of Mayor’s Climate Council (2020-Present)
- City of Knoxville Greenway Commission (2012-2017) Vice-Chair (Appointed by Mayor Rogero)
- City of Knoxville Transportation and Mobility Committee (Roads and Streets Subcommittee Chair) - (Appointed by City Council) (2008-2010)

RESEARCH AREAS

- Emerging Vehicle Technology
- Sustainable Transportation
- Non-Motorized Transportation Safety
- Travel Behavior and Demand
- Transportation Economics
- Multimodal Transportation Planning and Operations
- Micromobility
- Shared Mobility

PUBLICATIONS

Web of Science/ResearcherID profile: <http://www.researcherid.com/rid/B-3270-2009>

Google Scholar profile: <https://scholar.google.com/citations?user=I3wi1-EAAAAJ&hl=en>

Journal Articles (supervised students underlined)

Submitted Articles Under Review

1. Hezaveh, A. C. Cherry, T. Nordfjaern, (2020) *A home-based approach to understanding the effect of spatial autocorrelation on seat belt non-use*. Transportation Research Part F. (In Review)
2. Hezaveh, A.M., C. Cherry (2020) *Identifying seat belt non-use hot zones*. Accident Analysis and Prevention (In Review)
3. Shah, N. R., Guo, J., Han, L.D., Cherry, C. R., *Why do people take e-scooter trips? Big Data and Unsupervised Machine Learning insights on temporal and spatial usage patterns*. Under review in Transportation Research Part C.
4. Azad, M. J., C. Cherry, D. Abdelqader, L. Taboada (2020) *Pedestrian oriented transit and sidewalk improvement prioritization*. Journal of Transport and Geography. In Review.
5. Yang, H., J. Huo, Y. Bao, L. Yang, C. Cherry (2020) *The Impact of E-Scooter Sharing System on the Usage of Bike Sharing System in Chicago: A Study Based on Natural Experiment*. Transportation Research Part A. In Review
6. Shah, N., C. Cherry (2021). *Infrequent Bicyclists Have A Different Safety Perception Than Frequent Bicyclists: Findings from Revealed Preference Study Using Bikeshare Data*. Transportation Research Record. In Review

In Press or Published Articles

1. Useche, S., A.M. Hezaveh, C. Cherry (2020) *Not gendered... but different from each other? A Structural Equation Model for explaining risky road behaviors of female and male pedestrians*. Accident Analysis and Prevention (In Press)
2. Hezaveh, A.M., C. Cherry (2020) *Applying a Home-Based Approach to the Understanding Distribution of Economic Impacts of Traffic Crashes*. Transportation Research Record. (In Press)
3. Wen, Y., C. Cherry (2020) *Sharing: Attitudes and Perceptions*. Encyclopedia of Transportation. Elsevier (In press)
4. Shah, N., I. Buckner, C.R. Cherry (2020) *A jughandle design will virtually eliminate single bicycle crashes at a railway crossing*. Journal of Transport and Health. <https://doi.org/10.1016/j.jth.2020.100962>
5. McQueen, M., MacArthur, J., & Cherry, C. (2020). *The E-Bike Potential: Estimating regional e-bike impacts on greenhouse gas emissions*. Transportation Research Part D: Transport and Environment, 87, 102482.
6. Afghari, A. P., Hezaveh, A. M., Haque, M. M., & Cherry, C. (2020). *A home-based approach to understanding seatbelt use in single-occupant vehicles in Tennessee: Application of a latent class binary logit model*. Accident Analysis & Prevention, 146, 105743.
7. Mishra, S., I. Sharma, M. Gkolia, T. Welch, C. Cherry (2020) *Equity of transit connectivity in Tennessee cities*. Journal of Transport Geography, 86, 102750.
8. Merlin, L., C. Cherry, A.M. Hezaveh, E. Dumbaugh (2020) *Residential Accessibility's Relationships with Crash Rates per Capita*. Journal of Transport and Land Use. 13(1) pg. 113-128.
9. Naumann, R., K. Shiue, A.M. Hezaveh, S. Marshall, C. Cherry (2019) *Connections between opioids and road injury: linkage of prescription monitoring and crash databases*. American Journal of Preventive Medicine. (in press)

10. Azad, M., N. Hoseinzadeh, C. Brakewood, C. Cherry, L. Han (2019) *Fully Autonomous Buses: A Literature Review and Future Research Directions*. Journal of Advanced Transportation. (in press)
11. Hezaveh, A.M., T. Nordfjærn, J. Everett, C. Cherry (2019) *The correlation between education, engineering, enforcement, time of day and self-reported seat belt use; incorporating the spatial effect*. Transportation Research Part F. (in press)
12. Hezaveh A.M., R. Arvin, C. Cherry (2019) *A geographically weighted regression to estimate the comprehensive cost of traffic crashes at a zonal level*. Accident Analysis and Prevention. 131 pg 15-24.
13. Boggs A., A.M. Hezaveh, C. Cherry (2019) *Shortage of commercial vehicle parking and truck related interstate ramp crashes in Tennessee*. Transportation Research Record, Journal of the Transportation Research Board. <https://doi.org/10.1177/0361198119849586>
14. Ling, Z., C. Cherry, H. Yang (2019) *Emerging mini electric cars in China: User experience and policy implications*. Transportation Research Part D: Transport and Environment. 69 pg 293-304.
15. Hezaveh, A.M., C. Cherry (2018) *Neighborhood-Level Factors Affecting Seat Belt Use*. Accident Analysis and Prevention. 122, pg 153-161.
16. Dhakal, N., C. Cherry, Z Ling, M. Azad (2018) *Using CyclePhilly Data to Assess Wrong-Way Riding of Cyclist*. Journal of Safety Research. 67 pg. 145-153.
17. Sultana, Z., Mishra, S., C. Cherry, M. Gkolias, S. Jeffers. (2018) *Modeling Frequency of Demand Response Transit Trips*. Transportation Research Part A. 118 pg 494-505.
18. Yoon, T., C. Cherry (2018) *Carsharing Demand Estimation and Fleet Simulation with EV Adoption*. Journal of Cleaner Production. 206, pg. 1051-1058.
19. Hezaveh, A.M., C. Cherry (2018) *Walking while under the influence of alcohol: A case study of pedestrian safety in Tennessee*. Accident Analysis and Prevention. 121, pg. 64-70
20. Yang, H., Y. Liu, F. Su, X. Liu, C. Cherry (2018) *Predicting e-bike users' intention to run the red light: An application and extension of the theory of planned behavior*. Transportation Research Part F: Psychology and Behavior 58 pg 282-291
21. Yang, H., C. Cherry, F. Su, Z. Ling, Z. Pannell, Y. Li, Z. Fu (2018) *Underreporting, Crash Severity, and Fault Assignment of Minor Crashes in China—A Study Based on Self-Reported Surveys*. International Journal of Injury Control and Safety Promotion. DOI: 10.1080/17457300.2018.1476382.
22. Weber, J. W. Riggs, C. Cherry, M. Azad (2018) *The Convergence of Smartphone Apps, Behavioral Economics, and Competition to Increase Cycling*. Transportation Research Part F: Psychology and Behavior. 56 pg 333-343.
23. C. Cherry, W. Riggs, B. Appleyard, N. Dhakal, J. McKinstry, S. Jeffers (2018) *New and Unique Aspects of University Campus Transportation Data to Improve Planning Methods*. Transportation Research Record, Journal of the Transportation Research Record. <https://doi.org/10.1177/0361198118781659>.
24. Yoon, T., C. Cherry (2018) *Migrating towards using electric vehicles on campus-Proposed method for fleet optimization*. Sustainability 10(285); doi:10.3390/su10020285
25. Hezaveh, A.M., M.F. Zavareh, T. Nordfjærn, C. Cherry (2017) *Errors and Violations in Relation to Bicyclists Crash Risks: Development of the Bicycle Rider Behavior Questionnaire (BRBQ)*. Journal of Transport & Health.
26. Lu, X., H. Yang, C. Cherry, X. Liu (2017) *Spatial Variations in Active Mode Volume at Intersections: A Local Analysis Utilizing Geographically Weighted Regression Approach*. Journal of Transport Geography. 64 pg 184-194.
27. Ling, Z., C. Cherry, J. Macarthur, J. Weinert (2017) *Differences of Cycling Experiences and Perceptions between E-bike and Bicycle Users in the United States*. Sustainability 9(9), 1662; doi:10.3390/su9091662
28. Rose, W., C. Autry, J. Bell, C. Cherry (2017) *Urban Logistics: Establishing Key Concepts and Building a Conceptual Framework for Future Research*. Transportation Journal 56(4) 357-394.
29. Langford, B.C., C. Cherry, D. Bassett, E. Fitzhugh, N. Dhakal (2017) *Comparing physical activity of pedal-assist electric bikes with walking and conventional bicycles*. Journal of Transport & Health. <http://dx.doi.org/10.1016/j.jth.2017.06.002>.

