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EDUCATION

- **Ph.D.** in Civil Engineering (Transportation), Clemson University, Clemson, SC, December 2010
Dissertation: *Development of Guidance for States Transitioning to Advanced Safety Analysis Tools*
Committee: Dr. Jennifer Ogle (Chair), Dr. Jeff Davis, Dr. Karen Dixon, Dr. Wayne Sarasua
- **Master of Science** in Civil Engineering, Clemson University, Clemson, SC, August 2008
Thesis: *Assessment of Potential Data-Driven Approaches for Prioritizing Improvements to Georgia Roadways*
Committee: Dr. Jennifer Ogle (Chair), Dr. Scott Brame, Dr. Mashrur Chowdhury
- **Bachelor of Science** in Civil Engineering, Osmania University, India, June 2006

PROFESSIONAL EXPERIENCE

- *Associate Professor*, Dept. of Civil & Environ. Engg., Florida International University, 2020-present
- *Assistant Professor*, Dept. of Civil & Environ. Engg., Florida International University, 2015-2020
- *Research Associate*, Lehman Center for Transportation Research, FIU, 2011-2014
- *Postdoctoral Fellow*, Glenn Dept. of Civil Engineering, Clemson University, 2011-2011
- *Course Instructor*, Glenn Dept. of Civil Engineering, Clemson University, 2010-2011
- *Graduate Research Assistant*, Glenn Dept. of Civil Engineering, Clemson University, 2006-2010
- *Graduate Teaching Assistant*, Glenn Dept. of Civil Engineering, Clemson University, 2009-2010

UNIVERSITY APPOINTMENTS

- *Member*, College of Engineering & Computing (CEC) Faculty and Staff Awards Committee, FIU, 2022 - present
- *Member*, Search and Screen Committee for CEE Faculty Position (Transportation Engineering), FIU, 2022 - present
- *Member*, College of Engineering & Computing (CEC) Curriculum Committee, FIU, 2021 - present
- *Member*, CEC Telecommuting Policy Committee, FIU, 2021 - 2021
- *Member*, CEE Curriculum Revision and Graduation Rate Improvement Committee, FIU, 2020 - present
- *Member*, CEE Department Diversity and Inclusion (D&I) Committee, FIU, 2019 - present
- *Member*, Search and Screen Committee for CEE Faculty Position (Civil Infrastructure Systems), FIU, 2020 - 2021
- *Member*, Search and Screen Committee for CEE Faculty Position (Robotics in Construction, Artificial Intelligence, and Computing in Civil and Environmental Systems), FIU, 2020 - 2021
- *Member*, Search and Screen Committee for CEE Faculty Position (Robotics in Construction, Artificial Intelligence, and Computing in Civil and Environmental Systems), FIU, 2019 - 2020
- *Member*, Library Committee, FIU, 2017 - 2020
- *Dissertation Advisor*, University Graduate School, FIU, 2016 - present
- *Graduate Faculty*, University Graduate School, FIU, 2012-2015

SPONSORED RESEARCH PROJECTS**As Principal Investigator (Total PI Funding: \$4,496,513)**

1. *Performance Evaluation of the Dura-Line's OptaSense Traffic Monitoring Solution – An FDOT District Six Case Study*, Florida Department of Transportation District Six, \$53,939, 2021-2022.
2. *Guidelines for Activating Ramp Meters during Off-peak Hours and Weekends*, Florida Department of Transportation, \$175,000, 2020-2022.
3. *Dwight David Eisenhower Transportation Fellowship Program*, Federal Highway Administration, \$17,000, 2021-2022
4. *Technical and Research Support for the SAFE STRIDES 2 Zero Program*, Florida Department of Transportation Traffic Engineering and Operations Office, \$114,330, 2021-2022.
5. *Statewide Pedestrian and Bicyclist Focus Education and Enforcement Effort – Phase 2*, Center for Urban Transportation Research (CUTR) at University of South Florida, \$25,000, 2021-2021.
6. *Enhanced Safety for School Crossing Zones – Florida School Crossing Guard Training Program Administration*, Florida Department of Transportation, \$145,000, 2021-2022.
7. *Performance Evaluation of Connected Vehicle (CV) and Transportation Systems Management and Operations*, Florida Department of Transportation, \$149,652, 2020-2022.
8. *Technical and Research Support for ITS and Traffic Engineering Projects (LOA # 29)*, Florida Department of Transportation District Six, \$220,000, 2020-2024.
9. *Enhanced Safety for School Crossing Zones – Florida School Crossing Guard Training Program Administration*, Florida Department of Transportation, \$145,000, 2020-2021.
10. *Developing Safety Performance Functions and Crash Modification Factors for Managed Lanes Separation Treatments*, Florida Department of Transportation, \$223,950, 2020-2022.
11. *Identifying and Prioritizing Target Regions to Conduct Outreach Activities to Improve Safety and Mobility of Aging Population*, Florida Department of Transportation, \$140,000, 2020-2021.
12. *Dwight David Eisenhower Transportation Fellowship Program*, Federal Highway Administration, \$25,500, 2019-2020
13. *Toolkit for the Assessment of Safety at Bus Stops*, Florida Department of Transportation, \$180,000, 2019-2022.
14. *Technical and Research Support for ITS and Traffic Engineering Projects (LOA # 25)*, Florida Department of Transportation District Six, \$250,000, 2019-2020.
15. *Miami Beach Citywide Pavement Marking Study*, City of Miami Beach, \$16,125, 2019-2020.
16. *Guidelines for Installing Pedestrian Treatments at Midblock Locations*, Traffic Engineering and Operations Office, Florida Department of Transportation, \$150,000, 2019-2020.
17. *Strategies to Mitigate Wrong-way Driving Incidents on Arterials*, Traffic Engineering and Operations Office, Florida Department of Transportation, \$148,916, 2019-2019.
18. *Provide Technical Support on Safety Analyst*, University of Florida, \$18,000, 2019-2019.
19. *Strategies to Identify and Mitigate Secondary Crashes using Real-time Traffic Data on Florida's Turnpike System*, Traffic Engineering and Operations Office, Florida Department of Transportation, \$220,000, 2018-2021.
20. *Developing Florida-specific Mobility Enhancement Factors (MEFs) and Crash Modification Factors (CMFs) for TSM&O Strategies*, Traffic Engineering and Operations Office, Florida Department of Transportation, \$215,000, 2018-2020.

