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Education

Ph.D., Transportation Engineering, 2012, Texas A&M University
M.S., Transportation Planning & Management, 2007, Texas Southern University
M.S., Civil Engineering-Earthquake Engineering, 2001, Tarbiat Modares University
B.S., Civil Engineering, 1997, University of Sistan & Baluchestan

Experience

Assistant Professor, Dept. of Transportation Studies, Texas Southern University, 2018 - Present
Visiting Assistant Professor, Dept. of Transportation Studies, Texas Southern University, 2015 - 2018
Research Associate, NSF CREST Center for Research on Complex Networks, Texas Southern University, 2012-2015
Research Associate, Innovative Transportation Research Institute (ITRI), 2012-Present
Graduate Assistant Researcher, Texas Transportation Institute (TTI), 2007-2012
Graduate Research Assistant, Urban Traffic and Air Quality Lab (UTAQL), Texas Southern University, 2005-2007
Technical Project Manager, Peysang Consulting Engineers, 2003-2005
Head of Bids and Contracts Dept., Peysang Consulting Engineers, 2002-2005
Civil Engineer, Manategh Technical & Construction Co., 2001-2002
Graduate Research Assistant, Building & Housing Research Center (BHRC), 1999-2001

Funded Research Projects/Grant and Research Activity

Co-PI (Co-PI at TSU, the Consortium led by the University of North Carolina at Charlotte): Center for Advanced Multimodal Mobility Solutions and Education (U.S. Department of Transportation, \$1,000,000 (TSU Budget), 2017-2021)

- Principal Investigator (PI): Bicycle Network Connectivity and Accessibility: A Study on the Effects of Bike Infrastructures on Bicycle Sharing System Demand (US DOT University Transportation Center, \$58,000, 2019-2020)
- PI: Analysis of Intermodal Vessel-to-Rail Connectivity (US DOT University Transportation Center, \$58,000, 2019-2020)
- Co-PI: A New Method for Estimating Truck Queue Length at Marine Terminal Gates (US DOT University Transportation Center, \$56,352.01, 2019-2020)
- PI: Impacts of Bicycle Corridor Improvements on Users' Behaviors in Large Cities (University Transportation Center, \$59,993, 2018-2019)
- Co-PI: Development of Guidelines for Implementation of Contraflow Left-turn Lanes at Signalized Intersections (University Transportation Center, \$53,883, 2018-2019)
- Co-PI: Signal Timing Strategy for Displaced Left Turn Intersections (University Transportation Center, \$54,498, 2018-2019)
- PI: Investigating the Impact of Different Attributes on Bicycling Mode Share as a Multimodal Connectivity Strategy in Large Cities: A Case Study in Houston (University Transportation Center, \$54,825, 2017-2018)
- Co-PI: Determination of Freeway Acceleration Lane Length for Truck Smooth and Safe Merging (University Transportation Center, \$57,642, 2017-2018)
- Co-PI: Innovative Countermeasures for Reducing the Truck Waiting at Marine Terminals (University Transportation Center, \$57,709, 2017-2018)

- PI: Use of Vessel Automatic Information System Data to Improve Multi-modal Transportation in and around Ports (University Transportation Center, \$80,000, 2017)
- Co-PI: Use of Innovative Intersection Designs for Roadway Traffic Congestion Mitigation (University Transportation Center, \$79,847, 2017)

PI: Identify Project Criteria for ITS Deployment in Work Zone (Texas Department of Transportation, Award Number 0-6915, \$153,667, 2016-2017)

Co-PI: Development of Systematic Large Truck Safety Analyses (Texas Department of Transportation, Award Number 0-6911, \$118,036, 2016-2017)

Co-PI: Scientific Leadership Award, Preparing Technically Savvy Homeland Security Professionals for Maritime Transportation Security (Department of Homeland Security, Award Number 2014-ST-062-000057, \$800,000, 2014-2018)

- PI: Cargo Security: Data Analysis and Intelligent Screening (Department of Homeland Security, 2014-2019)

Refereed Research Papers

1. Jinna, H. S., Y. Qi, Q. Zhao, and M. Azimi. Countermeasures for Reducing Truck Congestion at Marine Terminals. Submitted to 99th Transportation Research Board Annual Meeting.
2. Azimi, M., A. M. Aremu, and Y. Qi. Analysis of Predicted Vessel Arrival Time to Multimodal Container Terminals in Lieu of Operator-Input ETA: A Case Study of the Port of Houston. Peer reviewed and published in 98th Transportation Research Board Annual Meeting Compendium of Papers 2019.
3. Zhao, Q., T. Goodman, M. Azimi, and Y. Qi. Roadway Related Truck Crash Risk Analysis: Case Studies in Texas. Peer reviewed and published in 97th Transportation Research Board Annual Meeting Compendium of Papers 2018.
4. Munni, J., M. Azimi, F. Qiao, and L. Yu. Dilemma Zone Driving Behavioral Analysis at Signalized Intersections Under Foggy Weather Condition with In-Vehicle Advanced Warning Message. Peer reviewed and published in 96th Transportation Research Board Annual Meeting Compendium of Papers 2017.
5. Tang, P., M. Azimi, F. Qiao, and L. Yu. Examining the Impact of Eco-driving Advising Strategies on Vehicle Emissions for Vehicles Traveling within Intersection Vicinities. Peer reviewed and published in 95th Transportation Research Board Annual Meeting Compendium of Papers 2016.
6. Hoover, C., F. Qiao, L. Yu, and M. Azimi. Emission Implications of Alternative Origin-Destination Routes: A Case Study in Houston, Texas. Peer reviewed and published in 94th Transportation Research Board Annual Meeting Compendium of Papers, 2015.
7. Hill, K., F. Qiao, M. Azimi, and L. Yu. Impacts of Restaurant Drive-Through Configurations on Vehicle Emissions. Peer reviewed and published in 93rd Transportation Research Board Annual Meeting Compendium of Papers, 2014.
8. Azimi, M., and H. G. Hawkins, Jr. Algorithm for Analyzing Horizontal Sight Distance Based on Lane Centerline Coordinates. Transportation Research Record (TRR): Journal of the Transportation Research Board, National Academy of Sciences, Vol. 2358, Washington, D.C., 2013.
9. Qi, Y., M. Azimi, and L. Yu. Safety Impacts of Increasing Lengths of Left-Turn Lanes. Peer reviewed and published in 92nd Transportation Research Board Annual Meeting Compendium of Papers, 2013.
10. Azimi, M., C. Williams, and H. G. Hawkins, Jr. Using GPS to Locate No-Passing Zones on Straight Sections of Two-Lane Highways, Journal of Transportation: The Academic Journal of the Institute of Transportation Engineers, Vol. 3, No. 1, 2012.
11. Azimi, M., and Y. Zhang. Categorizing Freeway Flow Conditions Using Clustering Methods. Transportation Research Record (TRR): Journal of the Transportation Research Board, National Academy of Sciences, Vol. 2173, Washington, D.C., 2010.
12. Qi, Y., L. Yu, M. Azimi, and L. Guo. Determination of Storage Lengths of Left-Turn Lanes at Signalized Intersections. Transportation Research Record (TRR): Journal of the Transportation Research Board, National Academy of Sciences, Vol. 2023, Washington, D.C., 2007.