30. Ling, Z., C. Cherry, N. Dhakal (2017) *Factors influencing single-bicycle crashes at skewed rail grade crossings*. Journal of Transport & Health. DOI: 10.1016/j.jth.2017.01.004.
31. Yoon, T., C. Cherry (2017) *One-way and round-trip carsharing: A stated preference experiment in Beijing*. Transportation Research Part D. DOI 10.1016/j.trd.2017.04.009
32. Gamez-Perez, K., P. Arroyo-Lopez, C. Cherry (2017) *Defining a primary market for bikesharing programs: a study of habits and usage intentions in Leon, Mexico*. Transportation Research Record: Journal of the Transportation Research Board. 2634. 10.3141/2634-09
33. Yang, H., C. Cherry, R. Zaretski, M. Ryerson (2016) *A GIS - based method to identify cost - effective routes for rural deviated fixed route transit*. Journal of Advanced Transportation. DOI: 10.1002/atr.1428.
34. Yang, H., C. Cherry (2016) *Use Characteristics and Demographics of Rural Transit Riders: A Case Study in Tennessee*. Transportation Planning and Technology. 40(2). Pg 213-227.
35. Yang, X., J. Day, B.C. Langford, C. Cherry, L. Jones, S. Han, J. Sun (2016) *Commute Responses to Employment Decentralization: Anticipated versus Actual Mode Choice Behaviors of New Town Employees in Kunming, China*. Transportation Research Part D. DOI: 10.1016/j.trd.2016.11.012
36. Khatri, R., C. Cherry, S. Nambisan, L. Han (2016) *Modeling route choice of bikeshare users with GPS data*. Transportation Research Record: Journal of the Transportation Research Board. 2587. 10.3141/2587-17.
37. Campbell, A., C. Cherry, M. Ryerson, L. Jones, X. Yang (2016) *Factors influencing the choice of shared bicycles and shared electric bikes in Beijing*. Transportation Research Part C. 64. Pg 399-414. 10.1016/j.trc.2016.03.004
38. Cherry, C., H. Yang, L. Jones, M. He (2016) *Dynamics of Electric Bike Ownership and Use in Kunming China*. Transport Policy. 45, Pg 127-135. doi: 10.1016/j.tranpol.2015.09.007.
39. Ji, S., C. Cherry, W. Zhou, R. Sawhney, Y. Wu, S. Cai, S. Wang, J. Marshall (2015) *Environmental Justice Aspects of Exposure to PM_{2.5} Emissions from Electric Vehicle Use in China*. Environmental Science and Technology. 49(24) Pg. 13912-13920.
40. Ling, Z., C. Cherry, Y. Ni, K. Li (2015) *Pedestrian Level of Service at Signalized Intersections in China*. Transportation Research Record: Journal of the Transportation Research Board. 2519 pg 75-81. Doi: 10.3141/2519-09
41. Ling Z., C. Cherry, H. Yang, L. Jones (2015) *From e-bike to car: A study on factors influencing motorization of e-bike users across China*. Transportation Research Part D. 41, Pg. 50-63 doi: 10.1016/j.trd.2015.09.012
42. Han, L., S. Nambisan, E. Lemons, C. Cherry (2015) *Fair Representation of Transportation Research Record's Impacts: A Case Study on Journal Citation Reports' Impact Factor*. Transportation Research Record: Journal of the Transportation Research Board. 2480. pp 1-10.
43. Fishman, E., C. Cherry (2015) *E-bikes in the mainstream: Reviewing a decade of research*. Transport Reviews doi: 10.1080/01441647.2015.1069907
44. Langford, B.C., Chen, J., C. Cherry (2015) *Risky riding: naturalistic methods comparing safety behavior from conventional bicycle riders and electric bike riders*. Accident Analysis and Prevention, 82, 220-226.
45. Campbell, A., C. Cherry, M. Ryerson, L. Jones (2014) *Better pen-and-paper surveys for research in developing countries: A modified stated preference pivoting approach*. Transportation Research Record: Journal of the Transportation Research Board. 2405. Pg 42-48. 10.3141/2405-06
46. Wolff, D., E. Fitzhugh, D. Bassett, C. Cherry (2014) *Greenway siting and design: relationships with physical activity behaviors and user characteristics*. Journal of Physical Activity and Health. 11(6), Pg. 1105-1110.
47. Ji, S., C. Cherry, L. Han, D. Jordan (2014) *Electric Bike Sharing: Simulation of User Demand and System Availability*. Journal of Cleaner Production. 85. Pg. 250-257. 10.1016/j.jclepro.2013.09.024
48. Jones, L., C. Cherry, T. Vu, N. Quang (2013) *Estimating the Effect of Incentives on the Adoption of Electric Motorcycles: A Stated Choice Experiment in Vietnam*. Transportation Research Part A. 57. Pg. 1-11. 10.1016/j.tra.2013.09.003
49. Langford, B.C., C. Cherry, T. Yoon, S. Worley, D. Smith (2013) *North America's first electric bicycle share: A year of experience*. Transportation Research Record: Journal of the Transportation Research Board. 2387. Pg 120-128. 10.3141/2387-14.

50. van der Kuijp, T.J., L. Huang, C. Cherry (2013) *Health hazards of China's lead-acid battery industry: a review of its market drivers, production processes, and health impacts*. Environmental Health. 12(61) pg 1-10.
51. Yang, Q., L. Han, C. Cherry (2013) *Some measures for sustaining red-light camera programs and their negative impacts*. Transport Policy 29 pg 192-198.
52. Lu, W., L. Han, C. Cherry (2013) *Evaluation of Vehicular Communication Networks in a Car Sharing System*. International Journal of Intelligent Transportation Systems Research. 11(3). Pg 113-119. 10.1007/s13177-013-0060-1.
53. Ni, M.C., C. Cherry, E. Deakin (2012) *Conducting Transportation Survey Research in China: International Research Team Experiences and Best Practices*. Transportation Research Record: Journal of the Transportation Research Board 2317 pg 131-138.
54. Cherry, C., B. Donlon, X. Yan, S.E. Moore, J. Xiong (2012) *Illegal midblock pedestrian crossings in China: Gap acceptance, conflict, and crossing path analysis*. International Journal of Injury Control and Safety Promotion 19(4) pg. 320-330.
55. Cherry, C., T. Hill, J. Xiong (2012) *Assessing countermeasures designed to reduce hazards between bike lane occupants and right-turning automobiles in China*. Journal of Transportation Safety and Security 4 pg. 277-294.
56. Yang, H., C. Cherry (2012) *Statewide Rural-Urban Bus Travel Demand and Network Evaluation: An Application in Tennessee*. Journal of Public Transportation 15(3) pg. 97-111.
57. Cherry, C., L. Bordley, D. Stephens, J. Petrolino, J. Kelfer (2012) *Wireless Roadside Inspection of Commercial Motor Vehicles, Pilot Test of Technical System Performance*. Transportation Research Record: Journal of the Transportation Research Board 2281 pg. 109-118.
58. Cherry, C., A. Adalakun (2012) *Truck Driver Perceptions and Preferences: Congestion and Conflict, Managed Lanes, and Tolls*. Transport Policy 24 pg 1-9.
59. Ji, S., C. Cherry, M. Bechle, Y. Wu, J. Marshall (2012) *Electric Vehicles in China, Emissions and Health Impacts*. Environmental Science and Technology. 46(4) pg. 2018-2024.
60. Langford, B.C., C. Cherry (2012) *Transitioning a Bus Transit Fleet to Hydrogen Fuel: A Case Study of Knoxville Area Transit*. International Journal of Hydrogen Energy 37(3) pg. 2635-2643.
61. Gottesfeld, P., C. Cherry (2011) *Lead emissions from solar photovoltaic energy systems in China and India*. Energy Policy. 39(9). Pg 4939-4946.
62. Cherry, C., M. He (2010) *Alternative Methods of Measuring Operating Speed of Electric and Traditional Bikes in China-Implications for Travel Demand Models*. Journal of the Eastern Asia Society for Transportation Studies. 8. pg 1424-1436.
63. Cherry, C., P. Gottesfeld (2009) *Plans to distribute the next billion computers by 2015 creates lead pollution risk*. Journal of Cleaner Production. 17(18) pg 1620-1628.
64. Cherry, C., J. Weinert, X.M. Yang (2009) *Comparative Environmental Impacts of Electric Bikes in China*. Transportation Research Part D. 14(5) pg 281-290.
65. Cherry, C., M. Wachs, A. Loukatou-Sideris (2008) *Subway station design and management: Lessons from case studies of contemporary terrorist incidents*. Journal of Architectural and Planning Research. 25(1) pg 76-90.
66. Weinert, J.X., C.T. Ma, X.M. Yang, C. Cherry (2007) *The Transition to Electric Bikes in China: Effect on Travel Behavior, Mode Shift, and User Safety Perceptions in a Medium-Sized City*. Transportation Research Record. Journal of the Transportation Research Board 2038 pg 62-68.
67. Cherry, C., R. Cervero (2007) *Use Characteristics and Mode Choice Behavior of Electric Bike Users in China*. Transport Policy. 14(3) pg 247-257.
68. Weinert, J., C.T. Ma, C. Cherry (2007) *The Transition to Electric Bikes in China: History And Key Reasons For Rapid Growth*. Transportation. 34(3) pg 301-318.
69. Deakin, E., C. Cherry et al. (2006) *System Plan for California's Bay Area Regional Express Bus Service*. Transportation Research Record. Journal of the Transportation Research Board 1986.

70. Cherry, C., E. Deakin, S.B. Huey, N. Higgins (2006) *Systems-Level Approach to Sustainable Urban Arterial Revitalization: Case Study of San Pablo Avenue*. Transportation Research Record. Journal of the Transportation Research Board 1977 pg 206-213.
71. Cherry, C., M. Hickman, A. Garg (2006) *Design of a Map Based Transit Itinerary Planner*. Journal of Public Transportation. 9(2) pg 45-68.
72. Cherry, C. (2005) *Development of Duration Models to Determine Rolling Stock Fleet Size*. Journal of Public Transportation. 8(3) pg 57-70.
73. Cherry, C., E. Tang, E. Deakin, A. Skabardonis (2005) *Analysis of Freeway Improvements for Express Bus Service*. Transportation Research Record. Journal of the Transportation Research Board 1925 pg 257-264.

Technical Magazine Articles

1. Rose, G., C. Cherry (2012) *Regulating Emerging Light Electric Vehicles to Enhance Urban Transportation System Sustainability*. TR News Magazine. 280 pg. 33.
2. Cherry, C. (2010) *Electric Two-wheelers in China: Promise, Progress and Potential*. ACCESS Magazine. 37 pg 17-24.

Book Chapters

1. Cherry, C., E. Fishman (2020) *E-bikes in Europe and North America*. In The future of urban cycling. Editors R. Buehler and J. Pucher. MIT Press. (in press)
2. Cherry, C. (2010) *Clarifying the Debate On Electric Two-Wheelers In China*. In Electric Vehicles: Technology, Research and Development. ISBN: 978-1-60741-142-0. Editor G. Raines. NOVA Publishers.

Peer Reviewed Conference Proceedings/Abstracts

1. Ziedan, A., N. Shah, Y. Wen, C. Brakewood, C. Cherry (2021) *Impacts of Shared Electric Scooters on Bus Ridership in Nashville, Tennessee*. Accepted for presentation in Transportation Research Board 100th Annual Meeting, Washington, D.C., 2021.
2. Shah, N., C. Cherry (2021). *Infrequent Bicyclists Have A Different Safety Perception Than Frequent Bicyclists: Findings from Revealed Preference Study Using Bikeshare Data*. Accepted for presentation in Transportation Research Board 100th Annual Meeting, Washington, D.C., 2021.
3. Hezaveh, A., C. Cherry, C. Brakewood (2021) *Traveler-Involved Traffic Crashes As A Negative Externality Of Tourism Industry*. Accepted for presentation in Transportation Research Board 100th Annual Meeting, Washington, D.C., 2021.
4. Ling, Z., C. Cherry, Wen, Y. *Attracting Conventional Drivers to Electric Vehicles in China's Developing Car Market*. Accepted for presentation in Transportation Research Board 100th Annual Meeting, Washington, D.C., 2021.
5. Shah, N. R., Guo, J., Han, L.D., Cherry, C. R., *Why do people take e-scooter trips? Big Data and Unsupervised Machine Learning insights on temporal and spatial usage patterns*. Accepted for presentation in Transportation Research Board 100th Annual Meeting for presentation, Washington, D.C., 2021.
6. Wen, Y., C. Cherry, S. Aryal (2020) *Sustainability Analysis of Shared Micromobility in Knoxville, Tennessee*. North American Bike Share Association Annual Meeting. September 30, 2020.
7. Shah, N., Wen, Y., Cherry C. *Revealing the hidden patterns of the e-scooter trips through a big data approach*. Accepted to National Travel Monitoring Exposition and Conference 2020. Raleigh, NC. (postponed due to COVID)
8. Shah, N., Aryal, S., Wen, Y., Cherry C. *Are scooter-car crashes different from bicycle-car crashes?* Accepted to International Cycling Safety Conference 2020. Lund, Sweden.
9. Azad, M., C. Cherry, J. MacArthur, W. Rose (2020) *Exploring the Characteristics of Light Electric Vehicles Performance in Urban Logistics*. Transportation Research Board Annual Meeting. Washington D.C. January 12-15, 2020.
10. Wen, Y., He, K., Azad, M., Cherry, C. (2019). *Use-phase Sustainability Impacts of Dockless Bike Share and Other Shared Mobilities*. Tennessee Sustainable Transportation Forum and Expo. Knoxville, Tennessee.
11. Wen, Y., Azad, M., Cherry, C. (2019). *Rethinking Parking on College Campuses: What have University Parking Policies Taught us regarding Minimizing Parking Impacts on Land Use?* Philosophy of the City Conference. Detroit, Michigan.
12. Wen, Y., Cherry, C., Bassett Jr, D. Thorsen, T., Zhang, S., Weinhandl, J., Brakewood, C., Morse, J. (2019). *Evaluating the Physical Activity Impacts of Riding Electric Kick Scooters*. Conference on Health and Active Transportation. December 3, 2019. Washington D.C.