21. *Evaluation of Photo Red Light Enforcement Program in the City of Miami Beach*, City of Miami Beach, \$13,500, 2018-2018.
22. *Technical and Research Support for ITS and Traffic Engineering Projects (LOA # 21)*, Florida Department of Transportation District Six, \$250,000, 2018-2019.
23. *Statewide Pedestrian and Bicyclist Focus Education and Enforcement Effort*, Center for Urban Transportation Research (CUTR) at University of South Florida, \$38,000, 2018-2020.
24. *Assessing the Benefits of Connected Vehicle Applications and Arterial Management Strategies*, Traffic Engineering and Operations Office, Florida Department of Transportation, \$140,000, 2018-2020.
25. *Exploring the Modified Procurement Framework for Expediting Florida Connected Vehicle (CV) Deployments*, Traffic Engineering and Operations Office, Florida Department of Transportation (Subcontract from University of North Florida), \$50,000, 2018-2019.
26. *Generation of SafetyAnalyst Import Files for Years 2015 and 2016*, State Safety Office, Florida Department of Transportation, \$39,941, 2018-2018.
27. *A Data-Driven Approach to Implementing Wrong-Way Driving Countermeasures*, Florida Department of Transportation, \$145,000, 2017-2018.
28. *Technical and Research Support for ITS and Traffic Engineering Projects (LOA # 17)*, Florida Department of Transportation District Six, \$277,342, 2017-2018.
29. *Doral Citywide Roadway Lighting Study*, City of Doral, \$14,915, 2017-2017.
30. *Use of Communication Technologies to Enhance Public Involvement in Transportation Projects*, Florida Turnpike Enterprise, Florida Department of Transportation, \$120,000, 2016-2018.
31. *Evaluation of Incident Response Improvements for Statewide Application: Learning from the New Regional Traffic Management Center in Jacksonville, FL*, Traffic Engineering and Operations Office, Florida Department of Transportation (Subcontract from University of North Florida), \$50,000, 2017-2018.
32. *Comparing Countermeasures for Mitigating Wrong-way Entries onto Limited Access Facilities*, Traffic Engineering and Operations Office, Florida Department of Transportation (Subcontract from University of South Florida), \$33,021, 2016-2017.
33. *Evaluation of Project Processes in Relation to Transportation Systems Management and Operations (TSM&O)*, Traffic Engineering and Operations Office, Florida Department of Transportation (Subcontract from University of North Florida), \$125,000, 2016-2018.
34. *Generation of 2011-2014 Input Data for SafetyAnalyst*, State Safety Office, Florida Department of Transportation, \$25,000, 2016-2016.
35. *Statewide Analysis of Bicycle Crashes*, State Safety Office, Florida Department of Transportation, \$150,000, 2015-2017.
36. *Quantifying the Accuracy of the Enhanced Interchange Safety Analysis Tool (ISATe) Crash Prediction Tools on Florida Freeways*, Systems Planning Office, Florida Department of Transportation, \$75,000, 2015-2016.
37. *Statewide Training of SafetyAnalyst in Florida*, Southeastern Transportation Research Innovation, Development and Education (STRIDE) Consortium, US DOT (via Univ. of Florida), \$20,000, 2015-2016.
38. *Development of a Web-based Decision Making Tool for the Highway Safety Manual Implementation*, The National Center for Transportation Systems Productivity and Management (NCTSPM), US DOT (via Georgia Institute of Technology), \$82,456, 2014-2017.

39. *Development and Implementation of Puerto Rico Strategic Highway Safety Plan*, Puerto Rico Highway and Transportation Authority (subcontract from Advanced Transportation Engineering Consultants, Inc.), \$82,426, 2014-2015.
40. *Improved Processes for Meeting the Data Requirements for Implementing the Highway Safety Manual and SafetyAnalyst in Florida*, State Safety Office, Florida Department of Transportation, \$175,000, 2012-2014.

As Co-Principal Investigator (Total Co-PI Funding: \$917,704)

1. *Evaluation of the Florida Keys Connecting Overseas to Advance Safe Travel (Keys COAST) – Pre-deployment Phase*, Florida Department of Transportation District Six, \$ 272,635, 2020-2021 (PI: Mohammad Hadi).
2. *Effectiveness of Stationary Policy Vehicles with Blue Lights in Freeway Work Zones*, Office of Construction, \$ 275,717, 2017-2017 (PI: Albert Gan)
3. *Feasibility of Using Video Image Detectors for Ramp Signal Operations and Performance Monitoring* Florida Department of Transportation, \$150,000, 2014-2016 (PI: Albert Gan).
4. *Transportation Research Internship Program (TRIP)*, Southeastern Transportation Research Innovation, Development and Education (STRIDE) Consortium, US DOT (via University of Florida), \$4,367, 2016-2016 (PI: Albert Gan).
5. *Transportation Engineering Technical and Research Support Services*, Public Works Department City of Doral, \$100,000, 2016-2017 (PI: Albert Gan).
6. *Updating and Improving Methodology for Prioritizing Highway Project Locations on the Strategic Intermodal System (SIS)*, Intermodal Systems Development Office (District 1), Florida Department of Transportation, \$150,000, 2014-2016 (PI: Albert Gan).
7. *Evaluation of Signage Alternatives for Express Lane Facilities*, The National Center for Transportation Systems Productivity and Management (NCTSPM), USDOT (via Georgia Institute of Technology), \$85,000, 2013-2015 (PI: Albert Gan).
8. *Tier I University Transportation Center (UTC) Program Support*, The National Center for Transportation Systems Productivity and Management (NCTSPM), USDOT (via Georgia Institute of Technology), \$131,848, 2014-2016 (PI: Albert Gan).
9. *Crash Prediction Method for Freeway Facilities with High Occupancy Vehicle (HOV) and High Occupancy Toll (HOT) Lanes*, Florida Department of Transportation (subcontract from University of Florida), \$83,854, 2013-2015 (PI: Albert Gan).
10. *Feasibility of a Web-Based System for Police Report Review and Information Recording*, State Safety Office, Florida Department of Transportation, \$90,000, 2013-2016 (PI: Albert Gan).
11. *A Comprehensive Study to Reduce Pedestrian Crashes in Florida*, State Safety Office, Florida Department of Transportation, \$150,000, 2012-2013 (PI: Albert Gan).
12. *Roundabouts and Access Management*, Systems Planning Office, Florida Department of Transportation (subcontract from University of Florida), \$70,000, 2012-2013 (PI: Albert Gan).
13. *Pedestrian Safety Campaign Support and Data Collection of Driver and Pedestrian Behavior at Rectangular Rapid Flashing Beacon Locations*, Traffic Operations Office (District 6), Florida Department of Transportation, \$30,000, 2014-2014 (PI: Albert Gan).

As Principal Researcher

1. *Development of a White Paper on Capabilities and Potential Applications of Crowd Monitoring Systems*, Florida Department of Transportation District 4 ITS Office, \$46,467, 2014-2015.

2. *Extraction of Basic Roadway Information for Non-State Roads in Florida*, State Safety Office, Florida Department of Transportation, \$120,000, 2013-2015.
3. *Analysis of Movable Bus Stop Boarding and Alighting Areas*, Public Transit Office, Florida Department of Transportation, \$110,667, 2012-2013.
4. *Digital Advertising Billboards and Driver Distraction*, in Partnership with University of Alabama at Birmingham, Research and Innovation Technology Administration (RITA), USDOT (via Georgia Institute of Technology), \$43,000, 2012-2015.
5. *Synthesis of the Advance in and Application of Fractal Characteristics of Traffic Flow*, Traffic Engineering and Operations Office. Florida Department of Transportation, \$40,000, 2012-2013.
6. *In-Service Performance Evaluation (ISPE) for G4 (1S) Strong-Post W-Beam Guardrail and Cable Median Barrier*, Roadway Design Office, Florida Department of Transportation, \$284,796, 2011-2012.
7. *Before and After Safety Study of Roadways Where New Medians Have Been Added*, Systems Planning Office, Florida Department of Transportation, \$225,000, 2011-2012.
8. *Best Practices in the Use of Hybrid Static-Dynamic Signs*, Traffic Engineering Office (District 4), Florida Department of Transportation, \$150,000, 2011-2012.
9. *Standardization of Crash Analysis in Florida*, State Safety Office, Florida Department of Transportation, \$142,726, 2010-2011.
10. *Preparing Florida for SafetyAnalyst Deployment*, State Safety Office, Florida Department of Transportation, \$298,266, 2010-2012.
11. *An Integrated Database and Analysis System for the Evaluation of Freeway Corridors for Potential Ramp Signaling*, ITS Office (District 6), Florida Department of Transportation, \$180,000, 2010-2011.
12. *CUSIM: Sustainable Infrastructure Model*, Glenn Department of Civil Engineering, Clemson University, \$125,200, 2010-2011.
13. *The Relationship of South Carolina DOT Damage Claims and Lawsuits to Roadway Engineering Safety Issues*, South Carolina Department of Transportation, \$247,949, 2009-2011.
14. *Motor Vehicle Crash Analysis: Descriptive Trend Analysis and Assessment of Potential Data-Driven Approaches for Prioritizing Improvements to Georgia Roadways*, Georgia Department of Transportation, \$226,666, 2007-2008.
15. *Support for the Elimination of Roadside Hazards in an Acceptable Clear Zone through the Use of Collision Data*, South Carolina Department of Transportation, \$258,043, 2007-2008.
16. *Simulation of Roadway Design Treatments for Rural to Urban Transition Areas*, Oregon State University/Oregon Department of Transportation, \$44,988, 2006-2007.

PUBLICATIONS

Book

1. Ponnaluri, Raj., and Alluri, P. (2021). “*Connected and Automated Vehicles: Developing Policies, Designing Programs, and Deploying Projects - From Policy to Practice*”, 1st Edition, Elsevier.

Journal Papers Under Review (6 in total)

1. Haule, H., Alluri, P., Sando, T., and Gan, A. (1st Review). Analyzing the Effectiveness of Ramp Metering in Alleviating Crash-Related Congestion on Freeway. *Accident Analysis and Prevention*.
2. Kitali, A., Alluri, P., and Sando, T. (1st Review). “What are the Leading Causes of Multiple Secondary Crashes on Toll Roads? Evidence from Bayesian Network Model”, *Accident Analysis and Prevention*.

3. Molina, J., Kitali, A., and Alluri, P. (2nd Review). “Is there a Relationship Between Daylight Saving Time and Traffic Crashes?” *Transportation Research Record: Journal of the Transportation Research Board*.
4. Kitali, A., Haule, H., Alluri, P., and Sando, T. (1st Review). “Examining the Influence of Work Zones on the Propensity of Secondary Crashes: Case Study of Florida Turnpike”, *Journal of Transportation Engineering, Part A: Systems*
5. Ali, M. S., Kodi, J., Alluri, P., and Sando, T. (1st Review). “Operational Impacts of Transit Signal Priority (TSP) in Adaptive Signal Control Technology (ASCT) Environment”, *Advances in Transportation Studies Journal*.
6. Haule, H., Alluri, P., and Sando, T. (1st Review). “Evaluating the Impact of Incident Timeline Intervals on the Clearance Time using a Threshold Regression Model,” *Accident Analysis and Prevention*.

Refereed Journal Papers (58 in total)

1. Soto, F., Kitali, A., Alluri, P., and Raihan A. (2022). “Influence of Built Environment on Pedestrian Crashes: A Case Study of Miami-Dade County” *Transportation Research Record: Journal of the Transportation Research Board*. Accepted.
2. Kitali, A., Alluri, P., and Sando, T. (2022). “Effect of incident impact area estimation approaches on secondary crash identification: a case study of Florida Turnpike”, *Advances in Transportation Studies Journal*. Vol: 56, pp. 127-142.
3. Lalika, L., Kitali, A., Haule, H., Kidando, E., Sando, T., and Alluri, P. (2022). “What are the Leading Causes of Older Pedestrian Fatalities? Evidence from Bayesian Network Model”, *Journal of Safety Research*. Accepted.
4. Kodi, J., Kitali, A., Sando T., Alluri, P., and Ponnaluri, R. (2022). “A Safety Evaluation of Adaptive Signal Control Technology Using Empirical Bayes Approach”, *ASCE Journal of Transportation Engineering, Part A: Systems*. Accepted.
5. Kodi, J., Kidando, E., Sando, T., and Alluri, P. (2022). “Estimating the Mobility Benefits of Adaptive Signal Control Technology Using a Bayesian Switch-point Regression Model”, *Journal of Transportation Engineering, Part A: Systems*. Accepted.
6. Haule, H., Ali, M. S., Alluri, P., and Sando, T. (2021) “Evaluating the Effect of Ramp Metering on Freeway Safety Using Real-Time Traffic Data” *Accident Analysis and Prevention*. Vol. 157.
7. Haule, H., Alluri, P., Sando, T. (2022) “Mobility Impacts of Ramp Metering Operations on Freeways” *ASCE Journal of Transportation Engineering, Part A: Systems*. Vol. 148(2).
8. Ali, M. S., Kitali, A., Kodi, J., Sando, T., and Alluri, P. (2021). “Quantifying the Safety Benefits of Transit Signal Priority Using Full Bayes Before-After Study”, *ASCE Journal of Transportation Engineering, Part A: Systems*. Accepted.
9. Kitali, A., Kidando, E., Raihan, A., Kutela, B., Alluri, P., and Sando, T. (2021). “Exploring A Need to Model Two- and Multiple-vehicle Crashes Separately”, *Transportation Research Record: Journal of the Transportation Research Board*. Accepted.
10. Nafis, S., Alluri, P., Wu, W., and Kibria, G (2021) “Wrong-way Driving Crash Injury Analysis on Arterials Using Non-parametric Data Mining Techniques,” *Journal of Transportation Safety and Security*. Accepted.
11. Salum, J. H., Kitali, A., Sando, T., and Alluri, P. (2021). “Evaluating the Impact of Road Rangers in Preventing Secondary Crashes,” *Accident Analysis and Prevention*, 156, 106129.