13. Wen, Y., Shah, N., Cherry, C. (2019). *Infrastructure Challenges for designing Roads for small wheel Transportation such as Electric Scooters: A Complete Streets Perspective*. International Cycling Safety Conference. November 18-20, 2019. Brisbane, Queensland, Australia.
14. N. Shah, M. Azad, Cherry C. (2019). *Linking traditional crash data, bikeshare data, and social media to create a new picture of cycling safety*. International Cycling Safety Conference. November 18-20, 2019. Brisbane, Queensland, Australia.
15. Azad, M., Shah, N., Cherry, C. (2019) *How e-bike trips are different from conventional bicycles trips? A comparative route choice study for Birmingham, Alabama*, International Cycling Safety Conference, November 18-20, 2019. Brisbane, Australia.
16. Ling, Z., Cherry, C., Wen, Y. (2019). *Making the Shift: Attracting Conventional Drivers to Electric Vehicles in China's Developing Car Market*. Conference on Transportation, Economics, Energy and the Environment (TE3). October 18, 2019. Ann Arbor, Michigan, United States of America.
17. Wen, Y., Cherry, C., Darling, W., Shah, N. (2019). *Material Inventory of a Commercially-used Shared Electric Kick Scooters: A Key Step towards the Understanding of the Overall Environmental Footprint of Shared Micro-mobility Devices*. LCA XIX Conference. September 23-25, 2019. Tucson, Arizona.
18. Shiue, K. R. Naumann, A. Hezaveh, S. Marshall, C. Cherry (2019). *Understanding Opioid Use and Motor Vehicle Crash Injury: Evaluating the Current Landscape and Linkage Potential of Prescription Drug Monitoring Program and Crash Databases*. Opioid Misuse & Overdose Prevention Summit. Raleigh, NC. June 11-12, 2019
19. Azad, M., L. Han, C. Cherry (2019) *Effects of smartphone augmented reality games on travel behavior and safety; a study of Pokémon GO*. Active Living Research Conference, Charleston SC. February 17-19, 2019.
20. Hezaveh, A.M., C. Cherry (2019) *Likelihood of Involvement in Traffic Crashes: Introducing Home-Based Approach*. Washington D.C. January 13-17, 2019.
21. Merlin, L., C. Cherry, A.M. Hezaveh, E. Dumbaugh (2019) *Residential Accessibility's Relationships with Crash Rates per Capita*. 98th Annual Meeting of the Transportation Research Board. Washington D.C. January 13-17, 2019.
22. Azad, M., N. Hoseinzadeh, C. Brakewood, L. Han, C. Cherry (2019) *A Literature Review on Fully Autonomous Buses*. 98th Annual Meeting of the Transportation Research Board Washington D.C. January 13-17, 2019.
23. Hezaveh, A.M., J. Everett, T. Nordfjarn, C. Cherry (2019) *Considering spatial heterogeneity and time of day self-reported seat belt use*. 98th Annual Meeting of the Transportation Research Board Washington D.C. January 13-17, 2019.
24. Hezaveh, A.M., C. Cherry (2018) *Comprehensive cost of traffic crashes at a zonal level*. 98th Annual Meeting of the Transportation Research Board, Washington D.C. January 7-11, 2018.
25. Zhang, Y., H. Qi, H. Li, C. Cherry, L. Han (2018) *Scheduling for timely passenger delivery in a large scale ride sharing system*. 97th Annual Meeting of the Transportation Research Board. Washington D.C. January 7-11, 2018.
26. Hezaveh, A.M., M. Azad, C. Cherry (2018) *Pedestrian Crashes in Tennessee: A Data Mining Approach*. 97th Annual Meeting of the Transportation Research Board. Washington D.C. January 7-11, 2018.
27. Weber, J., M. Azad, W. Riggs, C. Cherry (2018) *The convergence of smartphone apps and competition to increase cycling*. 97th Annual Meeting of the Transportation Research Board. Washington D.C. January 7-11, 2018.
28. Yang, H., F. Su, X. Liu, C. Cherry, Y. Liu (2018) *Motivational factors underlying e-bike users' intention to run the red light*. 97th Annual Meeting of the Transportation Research Board. Washington D.C. January 7-11, 2018.
29. Jordan, S., S. Mishra, M. Golias, T. Welch, C. Cherry (2018) *Equity Metrics for Public Transit: Case Studies in Tennessee*. 97th Annual Meeting of the Transportation Research Board. Washington D.C. January 7-11, 2018.
30. Hezaveh, A.M., C. Cherry, O. Grembek, L. Merlin, L. Sandt (2017) *Better data integration to create a complete picture for cycling safety*. International Cycling Safety Conference. Davis CA. Sept 21-22, 2017
31. Cherry, C., J. MacArthur (2017) *Are E-bikes Unsafe? A review of European and North American Studies*. International Cycling Safety Conference. Davis CA. Sept 21-22, 2017.

32. Ling, Z., C. Cherry, N. Dhakal (2017) *Avoiding Railroad Crossing Hazards to Cyclists*. International Cycling Safety Conference. Davis CA. Sept 21-22, 2017
33. Azad, M., C. Cherry (2017) Do e-bikes matter for bikeshare safety? Early evidence from Baltimore Bikeshare system. International Cycling Safety Conference. Davis CA. Sept 21-22, 2017
34. Abdelqader, D., C. Cherry, S. Nambisan (2017) *A Transit-oriented Framework for Pedestrian Infrastructure Prioritization*. 96th Annual Meeting of the Transportation Research Board. Washington D.C. January 8-12, 2017.
35. Appleyard, B., S. Ryan, R. Schneider, O. Grembek, C. Cherry, S. Nambisan. (2017) *A National Research Agenda for Bicycle and Pedestrian Safety*. 96th Annual Meeting of the Transportation Research Board. Washington D.C. January 8-12, 2017.
36. Langford, B.C., C. Cherry, D. Bassett, E. Fitzhugh, N. Dhakal (2017) *Comparison of Walking, Conventional Bicycles, and Pedal Assist Electric Bikes: Effects on Physical Activity and Travel Time*. The 96th Annual Meeting of the Transportation Research Board. Washington D.C. January 8-12, 2017.
37. Ling, Z., C. Cherry, J. MacArthur, J. Weinert (2017) *Differences between cycling experiences and perceptions between e-bike and bicycle users in the United States*. The 96th Annual Meeting of the Transportation Research Board. Washington D.C. January 8-12, 2017.
38. Boggs, A., C. Cherry, N. Franceschetti, Z. Ling, S. Nambisan (2017) *Truck parking facilities and ramp parking: role of supply, demand, and ramp characteristics*. The 96th Annual Meeting of the Transportation Research Board. Washington D.C. January 8-12, 2017.
39. Dhakal, N., C. Cherry, Z. Ling (2016) *Big data brings new insights in bicycle safety analysis: An application of CyclePhilly data to assess wrong-way riding*. University Transportation Center Spotlight Conference. Washington DC. December 1-2, 2016.
40. Cherry, C., J. MacArthur, J. (2016) *E-bikes and safety: a review of the foundational empirical studies*. University Transportation Center Spotlight Conference. Washington DC. December 1-2, 2016.
41. M. Lommele, (2016) *Electrifying Your Ride: Is Technology the Solution to Getting More People Biking?* ProWalk ProBike ProPlace. Vancouver Canada September 13-14, 2016.
42. Lim, H., G. Williams, D. Abdelqader, J. Amagliani, Z. Ling, D. Priester, C. Cherry (2016) *An alternative Approach for Forecasting Parking Volumes*. 14th World Conference on Transportation Research, Shanghai, 2016 Transportation Research Procedia. Volume 25, 2017, Pages 4171-4184.
43. Yoon, T., C. Cherry (2016) Investigating the feasibility of electric vehicle carsharing: A case study of Beijing, China. 14th World Conference on Transportation Research, Shanghai, 2016
44. Yang, X., J. Day, B.C. Langford, C. Cherry, L. Jones, S. Han (2016) *Stated versus revealed residential location choices in response to job resettlement to new towns: a case study of Kunming, China*. World Conference on Transport Research. Shanghai July 10-15, 2016.
45. Cherry, C., Z. Ling, H. Yang, L. Jones (2016) E-bike ownership and factors influencing motorization of e-bike users –A series of studies in China. Workshop on Electric Bike Commuting. Ghent Belgium June 9-10, 2016
46. Cherry, C., Z. Ling, J. MacArthur (2016) Consumer attitude toward e-bikes: a review of three studies in North America. Workshop on Electric Bike Commuting. Ghent Belgium June 9-10, 2016
47. Autry, C., W. Rose, J. Bell, C. Cherry (2016) *Urban Maneuverability and Redundancy: How infrastructure constrains and enables urban logistics performance*. Production and Operations Management Society Annual Conference. Orlando FL May 6-9, 2016.
48. Yoon, T. C. Cherry, M. Ryerson, J. Bell (2016) *Migrating towards Using Electric Vehicle on Campus-Proposed Method for Fleet Optimization*. The 95th Annual Meeting of the Transportation Research Board. Washington D.C.
49. Ling, Z., C. Cherry, W. Lawhorn, D. Stone (2015) *Study on Dynamic Factors on Single-Bicycle Crash Caused by Railway Tracks*. 2015 Road Safety & Simulation International Conference, Orlando FL. October 6-8, 2015.
50. Langford, B.C., C. Cherry, E. Fitzhugh (2015) *Energy demand of walkers and riders of electric-assist bicycles and traditional bicycles*. Moving Active Transportation to Higher Ground. April 13-15, 2015. Washington D.C.
51. Lim, H., G. Williams, D. Abdelqader, J. Amagliani, Z. Ling, D. Priester, C. Cherry (2015) *An alternative approach to parking demand forecast modeling: a case study of downtown Knoxville*. The 94th Annual Meeting of the Transportation Research Board. Washington D.C.
52. Yang, H., C. Cherry, R. Zaretski, M. Ryerson (2015) *Rural-to-urban intercity deviated fixed-route design: application in Tennessee*. The 94th Annual Meeting of the Transportation Research Board. Washington D.C.