12. Kodi, J., Kitali, A., Ali, M. S., Alluri, P., and Sando, T. (2021). "Estimating Safety Impacts of Adaptive Signal Control Technology Using a Full Bayesian Approach", *Transportation Research Record: Journal of the Transportation Research Board*.
13. Ali, M. S., Haule, H., Alluri, P., and Kaisar, E. (2021). "Evaluating the Potential Mobility Benefits of Transit Signal Priority with Connected Vehicle Technology". *Advances in Transportation Studies Journal*, Issue. 55, pp. 53-68.
14. Ali, M. S., Kitali, A., Kodi, J., Alluri, P., and Sando, T. (2021). "Safety Impacts of Transit Signal Priority Using a Full Bayesian Approach", *Transportation Research Record: Journal of the Transportation Research Board*.
15. Kitali, A., Kidando, E., Kutela, B., Kadeha, C., Alluri, P., and Sando, T. (2021). "Safety Evaluation of High Occupancy Toll Facilities Using Bayesian Networks" *Journal of Transportation Engineering*, in Press.
16. Kadeha, C., Haule, H., Ali, MD. S., Alluri, P., and Ponnaluri, R. (2020). "Modeling Wrong-Way Driving (WWD) Crash Severity on Arterials," *Accident Analysis and Prevention*, in Press.
17. Kitali, A., Soto, F., Alluri, P. and Raihan, A. (2020). "A Before-After Full Bayes Multivariate Intervention Model to Estimate the Safety Effectiveness of Red Light Cameras," *Traffic Injury Prevention Journal*.
18. Kitali, A., Mokhtarimousavi, S., Kadeha, C., and Alluri, P. (2020). "Severity Analysis of Crashes on Express Lane Facilities Using Support Vector Machine Model Trained by Firefly Algorithm," *Traffic Injury Prevention Journal*.
19. Salum, J. H., Sando, T., Alluri, P., and Kitali, A. (2020). "Operational Evaluation of Freeway Service Patrols: A Case Study of Florida's Road Rangers," *Journal of Transportation Engineering, Part A*, 146 (9), 04020094.
20. Haule, H., Alluri, P., Sando, T., and Raihan, A. (2020). "Investigating the Impact of Rain on Crash Clearance Duration," *ASCE Journal of Transportation Engineering, Part A: Systems*.
21. Kadeha, C., Alluri, P. and Sando, T. (2020). "Quantifying the Mobility Benefits of Express Lanes Using Real-time Traffic Data," Accepted, *Transportation Research Record: Journal of the Transportation Research Board*.
22. Kitali, A., Kidando, E., Alluri, P., Sando, T., and Salum, J. (2020) "Modeling Severity of Motorcycle Crashes with Dirichlet Process Priors," Accepted, *Journal of Transportation Safety & Security*.
23. Saha, D., Alluri, P., Dumbaugh, E., and Gan, A. (2020). "Application of the Poisson-Tweedie Distribution in Analyzing Crash Frequency Data," Accepted, *Accident Analysis & Prevention Journal*.
24. Saha, D., Alluri, P., and Gan, A. (2019). "Applicability of Enhanced Interchange Safety Analysis Tool (ISATe) for Local Applications: A Florida Case Study," *Advances in Transportation Studies Journal*, Issue. 48, pp. 129-144.
25. Vargas, H., Raihan, A., Alluri, P., and Gan, A. (2019) "Jurisdiction-specific versus SafetyAnalyst-default Safety Performance Functions: A Case Study on Two-lane and Multi-lane Arterials". Accepted, *Transportation Research Record: Journal of the Transportation Research Board*.
26. Kitali, A., Alluri, P., Sando, T., and Wu, W. (2019) "Identification of Secondary Crash Risk Factors using Penalized Logistic Regression Model". Accepted, *Transportation Research Record: Journal of the Transportation Research Board*, 2673(11), pp. 901-914.
27. Kitali, A., Alluri, P., Sando, T., and Lentz, R. (2019) "Impact of Primary Incident Spatiotemporal Influence Thresholds on the Detection of Secondary Crashes". *Transportation Research Record: Journal of the Transportation Research Board*, 2673(10), pp. 271-283.

28. Haule, H., Sando, T., Lentz, R., Chuan, C., and Alluri, P. (2019) "Evaluating the Impact and Clearance Duration of Freeway Incidents," *International Journal of Transportation Science and Technology*, 8(1), pp. 13-24.
29. Raihan, A., Alluri, P., Wu, W., and Gan, A. (2019) "Estimation of Bicycle Crash Modification Factors (CMFs) on Urban Facilities using Zero Inflated Negative Binomial Models," *Accident Analysis & Prevention Journal*, Vol. 123, pp. 303-313.
30. Salum, J., Kitali, A., Bwire, H., Sando, T., and Alluri, P. (2019) "Severity of Motorcycle Crashes in Dar es Salaam, Tanzania," *Traffic Injury Prevention Journal*, 20(2), pp. 189-195.
31. Haule, H., Sando, T., and Alluri, P. (2018) "Impact of Co-location of Response Agencies on the Traffic Incident Timeline," *Advances in Transportation Studies Journal*, Vol. 46, pp. 67-80.
32. Kitali, A., Alluri, P., Sando, T., Haule, H., Kidando, E., and Lentz, R. (2018). "Likelihood Estimation of Secondary Crashes using Bayesian Complementary Log-log Model," *Accident Analysis & Prevention Journal*, Vol. 119, pp. 58-67.
33. Saha, D., Alluri, P., Wu, W., and Gan, A. (2018). "Spatial Analysis of Macro-Level Bicycle Crashes Using Conditional Autoregressive Models," *Accident Analysis & Prevention Journal*, Vol. 118, pp. 166-177.
34. Kitali, A., Kidando, E., Martz, P., Alluri, P., Sando, T., Moses, R., and Lentz, R. (2018). Evaluating Factors Influencing the Severity of Three-plus Multiple-vehicle Crashes Using Real-Time Traffic Data," *Transportation Research Record: Journal of the Transportation Research Board*, 2672(38), pp. 128-137.
35. Tang, L., Gan, A., Cevallos, F., and Alluri, P. (2018) "Characteristics of Bus Transit Vehicles in the United States: A 30-Year National Trend Analysis," *Transportation Research Record: Journal of the Transportation Research Board*, 2672(8), pp. 41-51.
36. Alluri, P., Gan, A., and Liu, K. (2018). "Statewide Implementation of SafetyAnalyst: The Florida Experience," *Journal of Transportation Safety & Security*, 10(6), pp. 525-544.
37. Raihan, M. A., and Alluri, P. (2017). "Impact of Roadway Characteristics on Bicycle Safety," *ITE Journal*. 87(9), pp. 33-40. (Recipient of 2017 ITE Daniel B. Fambro Student Paper Award).
38. Alluri, P., Gan, A., Saha, D., and Fernandez, L. (2017). "Evaluation of Signage Alternatives for Express Lane Facilities: A Focus Group Study," *Transportation Research Record No. 2616: Journal of the Transportation Research Board*, pp. 114-121.
39. Gan, A., Alluri, P., Raihan, M. A., Liu, K., Saha, D., and Jung, R. (2017). "An Automated System for Prioritizing Highway Improvement Locations and Analyzing Project Alternatives," *Transportation Research Record No. 2654: Journal of the Transportation Research Board*, pp. 65-75.
40. Saha, D., Alluri, P., and Gan, A. (2017). "A Bayesian Procedure for Evaluating the Frequency of Calibration Factor Updates in Highway Safety Manual (HSM) Applications," *Accident Analysis and Prevention Journal*, Vol. 98, pp. 74-86.
41. Gan, A., Liu, K., and Alluri, P. (2016). "An Integrated System for Rural National Transit Database (NTD)," *Transportation Research Record No. 2539: Journal of the Transportation Research Board*, pp. 167-177.
42. Alluri, P., Gan, A., and Haleem, K. (2016). "Safety Impacts of Converting Two-Way Left-Turn Lanes to Raised Medians and Associated Design Concerns," *Journal of the Transportation Research Forum*, 55(2), pp. 33-48.
43. Saha, D., Alluri, P., and Gan, A. (2016). "A Random Forests Approach to Prioritize Highway Safety Manual (HSM) Variables for Data Collection," *Journal of Advanced Transportation*, Vol. 50, pp. 522-540.

44. Alluri, P., Haleem, K., Gan, A., and Mauthner, J. (2016). "Safety Performance Evaluation of Cable Median Barriers on Freeways in Florida," *Traffic Injury Prevention Journal*, 17(5), pp. 544-551.
45. Alluri, P., Saha, D., and Gan, A. (2016). "Minimum Sample Sizes for Estimating Reliable Highway Safety Manual (HSM) Calibration Factors," *Journal of Transportation Safety & Security*, 8(1), pp. 56-74.
46. Alluri, P., Gan, A., Diaz, A., and Steiner, R. (2015). "Safety Impacts of Access Management Features near Roundabouts," *Transportation Research Record No. 2517: Journal of the Transportation Research Board*, pp. 28-36.
47. Haleem, K., Alluri, P., and Gan, A. (2015). "Analyzing Pedestrian Crash Injury Severity at Signalized and Non-Signalized Locations," *Accident Analysis & Prevention Journal*, Vol. 81, pp. 14-23.
48. Alluri, P., Gan, A., Haleem, K., and Mauthner, J. (2015). "Safety Performance of G4 (1S) W-beam Guardrails versus Cable Median Barriers on Florida's Freeways," *Journal of Transportation Safety & Security*, 7(3), pp. 208-227.
49. Saha, D., Alluri, P., and Gan, A. (2015). "Prioritizing Highway Safety Manual's Crash Prediction Variables Using Boosted Regression Trees," *Accident Analysis & Prevention Journal*, Vol. 79, pp. 133-144.
50. Tang, L., Gan, A., and Alluri, P. (2014). "Automatic Extraction of Number of Lanes from Geo-Rectified Aerial Images," *Transportation Research Record No. 2460: Journal of the Transportation Research Board*, pp. 86-96.
51. Suksawang, N., Alluri, P., Gan, A., Meneses, K., Cevallos, F., Haleem, K., and Saha, D. (2014). "Use of Movable Bus Stop Loading Pads: Feasibility and Design Alternatives," *Journal of Public Transportation*, 17(4), pp. 157-173.
52. Haleem, K., Gan, A., Alluri, P., and Saha, D. (2014). "Identifying Safety Practices and Needs of Local Transportation and Law Enforcement Agencies," *Journal of the Transportation Research Forum*, 53(1), pp. 83-99.
53. Lu, J., Haleem, K., Alluri, P., Gan, A., and Liu, K. (2014). "Developing Local Safety Performance Functions versus Calculating Calibration Factors for SafetyAnalyst Applications: A Florida Case Study," *Safety Science*, Vol. 65, pp. 93-105.
54. Wang, T., Gan, A., and Alluri, P. (2013). "Estimating Annual Average Daily Traffic for Local Roads for Highway Safety Analysis," *Transportation Research Record No. 2398: Journal of the Transportation Research Board*, pp. 60-66.
55. Lu, J., Haleem, K., Alluri, P., and Gan, A. (2013). "Full versus Simple Safety Performance Functions: A Comparison Based on Urban Four-Lane Freeway Interchanges in Florida," *Transportation Research Record No. 2398: Journal of the Transportation Research Board*, pp. 83-92.
56. Stanford, M., Benson, L., Alluri, P., Martin, W., Klotz, L., Ogle, J., Kaye, N., Sarasua, W., and Schiff, S. (2013). "Evaluating Student and Faculty Outcomes for a Real-World Capstone Project with Sustainability Considerations," *Journal of Professional Issues in Engineering Education and Practice*, 139(2), pp. 123-133.
57. Alluri, P. and Ogle, J. (2012). "Road Safety Analysis in the United States: States' Current Practices and Their Future Direction," *Transportation Research Record No. 2318: Journal of the Transportation Research Board*, pp. 7-15.
58. Crisler, M., Brooks, J., Ogle, J., Guirl, C., Alluri, P. and Dixon, K. (2008). "Effect of Wireless Communication and Entertainment Devices on Simulated Driving Performance," *Transportation Research Record No. 2069: Journal of the Transportation Research Board*, pp. 48-54.