53. Langford, B., J. Chen, C. Cherry (2015) *Comparing safety-related riding behaviors on bicycles and electric bicycles*. The 94th Annual Meeting of the Transportation Research Board. Washington D.C.
54. Yoon, T., C. Cherry (2015) *EV (Electric Vehicle) Fleet Size and Composition Optimization based on demand satisfaction and total costs minimization*. EVS 28. Goyang Korea.
55. Yoon, T., C. Cherry (2015) *EV (Electric Vehicle) Sharing Demand Estimation -A Case Study of Beijing, China*. EVS 28. Goyang Korea.
56. Ling, Z., Y. Ni, C. Cherry, K. Li (2014) *Pedestrian Level of Service at Signalized Intersections in China Using Contingent Field Survey and Pedestrian Crossing Video Simulation*. The 93rd Annual Meeting of the Transportation Research Board, Washington, D.C., 2014.
57. Chimba, D., D. Emaasit, C. Cherry, Z. Pannell (2014) *Patterning Demographic and Socioeconomic Characteristics Affecting Pedestrian and Bicycle Crash Frequency*. The 93rd Annual Meeting of the Transportation Research Board. Washington D.C.
58. Langford, B.C., C. Cherry, T. Yoon, J. Chen (2013) *Evaluating user safety on electric and regular bikes using observed behaviors*. Bicycle Urbanism Symposium, Seattle WA. June 19-22, 2013.
59. Yang, H., C. Cherry (2012) *Conflict Analysis and Crash Severity Estimation of Four Transportation Modes in China*. The 92nd Annual Meeting of the Transportation Research Board. Washington D.C. January 13-17, 2013.
60. Emaasit, D., D. Chimba, C. Cherry, J. Wilson, B. Kutela (2013) *A Methodology to Identify Factors associated with Pedestrian High Crash Clusters Using GIS Based Local Spatial Autocorrelation*. The 92nd Annual Meeting of the Transportation Research Board. Washington D.C. January 13-17, 2013.
61. Cherry, C., H. Yang, L. Jones, M. He, S. Ji (2012) *Dynamics of electric vehicle use in China and impacts on health*. Better Air Quality. Hong Kong December 5-7, 2012.
62. Langford, B.C., T. Yoon, C. Cherry. *Electric bike sharing: Observations from the first nine months of a university pilot test*. Velo City 2012 Vancouver, BC. June 26-29, 2012.
63. Wolff, D.L., E. Fitzhugh, D. Bassett, C. Cherry (2012) *Characteristics of individuals perceiving weather as a barrier to outdoor physical activity*. 59th Annual Meeting of the American College of Sports Medicine. Denver, CO. May 29-June 2, 2012.
64. Cherry, C., L. Bordley, D. Stephens, J. Petrolino, J. Kelfer (2012) *Commercial Motor Vehicle Wireless Roadside Inspection Pilot Test Part B: Stakeholder Perceptions*. The 91st Annual Meeting of the Transportation Research Board. Washington D.C. January 22-26, 2012.
65. Lu, W., L. Han, C. Cherry (2011) *Performance Analysis of Vehicular Ad hoc Networks in Taxi Systems*. 18th World Congress on Intelligent Transportation Systems. Orlando, FL. October 16-20, 2011.
66. Wolff, D.L., E. Fitzhugh, D. Bassett, C. Cherry (2011) *The Relationship Between Greenway Siting, Active Transport Access And Types Of Users*. 58th Annual Meeting of the American College of Sports Medicine. Denver, CO. May 31-June 4, 2011.
67. Langford, B.C., C. Cherry (2011) *Supporting the Transition to a Full Hydrogen Bus Fleet: A Case Study of Knoxville Area Transit*. The 90th Annual Meeting of the Transportation Research Board. Washington D.C. January 23-27, 2011.
68. Cherry, C., S. Worley, D. Jordan (2011) *Electric Bike Sharing—System Requirements and Operational Concepts*. The 90th Annual Meeting of the Transportation Research Board. Washington D.C. January 23-27, 2011.
69. Cherry, C., S. Worley, D. Jordan (2010) *Sharing Electric Bikes-Proof of Concept on UT-Knoxville Campus*. Pro Walk Pro Bike Conference, Chattanooga, TN. Sept 14-16, 2010.
70. Moore, S.E., C. Cherry (2010) *Characterizing Illegal Mid-Block Pedestrian Crossings in China*. Vulnerable Road Users Conference, Jerusalem, Israel. May 29-June 2, 2010.
71. Hill, T.Q., C. Cherry (2010) *Strategies to Reduce Intersection Conflicts Between Automobiles and Bikes in China*. Vulnerable Road Users Conference, Jerusalem, Israel. May 29-June 2, 2010.
72. Gottesfeld, P., C. Cherry (2010) *Lead Battery Manufacturing Certification in the Developing World: Applying BEST Standards in India and Vietnam*. NCIIA 14th Annual Conference. San Francisco, CA. March 25-27, 2010.

73. Ji, S., C. Cherry, J. Marshall (2009) *Intake fraction of electric vehicle and traditional motorized vehicle in China*. Professional Association for China's Environment (PACE) 2009 Summer Camp. Kunming, Yunnan China. July 12-15, 2009
74. Cherry, C., L. Jones, J. Xiong (2009) *E-Bike Use in China: Patterns, Dynamics, Determinants, and Environmental Impacts*. Professional Association for China's Environment (PACE) 2009 Summer Camp. Kunming, Yunnan China. July 12-15, 2009
75. Jones, L., C. Cherry (2009) *Assessing the Demand For E-Scooters in Hanoi, Vietnam: Can Technological Improvements and Sales Tax Incentives Stimulate Adoption?* International Transport Economics Conference. Minneapolis MN. June 15-16, 2009.
76. Adalakun, A., C. Cherry (2009) *Exploring Truck Driver Perceptions and Preferences: Congestion and Conflict, Managed Lanes, and Tolls*. The 88th Annual Meeting of the Transportation Research Board. Washington D.C. January 11-15, 2009.
77. Cherry, C., J.X. Weinert, X.M. Yang (2008) *Electric Bikes in China-Impact on the Environment and Prospects for Future Growth*. Better Air Quality 2008. Bangkok Thailand. November 12-14, 2008. Invited
78. Cherry, C. (2008) *Can electric bikes provide sustainable transportation solutions to Chinese cities? An investigation of impacts on the transportation system*. Symposium on Transportation and Development Innovative Best Practices. ASCE TD&I. Beijing, China. April 24-26, 2008.
79. Cherry, C. (2007) *The Costs and Benefits of Electric Bike Use in China*. The 11th World Conference on Transport Research. Berkeley, CA June 24-28, 2007
80. Weinert, J.X., Z.D. Ma, X.M. Yang, C. Cherry (2007) *The Transition to Electric Bikes in China: Effect on Travel Behavior, Mode Shift and User Safety Perceptions in a Medium-Sized City*. The 86th Annual Meeting of the Transportation Research Board. Washington D.C. CD-ROM
81. Cherry, C., J.X. Weinert, C.T. Ma (2006) *The Environmental Impacts of E-bikes in Chinese Cities*. Better Air Quality 2006. Yogyakarta, Indonesia. December 13-15, 2006
82. Weinert, J., C.T. Ma, C. Cherry (2006) *The Transition to Electric Bikes in China: History and Key Reasons for Rapid Growth*. EVS22-The 22nd International Battery, Hybrid and Fuel Cell Electric Vehicle Symposium and Exhibition. Yokohama, Japan. October 23-28, 2006
83. Deakin, E., C. Cherry et al. (2006) *System Plan for Bay Area Regional Express Bus Service*. The 85th Annual Meeting of the Transportation Research Board. Washington D.C. CD-ROM
84. Cherry, C., E. Deakin, S.B. Huey, N. Higgins (2006) *Toward a Systems Level Approach to Sustainable Urban Arterial Revitalization: A Case Study of San Pablo Avenue*. The 85th Annual Meeting of the Transportation Research Board. Washington D.C. CD-ROM
85. Cherry, C., E. Tang, E. Deakin, A. Skabardonis (2005) *Analysis of Freeway Improvements for Express Bus Service*. The 84th Annual Meeting of the Transportation Research Board. Washington D.C. CD-ROM
86. Cherry, C. (2005) *Subway Station Design: Lessons learned from Case Studies of Contemporary Terrorism Incidents*. The Dwight David Eisenhower Transportation Fellowship Program Showcase Presentation at the 84th Annual Meeting of the Transportation Research Board.
87. Cherry, C., A. Garg, M. Hickman (2004) *Development of a Map-Based Transit Itinerary Planner*. The 83rd Annual Meeting of the Transportation Research Board. Washington D.C. CD-ROM
88. Cherry, C., A. Garg, M. Hickman (2003) *Map Based Transit Itinerary Planning*. GIS for Transportation Symposium. Colorado Springs, CO.
89. Cherry, C. (2001) *Historical Significance of Present Transportation Issues*. ITE District 6 Annual Meeting. Albuquerque, NM-Compendium of Technical Papers. CD-ROM.

Technical Reports

1. Wen, Y. C. Cherry (2020) *Shared Micromobility Sustainability Implications*. Report to the University of Tennessee Sustainability Office. September 2020
2. Shah, N., C. Cherry, C. Brakewood, F. Proulx (2020). *Bicycle and Pedestrian Counting: Best Methodologies Assessment*. Report to Tennessee Department of Transportation. September 2020
3. Shah, N., C. Cherry, C. Brakewood, F. Proulx (2020). *Bicycle and Pedestrian Count Program Guidance Manual*. Report to Tennessee Department of Transportation. September 2020

4. Cherry, C. R., Azad, M., MacArthur, J., & Rose, W., *Alternative Vehicles for Last Mile Freight*. Report to Tennessee Department of Transportation. April 2020
5. Wen, Y., C. Cherry (2020) *Shared Micromobility Recommended Policies*. Report to the University of Tennessee Sustainability Office. March 2020
6. Cherry, C., J. MacArthur (2019) E-bike safety. *A review of Empirical European and North American Studies*. People for Bikes White Paper. October 2019.
7. McQueen, M., J. MacArthur, C. Cherry (2019) *How E-Bike Incentive Programs are Used to Expand the Market*. NITC White Paper May 2019
8. McQueen, M., J. MacArthur, C. Cherry (2019) *The E-Bike Potential: Estimating the Effect of E-bikes On Person Miles Travelled and Greenhouse Gas Emissions*. NITC White Paper May 2019
9. Cherry, C., A.M. Hezaveh, M. Noltenius, A. Khattak, L. Merlin, E. Dumbaugh, D. Ragland, L. Sandt. (2018) *Completing the Picture of Traffic Injuries: Understanding Data Needs and Opportunities for Road Safety*. Collaborative Science Center for Road Safety. April 30, 2018.
10. MacArthur, J., M. Harpool, D. Scheppke, C. Cherry (2018) *A North American Survey of Electric Bicycle Owners*. National Institute of Transportation and Communities. NITC-RR-1041.
11. Cherry, C., A. Boggs, N. Franceschetti, Z. Ling, S. Nambisan (2017) *Truck Parking Facilities and Ramp Parking: Role of Supply, Demand, and Ramp Characteristics*. Tennessee Department of Transportation.
12. Mishra, S., C. Cherry, M. Goliias, Z. Sultana, S. Tabrizzadeh (2016) *Assessment of Mobility and Transit Access to Captive Riders in Suburban and Rural Areas*. Tennessee Department of Transportation.
13. Cherry, C., M. Burton, H. McCracken (2016) *Economic Impacts of Aviation Activity in Tennessee*. Tennessee Department of Transportation.
14. Cherry, C., D. Chimba, D. Emaasit, Z. Pannell (2014) *Statewide Pedestrian and Bicyclist Safety Analysis and Safety Investment Policy*. Tennessee Department of Transportation
15. Cherry, C., B.C. Langford (2013) *Planning for Electric Vehicles: Review of Clean Cities' Electric Vehicle Community Readiness Projects*. Howard H. Baker Jr. Center for Public Policy. University of Tennessee. White Paper 5.13.
16. Cherry, C., H. Yang, F. Wegmann, J. Everett (2012) *Tennessee Rural to Urban Transit Service Study*. Tennessee Department of Transportation.
17. Cherry, C., L. Bordley, J. Kelfer, C. Bryant, S. Ji (2011) *Wireless Roadside Inspection Phase II Evaluation Report*. Federal Motor Carrier Safety Administration and Research and Innovative Technology Administration.
18. Langford, B.C., C. Cherry (2011) *East Tennessee Hydrogen Initiative Task 2: Transition of Bus Transit to Hydrogen - A Case Study of a Medium Sized Transit Agency*. Federal Transit Administration. FTA-TN-26-7033-2011.2
19. Cherry, C., S. Ji, J. Marshall, Y. Wu (2010) *Emissions and Public Health from Electric Vehicles in China*. Energy Foundation China Report.
20. Cherry, C., L. Jones (2010) *Electric Two-wheelers in India and Vietnam-Market Analysis and Environmental Impacts*. Asian Development Bank Report. RPT091118.
21. Shah, J., N.V. Ayer, C. Cherry (2009) *Two and Three Wheelers in Sustainable Transport: A Sourcebook for Policy-makers in Developing Cities*. Gesellschaft für Technische Zusammenarbeit (GTZ)-German Technological Cooperation. Module 4c.
22. Cherry, C., J.X. Weinert, X.M. Yang (2009) *Electric Bikes in the People's Republic of China-Impact on the Environment and Prospects for Future Growth*. Asian Development Bank Report. RPT090040.
23. Jones, L., P. Gottesfeld, C. Cherry (2008) *Policy Options for Developing a Lead Battery Take-Back System for Vietnam*. Vietnam Environmental Protection Agency Policy Paper.
24. Cherry, C. (2007) *Electric Bike Use in China and Their Impacts on Environment, Safety, Mobility and Accessibility*. ITS Working Paper UCB-ITS-VWP-2007-3.
25. Cherry, C., J. Weinert, C.T. Ma (2007) *The Environmental Impacts of Electric Bikes in Chinese Cities*. ITS Working Paper UCB-ITS-VWP-2007-2.
26. Cherry, C., R. Cervero (2006) *Use Characteristics and Mode Choice Behavior of Electric Bikes in China*. ITS Working Paper UCB-ITS-VWP-2006-5.