TRB Conference Proceedings in the Year 2020 (11 in total)

1. Soloka, M., Imani, H., Sando, T., and Alluri, P. (2020). "Simulation Exploration of the Potential of Connected Vehicles (CVs) in Mitigating Secondary Crashes (SCs)," Proceedings of the 99th Annual Meeting of the Transportation Research Board, Washington, DC.
2. Kadeha, C., Alluri, P. and Sando, T. (2020). "Quantifying the Mobility Benefits of Express Lanes Using Real-time Traffic Data" Proceedings of the 99th Annual Meeting of the Transportation Research Board, Washington, DC.
3. Kitali, A., Mokhtarimousavi, S., Kadeha, C., and Alluri, P. (2020). "Using Support Vector Machine Algorithms for Crash Injury Severity Analysis on Express Lane Facilities," Proceedings of the 99th Annual Meeting of the Transportation Research Board, Washington, DC.
4. Ali, MD. S., Alluri, P. and Sando, T. (2020). "Quantifying the Mobility Benefits of Transit Signal Priority," Proceedings of the 99th Annual Meeting of the Transportation Research Board, Washington, DC.
5. Saha, D., Alluri, P., Dumbaugh, E., and Gan, A. (2020). "Application of the Poisson-Tweedie Distribution in Analyzing Crash Frequency Data," Proceedings of the 99th Annual Meeting of the Transportation Research Board, Washington, DC.
6. Kadeha, C., Haule, H., Ali, MD. S., Alluri, P., and Ponnaluri, R. (2020). "Analysis of Wrong-Way Driving (WWD) Crash Severity on Arterials," Proceedings of the 99th Annual Meeting of the Transportation Research Board, Washington, DC.
7. Burgos, M., Kadeha, C., Alluri, P., and Gan, A. (2020). "Safety Performance Functions Using Real-Time Traffic Data versus AADT," Proceedings of the 99th Annual Meeting of the Transportation Research Board, Washington, DC.
8. Kitali, A., Kidando, E., Kutela, B., Kadeha, C., Alluri, P., and Sando, T. (2020). "Factors Contributing to Single-Vehicle and Multiple-Vehicle Crashes on Express Lane Facilities," Proceedings of the 99th Annual Meeting of the Transportation Research Board, Washington, DC.
9. Kitali, A. and Alluri, P. (2020). "*Real-time Prediction of Secondary Crash Risk using Probabilistic Reasoning Approach*". Proceedings of the 99th Annual Meeting of the Transportation Research Board, January 12, 2020, Washington, DC. (Podium Session).
10. Kitali, A. and Alluri, P. (2020). "*Real-time Prediction of the Likelihood of Secondary Crashes on Freeways*". Proceedings of the 99th Annual Meeting of the Transportation Research Board, January 13, 2020, Washington, DC. (Hybrid Session).
11. Salum, J. H., Sando, T., Alluri, P., and Kitali, A. (2020) "*Do Road Rangers Help in Preventing Secondary Crashes?*", Proceedings of the 99th Annual Meeting of the Transportation Research Board, Washington, DC.

Full-Paper Refereed Proceedings (65 in total)

1. Molina, J., Kitali, A., and Alluri, P. (2022). "Is there a Relationship Between Daylight Saving Time and Traffic Crashes?" Proceedings of the 101st Annual Meeting of the Transportation Research Board, Washington, DC.
2. Soto, F., Kitali, A., Alluri, P., and Raihan A. (2022). "Influence of Built Environment on Pedestrian Crashes A Case Study of Miami-Dade County" Proceedings of the 101st Annual Meeting of the Transportation Research Board, Washington, DC.
3. Molina, J., Kitali, A., and Alluri, P. (2022). "Is there a Relationship Between Daylight Saving Time and Traffic Crashes?" Proceedings of the 101st Annual Meeting of the Transportation Research Board, Washington, DC.

4. Kodi, J., Alluri, P. and Holley, G. (2022). “Examining Hot Spots of Crashes Involving Vulnerable Aging Road Users and their Spatial Relationship with the Built Environment” Proceedings of the 101st Annual Meeting of the Transportation Research Board, Washington, DC.
5. Kutela, B., Kadeha, C., Magehema, R. T., Avelar, R., and Alluri, P. (2022). “Fifty Years of Research on Wrong-Way Driving Crashes: Roadmap Review and Future Direction” Proceedings of the 101st Annual Meeting of the Transportation Research Board, Washington, DC.
6. Kadeha, C., Kitali, A., Salum, J., and Alluri, P. (2022). “Safety Performance of Midblock Pedestrian Crossing Treatments” Proceedings of the 101st Annual Meeting of the Transportation Research Board, Washington, DC.
7. Ali, M. S., Haule, H., Kodi, J., Alluri, P., and Sando T. (2022). “Transferability of Calibrated Microscopic Simulation Model Parameters for Operational Analysis of Transit Signal Priority” Proceedings of the 101st Annual Meeting of the Transportation Research Board, Washington, DC.
8. Kitali, A., Kidando, E., Raihan, A., Kutela, B., Alluri, P., and Sando, T. (2021). “Exploring A Need to Model Two- and Multiple-vehicle Crashes Separately,” Proceedings of the 100th Annual Meeting of the Transportation Research Board, Washington, DC.
9. Kitali, A., Alluri, P., and Sando, T. (2021). “Influence of Incident Spatiotemporal Estimation Method in Secondary Crash Identification,” Proceedings of the 100th Annual Meeting of the Transportation Research Board, Washington, DC.
10. Kodi, J., Kitali, A., Ali, S., Alluri, P., and Sando, T., (2021). “Estimating Safety Effects of Adaptive Signal Control Technology Using the Full Bayesian Approach,” Proceedings of the 100th Annual Meeting of the Transportation Research Board, Washington, DC.
11. Kodi, J., Kidando, E., Sando, T., Alluri, P. (2021) “Quantifying the Mobility Benefits of Adaptive Signal Control Technology”. Proceedings of the 100th Annual Meeting of the Transportation Research Board, Washington, DC.
12. Romeo-Garcia, A., Kodi, J., Kitali, A., Alluri, P., and Gan, A (2021). “Impacts of COVID-19 Pandemic on Traffic Crashes in Florida,” Proceedings of the 100th Annual Meeting of the Transportation Research Board, Washington, DC.
13. Ali, M. S., Kitali, A., Kodi, J., Alluri, P., and Sando, T. (2021). “Safety Effects of Transit Signal Priority Using the Full Bayesian Approach,” Proceedings of the 100th Annual Meeting of the Transportation Research Board, Washington, DC.
14. Ali, M. S., Kodi, J., Alluri, P., and Sando, T. (2021). “Mobility Benefits of Transit Signal Priority (TSP) in Adaptive Signal Control Technology (ASCT) Environment,” Proceedings of the 100th Annual Meeting of the Transportation Research Board, Washington, DC.
15. Kitali, A., Alluri, P., Sando, T., and Wu, W. (2019) “Identification of Secondary Crash Risk Factors using Penalized Logistic Regression Model”. Proceedings of the 98th Annual Meeting of the Transportation Research Board, Washington, DC. (Revised version was published in *Transportation Research Record: Journal of the Transportation Research Board*).
16. Kitali, A., Alluri, P., Sando, T., and Lentz, R. (2019) “Impact of Primary Incident Spatiotemporal Influence Thresholds on the Detection of Secondary Crashes”. Proceedings of the 98th Annual Meeting of the Transportation Research Board, Washington, DC. (Revised version was published in *Transportation Research Record: Journal of the Transportation Research Board*).
17. Huq, A., and Alluri, P., (2019). “A Comprehensive Review of Secondary Crash Studies,” Proceedings of the 98th Annual Meeting of the Transportation Research Board, Washington, DC.
18. Vargas, H., Raihan, M. A., Alluri, P., and Gan, A., (2019). “Jurisdiction-specific versus *SafetyAnalyst*-default Safety Performance Function: A Case Study on Two-lane and Multi-lane Arterials,” Proceedings of the 98th Annual Meeting of the Transportation Research Board, Washington, DC.