27. Taylor, B., A. Loukaitou-Sideris, R. Liggett, C. Fink, M. Wachs, E. Cavanagh, C. Cherry, P. Haas (2006) *Designing and Operating Safe and Secure Transit Systems: Assessing Current Practices in the U.S. and Abroad*. Mineta Transportation Institute. San Jose State University. MTI 04-05.
28. Cherry, C. (2005) *China's Urban Transportation System: Issues and Policies Facing Cities*. UC Berkeley Center for Future Urban Transport. ITS Working Paper UCB-ITS-VWP-2005-4.
29. Deakin, E., K. Armstrong, C. Cherry, J. Day, C. McAndrews, L. Mejias, J. Rubin, J. Stagi, T. Valentin (2005) *Revitalization and Integrated Traffic Management Along a Multimodal Urban Arterial: A Plan for the San Pablo Corridor that Promotes Prosperity, Environmental Protection, and A Higher Quality of Life*. The Environmental Protection Agency P3 Student Award Competition. Project Number SU831 G4S20398
30. Cherry, C., E. Tang, E. Deakin, A. Skabardonis (2005) *Analysis of Freeway Improvements for Express Bus Service*. Chapter 4.2 Regional Express Bus Plan for the Bay Area. Caltrans D4.
31. Higgins, N., E. Tang, C. Cherry, S.B. Huey, E. Deakin, A. Skabardonis (2005) *Optimizing Transit Priority on a High Volume Arterial: A Case Study of San Pablo Avenue*. Chapter 4.3 Regional Express Bus Plan for the Bay Area. Caltrans D4.

Presentations (not listed above)

1. *Safety data limitation and opportunity for micromobility*. Consumer Product Safety Commission Micromobility Forum. September 15, 2020
2. *Standards in the World of New Mobility*. Co-presented with J. Macarthur, R. Yee. Consumer Product Safety Commission Micromobility Forum. September 15, 2020
3. *Safety data for micromobility*. Traffic Records Forum. Nashville, TN. August 10, 2020.
4. *Safety data limitations and opportunity for Vision Zero*. Walk Bike Nashville Vision Zero, A Data Driven Approach Webinar. July 28, 2020.
5. *Safety data limitation and opportunity for micromobility*. National Transportation Safety Board Micromobility Safety Data Meeting. July 23, 2020.
6. *Standards in the World of New Mobility*. Co-presented with J. Macarthur, R. Yee, and A. Chang. SAE and Mobility on Demand Alliance Webinar. July 23, 2020.
7. *Policy Approaches to e-bikes and other micromobility*. Smart Sustainable Mobility and Cycling Webinar. School of Planning and Architecture, Bhopal India. May 25, 2020.
8. Keynote: *Trends and innovative research in cycling safety*. International Cycling Safety Conference. November 18-20, 2019. Brisbane, Queensland, Australia.
9. *Vehicle Standards for Micromobility*. Safe Micromobility International Transport Forum Workshop. Lisbon, Portugal. October 18, 2019
10. *Workshop: Emerging Technologies for Micro-mobility: What do we know, what do we not know, and what do we do?* Workshop organized at the ITE International Meeting, Austin TX. July 24, 2019 (co-organized with Laura Sandt)
11. *Dialogue and Action on Improving Safety for Scooter Riders*. Bird Safety Roundtable Series. New York City (June 21, 2019, San Francisco (Sept 3, 2019), Atlanta (Sept 21, 2019), Washington DC (Oct 28, 2019), Los Angeles (Mar 4, 2020).
12. *E-bikes: The future of urban mobility*. Keynote Go Bike MTL Festival. Montreal Quebec. May 30, 2019.
13. *Infrastructure needs fixing and now: How can Knoxville work toward some fast fixes*. Active Knoxville Seminar Series. Knoxville TN. May 23, 2019
14. *Electric Scooters: Making Friends, Not Foes*. 20th Annual League of American Bicyclists National Bike Summit. Arlington, Virginia, United States of America. Mar 11, 2019.
15. *Rideables and the Inexperienced Traveler*. Coffee and Conversation Seminar Series. University of North Carolina, Chapel Hill. Chapel Hill, North Carolina, United States of America. April 2, 2019.
16. *Micromobility is the Future?* University of Tennessee Freshmen Honors Program April 17, 2019, Knoxville TN.

17. *Workshop: What's That on the Sidewalk?: Safety Issues, Mobility Benefits, and Policy Issues of Emerging Transportation Devices*. Workshop organized at the Transportation Research Board Annual Meeting (With John MacArthur), Washington DC. January 13, 2019.
18. *Knoxville's early experiments with tactical urbanism*. Active Knox Seminar Series, Knoxville, TN. November 27, 2018.
19. *What We Know and Don't Know About E-scooters and other Emerging Transportation Modes*. Coffee and Conversation Seminar Series. University of North Carolina, Chapel Hill. Chapel Hill, North Carolina, United States of America. Nov 5, 2018.
20. *Do e-bikes belong in a city? Evidence-base for answers to FAQs*. Interbike Bosch Electric Theater. Reno NV. Sept 20, 2019.
21. *New Probe Data Sources to Measure Cycling Behavior and Safety*. University of Queensland. May 15, 2018.
22. *New Probe Data Sources to Measure Cycling Behavior and Safety*. Monash University, Institute of Transport Studies. April 18, 2018.
23. *Light Electric Vehicles: Asian and North American experiences*. Africa Clean Mobility Week, UNEP. Nairobi Kenya. March 12-16, 2018. (invited).
24. *New Probe Data Sources to Measure Cycling Behavior and Safety*. Queensland University of Science and Technology CARRS-Q March 6, 2018.
25. *The results from the national e-bike user survey*. Bicycle Product Supplier Association E-bike Summit. December 14, 2017. (invited)
26. *New Probe Data Sources to Measure Cycling Behavior and Safety*. Portland State University TREC Seminar. Portland OR. December 1, 2017. (invited).
27. *E-bikes and their role in shared and connected mobility*. Korean Research Institute for Human Settlements Workshop. Seoul South Korea. October 12, 2017. (invited)
28. *The Latest Electrifying Research on eBikes and their Health and Transportation Impacts*. Interbike Electric Theater. Las Vegas, NV. September 20, 2017. (invited)
29. *China's Motorization Wave and the Place of Emerging Technologies*. Portland State University TREC Seminar. Portland OR. June 2, 2017. (invited)
30. *Keynote: E-bikes and motorization – The importance of new technology and behavior on safety*. International Symposium on Frontiers of Road and Airport Engineering (iFRAE). Shanghai, China May 26-28, 2017. (invited)
31. *FHWA National Transportation Policy Symposium, Access to Smart City Transportation*. Washington DC. January 12, 2017. (invited panelist)
32. *The role of LEVER to generate electric bike research*. Bicycle Product Supplier Association E-bike Summit. December 7, 2016. (invited)
33. *Traditional and Emerging Approaches for Pedestrian and Bicycle Safety and Mobility*. USDOT OST-R Transportation Innovation Speaker Series. Washington DC. October 19, 2016. With Shashi Nambisan
34. *"E-bikes" in China and E-bikes in North America*. Keynote Light Electric Vehicle Symposium. Barcelona, Spain. September 20-21, 2016. (invited)
35. *Transportation Research in Developing Countries – A World of Contrasts and Opportunities*. 2016 UTC Conference for the Southeast Region. Knoxville, Tennessee. May 31, 2016.
36. *China's mobility path: disruptive technologies and their sustainability impacts*. UC Davis Sustainable Transportation Energy Pathways (STEPS) Seminar. Knoxville TN. April 26, 2016. (invited)
37. *China's mobility path: disruptive technologies and their sustainability impacts*. Lawrence Berkeley National Lab China Energy Seminar. April 27, 2016. Berkeley, CA (invited)
38. *Electric Bikes: Opportunities and Policy Challenges*. Shared Mobility Summit. Chicago IL, Sept 28-30, 2015. (invited)
39. *The role of electric two-wheelers in sustainable mobility*. Transportation Seminar. Tecnológico de Monterrey-León. León, Mexico. September 24, 2015 (invited)
40. *The role of electric two-wheelers in sustainable mobility in China and North America* Seoul Institute Seminar, Seoul South Korea, May 6, 2015. (invited)
41. ~~Cross~~ *Design with Care (or The RR XING Smackdown)*. Tennessee Bike Summit. Knoxville, TN April 22, 2015.