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19. Haule, H., Alluri, P., Sando, T., and Raihan, M. A., (2019) “Investigating the Impact of Rain on Crash Clearance Duration,” Proceedings of the 98th Annual Meeting of the Transportation Research Board, Washington, DC.
20. Gonzalez, M., Alluri, P., and Raihan, M. A. (2018). “Prioritizing Locations for Installing Street Lights: A Case Study on the City of Doral,” Proceedings of the 97th Annual Meeting of the Transportation Research Board, Washington, DC.
21. Sando, T., Alluri, P., Ponnaluri, R., and Ackert, M. (2018) “States’ Existing Practices in Mainstreaming TSMO in the Project Development Process,” Proceedings of the 97th Annual Meeting of the Transportation Research Board, Washington, DC.
22. Haule, H., Sando, T., Alluri, P., Lentz, R., and Chuan, C., (2018) “Evaluating the Impact and Clearance Duration of Freeway Incidents,” Proceedings of the 97th Annual Meeting of the Transportation Research Board, Washington, DC.
23. Wu, W., Gan, A., and Alluri, P. (2018). “Feasibility of Using Police Crash Records as a Potential Data Source for Acquisition and Continued Updates of Posted Speed Limits,” Proceedings of the 97th Annual Meeting of the Transportation Research Board, Washington, DC.
24. Alluri, P., Saha, D., Gan, A., and Wang, H. (2018). “Decision Support System for Selecting Highway Safety Manual (HSM) Methods,” Proceedings of the 97th Annual Meeting of the Transportation Research Board, Washington, DC.
25. Kitali, A., Kidando, E., Martz, P., Alluri, P., Sando, T., Moses, R., and Lentz, R. (2018). Evaluating Factors Influencing the Severity of Three-plus Multiple-vehicle Crashes Using Real-Time Traffic Data,” Proceedings of the 97th Annual Meeting of the Transportation Research Board, Washington, DC (Revised version was published in *Transportation Research Record: Journal of the Transportation Research Board*).
26. Ogle, J., Alluri, P., Zang, C., Rajabi, M., Sarasua, W., and Bendigeri, V. (2018). “Methods to Define Homogeneous Segments and Assign Crashes for Highway Safety Manual Applications,” Proceedings of the 97th Annual Meeting of the Transportation Research Board, Washington, DC.
27. Tang, L., Gan, A., Cevallos, F., and Alluri, P. (2018) “Characteristics of Bus Transit Vehicles in the United States: A 30-Year National Trend Analysis,” Proceedings of the 97th Annual Meeting of the Transportation Research Board, Washington, DC (Revised version was published in *Transportation Research Record: Journal of the Transportation Research Board*).
28. Salum, J., Kitali, A., Bwire, H., Sando, T., and Alluri, P. (2018) “Factors Influencing the Severity of Motorcycle Crashes in Dar es Salaam,” Proceedings of the 97th Annual Meeting of the Transportation Research Board, Washington, DC (Revised version was published in *Traffic Injury Prevention Journal*).
29. Gan, A., Alluri, P., and Wang, H. (2017). “Prototype System for Collection of Safety Data from Police Crash Reports,” Proceedings of the 96th Annual Meeting of the Transportation Research Board, Washington, DC.
30. Alluri, P., Gan, A., Saha, D., and Fernandez, L. (2017). “Evaluation of Signage Alternatives for Express Lane Facilities: A Focus Group Study,” Proceedings of the 96th Annual Meeting of the Transportation Research Board, Washington, DC (Revised version was published in *Transportation Research Record: Journal of the Transportation Research Board*).
31. Gan, A., Alluri, P., Raihan, M. A., Liu, K., Saha, D., and Jung, R. (2017). “An Automated System for Prioritizing Highway Improvement Locations and Analyzing Project Alternatives,” Proceedings of the 96th Annual Meeting of the Transportation Research Board, Washington, DC (Revised version was published in *Transportation Research Record: Journal of the Transportation Research Board*).