42. *What is implicit bias? (and what can we do about it)*. Womengineers Conference. Knoxville, TN. April 11, 2015. With Paul Frymier (invited)
43. *Electric-Powered Two-Wheelers: Kid Toys or Serious Transportation?* University of Tennessee MicNite. Knoxville TN. March 26, 2015.
44. *New Technologies to Assess Bicycle Safety*. Southeast Transportation Center Conference, Knoxville TN. September 30, 2015.
45. *Electric powered two-wheelers (e-bikes): a welcome game-changer?* Transforming Transportation Washington DC. January 16, 2015.
46. *E-bike safety research*. Transportation Research Board Committee on Bicycle and Pedestrian Safety Analysis. Washington DC. January 14, 2015. (invited)
47. *Electric powered two-wheelers: a game-changer in Asia and beyond?* Stanford University International Urbanization and Sustainable Transportation joint seminar. Stanford, CA. December 5, 2014. (invited)
48. *Electric powered two-wheelers: a game-changer in Asia and beyond?* 11th Transportation Planning and Implementation Methodologies for Developing Countries. IIT Bombay, India, December 10-12, 2014. (invited)
49. *A New Era For Transportation Technology Adoption and Implications for Sustainability, Health and Safety*. Southwest Jiaotong University. Chengdu, China. June 20, 2014. (invited)
50. *New Stated Preference Methods and Applications to Two New Shared Mode Technologies*. Kunming University of Science and Technology. Kunming, China. June 18, 2014.
51. *A Framework to Predict High Risk Roadways for Pedestrians in Tennessee*. Knoxville Transportation Planning Organization Technical Committee. Knoxville, TN. February 11, 2014
52. *Market Barriers on the Infrastructure Side*. Electrifying the Vehicle Market in the Southeast. Knoxville, TN. May 2-3, 2013.
53. *Two-wheelers – a “boon” or “bane”* Transforming Transportation. Washington DC. January 18, 2013. (invited panelist)
54. *E-Cars and E-bikes in China – Technology Adoption, Health and Environmental Impacts*. Better Air Quality. Hong Kong December 5-7, 2012. (invited)
55. *Electric bike sharing: Observations from the first nine months of a university pilot test*. ITS Tennessee. Knoxville, TN, October 4, 2012.
56. *Electric Cars in China – Only as Clean as Their Coal*. University of Tennessee Science Forum. Knoxville, TN, September 21, 2012
57. *Disruptive technologies and motorization in China*. Urban Transport Pathways: Do the Experiences of the US and the EU Offer Lessons for the Developing World. UC Berkeley, Berkeley, CA. September 13-14, 2012 (invited)
58. *Dynamics of Electric Bike Use in China*. Kunming University of Science and Technology Transportation Engineering Seminar. Kunming, China June 20, 2012.
59. *First in Nation Electric Bike Sharing at UTK*. Tennessee Bike Summit. Chattanooga, TN. May 3, 2012. (invited)
60. *China’s transition to e-bikes and e-cars and what it means for environmental and public health*. Sidore Lecture. Keene State College. Keene, NH. April 17, 2012. (invited)
61. *E-bike sharing: A solution for the first, last, or only mile for mere mortals*. Sustainable Mobility and Cities: Marrying Technology and Policy. UC Berkeley, Berkeley, CA. February 23, 2012. (invited)
62. *China’s transition to e-bikes and other motorized modes and what it means for environmental and public health*. University of Arizona Civil Engineering Seminar. Tucson, AZ. February 22, 2012. (invited)
63. *Moving Toward Sustainable Transport*. TEDxUTK. Knoxville, TN. February 17, 2012. (invited)
64. *New Models of Public Transit*. Technical Society of Knoxville. Knoxville, TN. October 24, 2011. (invited)
65. *Sustainable Transport: More than Just Minimizing CO₂*. UTK IGERT STAIR Retreat. Roan State Park. May 16, 2011. (invited)
66. *Electric Bike Sharing on UT-Knoxville Campus—Research and Education*. University Transportation Center Showcase. US Department of Transportation. Washington DC. April 6, 2011.
67. *Wireless Roadside Inspection*. University Transportation Center Showcase. US Department of Transportation. Washington DC. April 6, 2011.
68. *Successes and Challenges of Electric 2- and 3-Wheelers in Developing Economies*. Civic Exchange C40 Workshop-Hong Kong. November 6, 2010 (invited)

69. *E-Vehicles: The Environment and Public Health*. UT Department of Geography Seminar Series. October 28, 2010 (invited)
70. *Electric Scooters in Vietnam: Factors Influencing (lack of) Adoption and Environmental Implications*. UC Berkeley Institute of Transportation Studies Seminar. October 22, 2010 (invited)
71. *Electric Scooters in Vietnam: Factors Influencing (lack of) Adoption and Environmental Implications*. Tennessee Tech University Institute of Transportation Studies Seminar. October 12, 2010 (invited)
72. *Electric Bike Sharing: A Proof-of-Concept on UT Campus*. Tennessee Section Joint Institute of Transportation Engineers/American Planning Association Annual Meeting. September 30, 2010 (invited)
73. *Getting Used to Electric Vehicles...Two Wheels at a Time*. Tennessee Section of the Institute of Transportation Engineers Annual Meeting. February 25, 2010 (invited)
74. *Managing Truck Lanes Through Urban Areas-Truck Drivers' Perceptions in Knoxville Tennessee*. Presented to Freeway Operations Simulation Subcommittee. Transportation Research Board. January 10, 2010 (invited)
75. *Electric Scooters in China, Vietnam and India: Environmental Implications and Markets*. Presented to International Aspects of Transportation Energy Subcommittee. Transportation Research Board. January 13, 2010 (invited)
76. *Electric Bikes in Asia-Factors Influencing Adoption--or Not*. UT Exercise, Sport and Leisure Studies Department Seminar Series. October 12, 2009 (invited)
77. *Electric Scooters in Viet Nam and India: Factors Influencing (lack of) Adoption and Environmental Implications*. Sustainable Urban Mobility Asia Summit. Delhi, India. October 30, 2009 (invited)
78. *Managing Truck Lanes Through Urban Areas-Truck Drivers' Perceptions in Knoxville Tennessee*. Vanderbilt Civil Engineering Seminar. January 26, 2009 (invited)
79. *Role of Battery Electric Two-Wheelers in Providing Energy Efficient Mobility in China*. Berkeley Energy Symposium. March 21, 2007 (Poster)
80. *Advantages and disadvantages of electric bike use in Chinese cities-an analysis of recent policy directions*. University of California Transportation Center Conference. February 15-17, 2007
81. *Implications of Electric Bicycle Use in China: Analysis of Costs and Benefits*. Volvo Summer Workshop. Berkeley, CA. July 24-25, 2006
82. *Suburbanization and Travel in China*. University of Transportation Center Conference. Berkeley, CA. February 9-11, 2006 (Poster)
83. *Analysis of Freeway Improvements for Express Bus Service*. University of California Transportation Center Conference. Irvine, CA. February 4-5, 2005 (Poster)

Selected Popular Press Citations

1. Bicycling Magazine: *E-Bikes Are Getting More People Out of Their Cars* <https://bit.ly/2GF5Xg2>
2. CityLab: *The Brutal Saga of One Extremely Evil Railroad Crossing* <http://bit.ly/2u9kDhe>.
3. NextCity: *City in Mexico Considers BikeShare With a Twist*. <http://bit.ly/2w2MLan>
4. Curbed: *How e-bikes can help turn drivers into bike commuters* <http://bit.ly/2rMrwEV>
5. Washington Post: *Let's keep motors off our bike trails*. <http://wapo.st/2vB5B5a>
6. Wired: *Brussels Bombs Show the Special Vulnerabilities of Subways*. <http://bit.ly/1LHmEZc>
7. Bloomberg: *Carnage on China Roads Shows Dark Side of Electric Bikes*. <http://bloom.bg/1iRxMNW>
8. Guardian: *Electric bikes: what experiences in China can tell us*. <http://bit.ly/1dzAV8b>
9. NPR: *A 'Dilemma Zone' For Red-Light Cameras: Safety Vs. Cash*
10. ESPNU: *SEC Stories of Success*. <http://bit.ly/OZCT4u>
11. Reuters: *Norway shows the way with electric cars, but at what cost?* <http://reut.rs/WHq4Bw>
12. Scientific American: *Can E-bikes Displace Cars?* <http://bit.ly/wENVbc>
13. US News: *Chinese Electric Car Pollution More Harmful to Humans Than Gas Cars*. <http://bit.ly/yoMP0l>
14. Time: *Why Electric Cars Are More Polluting than Gas Guzzlers — at Least in China*. <http://ti.me/y5KQCT>
15. DailyMail: *Proof electric cars DO cause more pollution than normal ones: Study shows impact is worse than petrol-powered vehicles*. <http://bit.ly/wQOu6F>
16. International Business Times/Chicago Tribune: *Electric Vehicles Pollute More than Gas-Powered, Study Says*. <http://bit.ly/wHU8K0>
17. Discovery News: *Electric Cars a Health Hazard in China*. <http://bit.ly/z8tNbl>
18. NY Times: *A Bay Area Experiment in Electric Bike Sharing*. <http://nyti.ms/w5IOPR>
19. China Signpost: *Electric Bikes are China's Real Electric Vehicle Story*. <http://bit.ly/sBrIOl>

20. Knowledge@Warton: *A Bumpy Road Ahead for China's Electric Bikes*. <http://bit.ly/ua7orN>
21. Wall Street Journal: *The Post-Global Warming World*. <http://on.wsj.com/s5jBnR>
22. FastCompany: *The Top Five Transit Technologies For The Low-Carbon Economy*. <http://bit.ly/nzMd6e>
23. MSNBC Future of Technology: *The era of ebikes is upon us*. <http://on.msnbc.com/qF7cG3>
24. CR80 News: *University of Tennessee launches electric bike share program*. <http://bit.ly/o5tKWH>
25. Knoxville Sentinel: *University of Tennessee launches first-in-nation 'e-bike' program*. <http://t.co/Pfx3CM0>
26. Istoé Independente (Brazil): *Efeito colateral*. <http://bit.ly/qEzbLr>
27. WBIR and WATE (Knoxville): *Electric bike sharing at UT*. <http://t.co/MQqQEGR> and <http://t.co/BN8bFd8>
28. NPR Science Friday (Spanish): *Las baterías de plomo-ácido y la contaminación ambiental*. <http://bit.ly/qtQzbP>
29. Conservation Magazine: *Leaden Rays?* <http://bit.ly/pKT3Ud>
30. Outside Magazine: *Plug and Play*. <http://bit.ly/oX7Xq2>
31. IEEE Spectrum Energywise: *WSJ Calls China's Electric Bicycle Craze a Killer*. <http://bit.ly/ad7Wf6>
32. NY Times: *An Electric Boost for Bicyclists*. <http://nyti.ms/akK8aY>
33. Wall Street Journal: *E-Yikes! Electric Bikes Terrorize the Streets of China*. <http://on.wsj.com/75F9pw>
34. Las Vegas Review Journal: *New program lets some public employees ride electric bikes*. <http://bit.ly/mvaebG>
35. Memphis Commercial Appeal: *Pedal to the Motor*. <http://bit.ly/p9CWTw>
36. Associated Press-Los Angeles Times: *Bicycle-loving China begins to go electric*. <http://lat.ms/7uiGNy>

ACADEMIC RESEARCH AND TEACHING EXPERIENCE

08/2018 to present UNIVERSITY OF TENNESSEE, KNOXVILLE Professor

08/2013 to 8/2018 UNIVERSITY OF TENNESSEE, KNOXVILLE Associate Professor

08/2007 to 08/2013 UNIVERSITY OF TENNESSEE, KNOXVILLE Assistant Professor

Teaching

Course No.	Course Name	Semester	Student-weighted Average Instructor Effectiveness of Teaching (out of 5)¹
CE455(351)	Transportation Engr. II	F08-F19	4.06
CE456	Transportation Engr. Lab	F09-F19	--
CE550	Transportation Seminar	Bi-annual	--
CE553	Geometric Design of Roadways	F07, F13, S16, F18	4.28
CE554	Public Transit Planning and Ops	F10, F11, F15	4.07
CE558	Planning and Transportation	S08-S13, S16	4.02
CE595	Sustainable Transportation	F14, F16, S19	4.20
CE595	International Transportation Exp.	Su09, Su10	--
FYS129	Sustainable Transportation	S10, F13, F16	--

¹ In Fall 2016 the evaluation system changed. "Instructor contribution to learning" is included here.

Funded Proposals: (\$3,671,418 my portion: \$6,425,036 total)

1. *BTSCR-10. E-scooter Safety: Issues and Solutions*. Transportation Research Board 2020-2021 (\$100,000 my portion)

2. *Strategic Implications of Changing Public Transportation Travel Trends Tier 1 University Transportation Center*. US Department of Transportation 2020-2021. Co-PI with Candace Brakewood. (\$188,717: 62,905 my portion)
3. *RAPID: Maintain Mobility and Reduce Infection Through a Resilient Transit and Micromobility System*. National Science Foundation 2020-2021. (\$132,226: 79,335 my portion) Lead PI with Candace Brakewood.
4. *Evaluating Transit Equity and Accessibility to Affordable Housing in Tennessee*. Tennessee Department of Transportation 2019-2020. (\$192,824: 57,847 my portion) Co-PI with Candace Brakewood.
5. *Addressing the Traffic Safety and Reducing Pedestrian Accidents and Fatalities in Tennessee Research*. Tennessee Department of Transportation 2019-2020. (\$156,783: 104,522 my portion). Lead PI with Candace Brakewood.
6. *Improvement of Park-and-Ride Facilities and Services in Metropolitan Areas of Tennessee*. Tennessee Department of Transportation. 2019-2020. (\$196,956: \$49,239 my portion). Co-PI with Anahita Khojandi, Candace Brakewood, and Mingzhou Jin.
7. *Micromobility Standards Development*. Society of Automotive Engineers. 2018-2019. (\$10,000)
8. *Evaluating Performance and Benefits-Costs of Road Diets in Tennessee*. Tennessee Department of Transportation. 2019-2020. (\$100,000: \$80,000 my portion). Lead PI with Candace Brakewood.
9. *Truck Parking Needs in TN*. Tennessee Department of Transportation. 2019 (\$30,000)
10. *Investigating the Service of App-Based Rideshare and Transportation Network Companies in TN*. Tennessee Department of Transportation. 2019-2020. (\$149,967: \$44,990 my portion). Co-PI Candace Brakewood.
11. *Bicycle and Pedestrian Counting: Best Methodologies Assessment*. Tennessee Department of Transportation. 2018-2019 (\$150,000: \$120,000 my portion). Lead PI with Candace Brakewood.
12. *GOALI: Novel approaches to model travel behavior and sustainability impacts of e-bike use*. National Science Foundation 2018-2020 Collaborative Proposal with Portland State University and Bosch. Lead PI with Dan Costinett, Wei Gao, and Paul Frymier. UT Portion \$285,000. My portion \$199,500.
13. *Comprehensive Sciences Center for Road Safety (CSCRS) National University of Transportation Center (2016-2021)*. US Department of Transportation. UT Portion \$418,000/year for five years with Asad Khattak.
 Year 1: *Completing the Picture of Traffic Injuries: Understanding Data Needs and Opportunities for Road Safety* (2017-2018) \$174,026. (With David Ragland UCB, Louis Merlin FAU, Laura Sandt UNC)
 Year 2: *Integrating Spatial Safety Data into Transportation Planning Processes*, 2018-2019. \$69,188. (With Louis Merlin FAU)
 Year 2: *Opioids at the Health and Transportation Safety Nexus*, 2018-2019. \$34,589 (With Steve Marshall UNC)
 Year 2: *Linking Crash and Post Crash Data*, 2018-2019. \$10,000 (With David Ragland UCB)
 Year 3: *Urban Freight and Road Safety: Trends and Innovative Strategies*. \$15,000 (with Noreen McDonald UNC)
 Year 3: *Integrating Micromobility into Transportation Systems Phase 1*. \$86,093 (my share CoPI with Candace Brakewood (with Susan Shaheen UCB and Laura Sandt UNC)
14. *Fuels, Freight, and the Tennessee Economy*. Tennessee Department of Transportation 2017-2018 (\$99,652: 79,721 my portion). Lead PI with Chad Autry.
15. *Big Data for non-motorized transportation* Southeastern Transportation Center (\$75,000)
16. *Instrumented bicycles and big data for safety* – Southeastern Transportation Center 2016 (\$50,000).
17. *Instrumented Electric Bikes*–Institute for a Secure and Sustainable Environment 2015 (\$50,000: \$40,000 my portion) Lead PI with Dan Costinett and Paul Frymier.
18. *Assessment of Mobility and Transit Access to Captive Riders in Suburban and Rural Areas*. Tennessee Department of Transportation 2016 (\$199,925 award to University of Memphis, UTK subcontract \$94,401).
19. *Truck Ramp Parking*–Tennessee Department of Transportation. (\$65,273: \$32,636 my portion). Lead PI with Shashi Nambisan
20. *Green Generates Green*–Tennessee Department of Transportation 2015 (\$158,978: \$47,693 my portion) Co-PI with Asad Khattak
21. *Big Data in Transportation Safety STC MRI*–Southeastern Transportation Center 2014 (\$25,000)
22. *Light Electric Vehicle Education and Research (LEVER) Center Organized Research Unit*–University of Tennessee Office of Research and Engagement 2014-2017 (\$75,000)
23. *New technologies and bicycle safety*-Southeast Transportation Center 2014 (\$50,000)

24. *Pedestrian Oriented Transit: A New Criteria for Pedestrian Network Building*-Tennessee Department of Transportation 2013 (\$72,724)
25. *Aviation Activity in Tennessee: Inventory and Economic Assessment*- Tennessee Department of Transportation 2013 (\$183,316)
26. *Technical Review of Clean Cities' Electric Vehicle Community Readiness Projects*-US Department of Energy 2013 Co-PI with David Greene (\$67,351: \$10,000 my portion)
27. *PSTAT: Promoting Sustainable Transportation Among Teens*-US EPA P3 Program 2012-2013 (\$15,000: \$3,000 my portion). Co-PI with Paul Frymier.
28. *Electric versus traditional motorized vehicles in the Southeast: Comparison of GHG emissions and exposure and health impacts of primary pollutants*. Baker Center for Public Policy 2012 (\$20,000).
29. *Improving Rural Roadway Safety Programs through a University-Public School Collaboration*-USDOT Eisenhower Grant supporting Lawson Bordley 2011 (\$5,000)
30. *Health Advantages of Motorized and Non-motorized Transportation*-USDOT Eisenhower Grant supporting Casey Langford 2011 (\$5,000)
31. *Statewide Pedestrian and Bicyclist Safety Analysis and Safety Investment Policy*-Tennessee Department of Transportation. 2011-2013 (\$100,000: \$95,000 my portion) co-PI with Steve Richards and Deo Chimba (TSU)
32. *Comparing safety related behavior between bicycles and electric bikes*-Southeastern Transportation Center 2011 (\$35,000)
33. *Truck parking behavior in the Southeast US*-Southeastern Transportation Center 2011-2012 (\$35,000: \$5,000 my portion) Co-PI with Kevin Robinson
34. *CAREER: Sustainability Implications of Transportation Choice in China*-National Science Foundation 2011-2016 (\$465,493)
35. *Electric Bike Sharing-Evaluation of System Impacts*-Tennessee Department of Transportation, 2010-2012 (\$50,000: \$35,000 my portion) Lead PI with Stacy Worley (Biosystems Engr.)
36. *Rural Seatbelt Use Determinants of Rural Populations*-USDOT Eisenhower Grant supporting Lawson Bordley, 2010 (\$5,000)
37. *H2vBE: A Case Study of the Reliability, Cost, and Environmental Sustainability of Hydrogen Fuel*-US EPA P3 Program. 2010-2011 (\$10,000: \$2,000 my portion) Co-PI with P. Frymier, B. Irick, L. Tolbert, and R. Counce.
38. *Evaluation of Service and Market for Intercity Bus Three Year Pilot Program*-Tennessee Department of Transportation. 2009-2012 (\$200,000)
39. *Sustainable Urban Mobility in Asia-Electric Bike Environmental Impacts in India and Vietnam*-Clean Air Initiative for Asian Cities Center Asian Development Bank. 2009 (\$17,000)
40. *Evaluation of Wireless Roadside Infrastructure Pilot Phase II*. US Department of Transportation-Federal Motor Carrier Safety Administration and NTRCI. 2008-2010 (\$321,251: \$295,996 my portion) Lead PI with Tom Urbanik.
41. *The Transition of Bus Transit to Hydrogen-A Case Study of a Medium Sized Transit Agency*. US Department of Transportation-Federal Transit Administration. 2008-2010 (\$60,000 my portion) Co-PI with Wayne Davis and David Keffer.
42. *Health Impact of Emissions from Electric and Traditional Motorized Transportation Modes in China*-Energy Foundation. 2008-2009 (\$60,000) Lead PI with Julian Marshall (University of Minnesota).
43. *Expanding Collaborative Transportation Research Activities in Asia*-University of Tennessee Graduate School Professional Development Award. 2008 (\$1,600).
44. *Battery Certification Program for Lead Battery Manufacturing in Vietnam*-National Collegiate Inventors and Innovators Alliance 2008-2009 (\$50,000) with OK International (NGO).
45. *Sustainable Urban Mobility in Asia-Environmental Impacts of Electric Bikes*-Clean Air Initiative for Asian Cities Center-Asian Development Bank. 2007-2008 (\$15,000)

Students

As Major Advisor:

Current

Sameer Aryal (PhD) Research Area: Road Diets and Sustainability Impacts. Expected Graduation – May 2022.

Yi Wen (PhD) Research Area: Emerging Transportation Vehicle Technologies and Impact on Transport.
Expected Graduation Date–May 2021

Mojdeh Azad (PhD) Research Area: Big Data, Visualization, and Cycling Safety–May 2021

Nitesh Shah (PhD) Research Area: Non-motorized transport safety exposure modeling–Dec 2021

Emma Sexton (MS) Research Area: Behavioral Safety and Micromobility–August 2021

Saurav Parajuli (MS) Research Area: Vulnerable Road User Safety – December 2021

Graduated

Amin Mohamadi Hezaveh (PhD) Research Area: Safety Data. Graduation Date–May 2019

Ziwen Ling (PhD) Research Area: Travel behavior in the era of new technology. December 2017

Kabin Luitel (MS) Research Area: UT Transportation Asset inventory system – Aug 2017

Nirbesh Dhakal (MS) Research Area: Big data and bicycle data systems. Graduation Date – May 2017

Saman Tabrizizadeh (MS) Research Area: Rural transit connectivity – May 2017

Luis Taboada (MS) Research Area: Walk to Transit, increasing accessibility to transit systems. Graduation Date–December 2015

Hunter McCracken (MS) Research Area: Economic impacts of Tennessee’s aviation system. Graduation Date–December 2015

Ranjit Khatri (MS) Research Area: New technologies for bicycle data collection. Graduation Date–December 2015

Dua Abdelqader (MS) Research Area: Walk to Transit, home-based walk infrastructure to access the transit network. Graduation Date May 2014

Taekwan Yoon (PhD) Research Area: Electric Vehicle Infrastructure Planning. Graduation Date-May 2014

Hongtai Yang (PhD) Research Area: Transit Planning. Graduation Date-May 2013

Casey Langford (PhD) Research Area: Full cost and benefit accounting of alternative transportation modes. Graduation Date-December 2012

Zane Pannell (MS) Research Topic: Truck Parking Behavior. Graduation Date-December 2013

Shuguang Ji (PhD) Research Area: Electric vehicle lifecycle impacts. Graduation Date-August 2012

Lawson Bordley (MS) Research Area: Driver behavior and traffic safety. Graduation Date-December 2011

David Jordan (MS) Proof of Concept Electric Bike Sharing System. May 2011

Nicole Belanger (MS) Coursework Only-May 2010

Carrie Groseclose (MS) Research Topic: Introducing Commuter Rail on Existing Freight Corridors: A Case Study of the Knoxville/Maryville/Alcoa Connection. Expected Graduation Date-May 2010

Catherine Bryant (MS) Research Topic: Wireless Roadside Inspections (WRI) Pilot Project Performance Evaluation. Expected Graduation Date-May 2010

Terrance Hill (MS) Research Topic: Strategies to Reduce Bicycle-Car Conflict and Improve Operations of Signalized Intersections in China. Graduation Date-May 2009

Elliott Moore (MS) Research Topic: Pedestrian Midblock Crossing in China. Graduation Date-May 2009

Adebola Adelakun (MS) Research Topic: Effect of Truck Lane Restrictions and Configurations in Knoxville TN on Highway Operations and Vehicular Emissions. Graduation Date-Dec 2008

As Research Project Advisor:

Ian Buckner (BS CEE) Bike Safety and Sustainability

Kanghao He (BS CEE) Micromobility Safety Data Systems

Jonathan Morse (MS CEE) Physical Activity and Micromobility

Geneva Osborne (BS CEE) Last Mile Urban Freight Systems

Anastasia Koumtcheva (BS CEE) Bicycle Infrastructure Design at Rail Crossings

Joseph Amagliani (BS CEE) China Lifecycle Assessment Model Development.

Shahad Abdulraman (BS CEE) Aviation Economic Impacts.

Mark Nichols (BS CEE) Aviation Economic Impacts

Nicolo Franceschetti (BS CEE) Implementation Guide Development for Walk to Transit project

Marquis Webb (BS CEE) Truck Ramp Parking Demand and Supply Analysis

Kristina King (BS CEE) Transportation Safety in China and University Parking Supply Analysis

Jiaoli Chen (PhD Geog) Research Topic: Bicycle and Electric Bike Safety Analysis Using Big Data

Andrew Campbell (MS CEE) Research Topic: Factors Influencing the Choice of Shared Bicycles and Electric Bicycles in Beijing - A Stated Preference Approach

Shahriar Jahan (PhD EECS) Research Topic: Embedded Hardware/software Design for E-bike Sharing

Levon Brassfield (BS EECS) Research Topic: Software Requirements for E-Bike Sharing

David Grueser (BS CEE) Research Topic: Openbike Open Source Electric Bikeshare

Luke Jones (PhD Economics) Research Topics: Lead Battery Recycling Policy in Vietnam, E-bike Use Patterns In China, Vietnam E-Scooter Market Potential Using a Stated Preference Design

Dana Wolff (MS Exercise Science) Research Topic: Greenway Siting and Active Transport

Jonathan Kelfer (MIS) Research Topic: Wireless Roadside Inspections (WRI) Pilot Project Performance Evaluation

Eric Neuhaus (BS CEE) Research Topic: Pedestrian Midblock Crossing in China

Richard LeMay (BS CEE) Research Topic: Pedestrian Midblock Crossing in China and Intersection Design to reduce Bicycle-Car Conflicts

Brian Donlon (BS CEE) Research Topic: Network Connectivity and Pedestrian Safety

Matthew Burr (BS ME) Research Topic: Wireless Roadside Inspections (WRI) Pilot Project Performance Evaluation

David Baldwin (BS EECS) Research Topic: Wireless Roadside Inspections (WRI) Pilot Project Performance Evaluation

Daniel Alexander (BS CEE) Research Topic: Wireless Roadside Inspections (WRI) Pilot Project Performance Evaluation

08/2003 to 5/2007 UC, BERKELEY. Berkeley, CA Graduate Student Researcher/Instructor
Motorization, Mobility, and Accessibility in China-UC Berkeley Center for Future Urban Transport (06/2005 to 5/2007)

- Dissertation Research: Analyzing the sustainability implications of recent widespread electric bike adoption in China
- Conducting research with academic collaborators from Tsinghua University, Tongji University and Kunming University of Science and Technology (Field work in China 6/2005-8/2005 and 3/2006-6/2006)
- Assisting in the investigation of travel behavior impacts of new suburban developments

Regional Express Bus Plan-Arterial Revitalization-UC Transportation Center (06/2004 to 06/2005)

- Developed microsimulation traffic models using Paramics to analyze express bus infrastructure improvements
- Analyzed HOV lane improvements on a congested urban freeway
- Analyzed signal optimization and queue jump lane configurations for a congested urban arterial
- Conducted corridor wide parking and economic development analysis
- Collaborated with public officials and agencies

System Design for Transit Security-Mineta Transportation Institute (01/2004-05/2004)

- Conducted research on transit terminal design related to counter-terrorism security
- Conducted four case studies of rail terrorism incidents drawing conclusions on mitigation through design
- Developed a chronology of world-wide rail transit terrorism incidents over the previous 30 years

Graduate Student Instructor-Computer Programming For Engineers (08/2003-12/2003 and 01/2007 to 5/2007)

- Instructor of five discussion sections comprising over 150 students
- Lab instructor for a MATLAB programming course for engineers
- Taught and monitored lab sections, conducted office hours and graded exams

01/2002 to 06/2003 UNIVERSITY OF ARIZONA. Tucson, AZ Research Assistant

- Conducted research developing a map based internet itinerary planner for transit
- Utilized existing GIS tools and software to develop a trip planner system for the Tucson bus network
- Participated in various research activities including remote sensing vehicle detection and travel time studies
- Occasionally had teaching responsibilities for undergraduate transportation classes

06/2001 to 12/2001 Visited Kunming, China

- Spent six months studying the language and culture of China
- Casually observed urban transportation systems and challenges
- Influenced my interest in the rapid motorization issues of China

03/1999 to 12/2000 UNIVERSITY OF ARIZONA. Tucson, AZ

- Teaching assistant for a surveying lab in the Civil Engineering Department
- Grader for Civil Engineering professors
- Tutored students with learning disabilities

PROFESSIONAL EXPERIENCE

03/2003 to 06/2003 CARTER BURGESS. Dallas, TX Project Supervisor

- Supervised a comprehensive travel time study for the entire City of Tucson, Arizona
- Utilized GPS and GIS to measure travel times for all major arterials in the city
- Responsible for project planning, data collection, fleet management and personnel management

11/2000 to 06/2001 MMLA. Tucson, AZ Engineering Designer

- Utilized Microstation J and Autocad 14 on roadway design projects
- Prepared environmental assessment and mitigation reports
- Assisted project engineers with various design tasks through all phases of design

06/2000 to 08/2000 EXXON/MOBIL. New Orleans, LA Engineering Intern

- Managed an equipment installation project on an offshore platform
- Managed and supervised personnel and equipment logistics involving the project
- Gained valuable project management skills of large scale projects

08/1999 to 05/2000 RS ENGINEERING. Tucson, AZ Engineering Intern

- Utilized Microstation J and Autocad 14 on roadway design projects

06/1999 to 08/1999 S and S SURVEYS, INC. Tucson, AZ Land Surveyor

- Conducted a GPS survey for the City of Tucson
- Proficient in Tripod Data Systems with GPS software

05/1997 to 08/1997 KELLEY/WISE ENGINEERING. Prescott, AZ Land Surveyor

05/1998 to 08/1998

- Assisted in construction, topographic and boundary surveying

PROFESSIONAL ACTIVITIES

University Service

University of Tennessee Faculty Senate (2012-2017)
University of Tennessee STRIDE Committee (2013-2015)
University of Tennessee Graduate Council-Proxy Member (2009-2014)
University of Tennessee Alternative Transportation Working Group (2009-2012)
Department of Civil Engineering Strategic Planning Committee Chair (2012-2017)

Journal Review Activities

Journal of Public Transportation, Transportation Research Parts A, C, D, Transportation Research Board-ADB00, ABE90, ANF20, Journal of Transportation Planning and Technology, ASCE Journal of Infrastructure Systems, ASCE Journal of Transportation Engineering, ASCE Journal of Urban Planning, Computer Aided Civil and Infrastructure Systems, Transport Policy, Journal of Cleaner Production, Journal of Sustainable Transportation, Journal of Intelligent Transportation Systems, Journal of Transportation Safety and Security, Environmental Science and Technology, Journal of Transportation and Land Use, Energy Policy, Environmental Health Perspectives, Injury Control and Safety Promotion, Journal of the American Planning Association, Atmospheric Environment, Journal of Transport Geography and others.

Panel Participation

UN Environmental Program Green Climate Fund – Electric Mobility – Introduction of Electric Motorcycles Project Preparation Funding Proposal Panel (2017)
National Center for Sustainable Transportation proposal review 2017
Louisiana Board of Regents Support Fund Proposal Review Panel Chair 2016
UCTC/UConnect proposal reviews 2013, 2016
University Transportation Research Center proposal review 2013
National Urban Transportation Center proposal review 2012
Queensland University of Technology Dissertation Reviewer 2012
Mountain Plains Consortium UTC proposal review 2012
Fonds de recherche du Québec – Nature et technologies-Leadership Opportunity Fund Review Panelist 2012
National Institute of Transportation and Communities (NITC) Proposal Review Panelist 2012
USDOT Eisenhower Graduate Fellowship Review Panelist 2012
Oregon Transportation Research and Education Consortium (OTREC/NITC) Proposal Review Panelist 2011, 2016
National Science Foundation CAREER & Unsolicited Proposal (CBET) Review Panelist. 2011, 2012, 2014, 2015, 2017
National Science Foundation East Asia and Pacific Summer Institute Proposal (OISE) Review Panel. 2008, 2009, 2012
Federal Transit Administration Expert Panel on Economic Development Impacts of Transit Projects. Washington DC October 17th, 2007 (role: invited observer)

AWARDS & MEMBERSHIPS

Awards: Gene Wildman Scholarship '99, Clarence Wilson Scholarship '00, ITE District 6 Student Paper Award '01, Jimenez Highway Scholarship '01, CH2M Hill Scholarship '02, ITE Arizona Section Student Paper Award '03, ITE San Francisco Bay Area Section Student Paper Award '04, National Defense Transportation Association Scholarship '04, NSF East Asia and Pacific Summer Institute (China) '05, UC Pacific Rim Research Program Mini-Grant '06, Eisenhower Transportation Fellowship '04-'06, Eno Fellowship '07. UT Civil Engineering Research Recognition Award '09, UT Environmental Leadership Award '10, UT Quest Scholar of the Week '11, UT Civil Engineering Research Recognition Award '12, UT College of Engineering Professional Promise in Research Award '14. COE Charles E. Ferris Faculty Award '15. UT Center For Transportation Research Fellow '14-'15, UT Environmental Leadership Award '15.

Memberships and Offices: ITE, ASCE, TRB, Registered PE in Tennessee.