32. Saha, D., Alluri, P., Wu, W., and Gan, A. (2017). "Analysis of Bicycle Crashes with Spatial Autocorrelation: A Comparison of Conditional Autoregressive Models," Proceedings of the 96th Annual Meeting of the Transportation Research Board, Washington, DC.
33. Raihan, M. A., Alluri, P., Gan, A., and Jung, R (2016). "Application of the Analytic Network Process (ANP) in Prioritizing Highway Improvement Locations," Proceedings of the 95th Annual Meeting of the Transportation Research Board, Washington, DC.
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35. Fartash, H., Alluri, P., Gan, A., Lavasani, M., and Haleem, K. (2016). "Performance of Rectangular Rapid Flashing Beacons (RRFBs) at Midblock Pedestrian Crossings," Proceedings of the 95th Annual Meeting of the Transportation Research Board, Washington, DC.
36. Srinivasan, S., Haas, P., Alluri, P., Gan, A., and Bonneson, J. (2016). "Crash Prediction Method for Freeway Segments with High Occupancy Vehicle (HOV) Lanes," Proceedings of the 95th Annual Meeting of the Transportation Research Board, Washington, DC.
37. Haleem, K., Alluri, P., and Gan, A. (2016). "Investigating Fractal Characteristics in Crash Trends for Potential Traffic Safety Prediction," Proceedings of the 95th Annual Meeting of the Transportation Research Board, Washington, DC.
38. Sadeghvaziri, E., Haleem, K., Alluri, P., Fartash, H., and Gan, A. (2016). "Effects of Different Guide Signs on Driver Behavior at Express Lane Entrance: A Driving Simulation Study," Proceedings of the 95th Annual Meeting of the Transportation Research Board, Washington, DC.
39. Alluri, P., Gan, A., Diaz, A., and Steiner, R. (2015). "Safety Impacts of Access Management Features in the Vicinity of Roundabouts," Proceedings of the 94th Annual Meeting of the Transportation Research Board, Washington, DC (Revised version was published in *Transportation Research Record: Journal of the Transportation Research Board*).
40. Alluri, P., Gan, A., and Liu, K. (2015). "Preparing Input Data for SafetyAnalyst Implementation: The Florida Experience," Proceedings of the 94th Annual Meeting of the Transportation Research Board, Washington, DC (Revised version was published in *Journal of Transportation Safety & Security*).
41. Alluri, P., Saha, D., and Gan, A. (2015). "Prioritization of Highway Safety Manual (HSM) Data Variables using Random Forest Algorithm," Proceedings of the 94th Annual Meeting of the Transportation Research Board, Washington, DC (Revised version was published in *Journal of Advanced Transportation*).
42. Sisiopiku, V., Islam, M., Haleem, K., Gan, A., and Alluri, P. (2015). "Investigation of the Potential Relationship between Crash Occurrence and the Presence of Digital Advertising Billboards in Alabama and Florida," Proceedings of the 94th Annual Meeting of the Transportation Research Board, Washington, DC.
43. Alluri, P., Gan, A., and Haleem, K. (2014). "Pedestrian Safety at Signalized Intersections," Proceedings of the 2nd ASCE Transportation and Development Institute (T&DI) Congress, Orlando, FL, pp. 458-466.
44. Haleem, K., Gan, A., and Alluri, P. (2014). "Exploration of Fractal Characteristics in Crash Data," Proceedings of the 2nd ASCE Transportation and Development Institute (T&DI) Congress, Orlando, FL, pp. 487-497.
45. Lu, J., Haleem, K., Gan, A., and Alluri, P. (2014). "Safety Performance Functions for Florida's Freeways," Proceedings of the 2nd ASCE Transportation and Development Institute (T&DI) Congress, Orlando, FL, pp. 321-331.

46. Alluri, P., Gan, A., and Haleem, K. (2014). "Safety Impacts of Converting Two-Way Left-Turn Lanes to Raised Medians and Associated Design Concerns," Proceedings of the 93rd Annual Meeting of the Transportation Research Board, Washington, DC (Revised version was published in *Journal of the Transportation Research Forum*).
47. Alluri, P., Echezabal, E., Diaz, A., and Gan, A. (2014). "Businesses' Reaction to Conversion from Two-way Left-turn Lanes to Raised Medians," Proceedings of the 93rd Annual Meeting of the Transportation Research Board, Washington, DC.
48. Tang, L., Gan, A., and Alluri, P. (2014). "Automatic Extraction of Number of Lanes from Geo-Rectified Aerial Images," Proceedings of the 93rd Annual Meeting of the Transportation Research Board, Washington, DC (Revised version was published in *Transportation Research Record: Journal of the Transportation Research Board*).
49. Saha, D., Alluri, P., Haleem, K., Gan, A. and McCarthy, D. (2014). "Evaluation of Hybrid Static-Dynamic Sign Designs: A Focus Group Study," Proceedings of the 93rd Annual Meeting of the Transportation Research Board, Washington, DC.
50. Suksawang, N., Alluri, P., Gan, A., Meneses, K., Cevallos, F., Haleem, K., and Saha, D. (2014). "Feasibility and Design of Movable Bus Stop Boarding and Alighting Pads," Proceedings of the 93rd Annual Meeting of the Transportation Research Board, Washington, DC (Revised version was published in *Journal of Public Transportation*).
51. Haleem, K., Gan, A., Alluri, P., and Saha, D. (2014). "Identification of Safety Practices, Issues, and Needs of Local Transportation and Law Enforcement Agencies," Proceedings of the 93rd Annual Meeting of the Transportation Research Board, Washington, DC (Revised version was published in *Journal of the Transportation Research Forum*).
52. Alluri, P., Haleem, K., and Gan, A. (2013). "In-service Performance Evaluation of Cable Median Barriers on Florida's Limited Access Facilities," Proceedings of the 92nd Annual Meeting of the Transportation Research Board, Washington, DC (Revised version was published in *Traffic Injury Prevention Journal*).
53. Ma, M., Alluri, P., and Gan, A. (2013). "Development of a Geographic Information System for SafetyAnalyst for Location Selection and Output Visualization," Proceedings of the 92nd Annual Meeting of the Transportation Research Board, Washington, DC.
54. Tang, L., Gan, A., and Alluri, P. (2013). "A Framework for Automatic Identification and Extraction of Travel Lane Information from Geo-Rectified Aerial Images Using Support Vector Machine," Proceedings of the 92nd Annual Meeting of the Transportation Research Board, Washington, DC.
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57. Lu, J., Haleem, K., Alluri, P., and Gan, A. (2013). "Full versus Simple Safety Performance Functions: A Comparison Based on Urban Four-Lane Freeway Interchanges in Florida," Proceedings of the 92nd Annual Meeting of the Transportation Research Board, Washington, DC (Revised version was published in *Transportation Research Record: Journal of the Transportation Research Board*).
58. Alluri, P. and Ogle, J. (2012). "Effect of Variations of CMFs on Predicted Crash Frequency on Rural Two-Lane Highways: Sensitivity Analysis," Proceedings of the 91st Annual Meeting of the Transportation Research Board, Washington, DC.

59. Alluri, P. and Ogle, J. (2012). “Effects of State-Specific SPFs, AADT Estimations, and Overdispersion Parameters on Crash Predictions Using SafetyAnalyst,” Proceedings of the 91st Annual Meeting of the Transportation Research Board, Washington, DC.
60. Lu, J., Gan, A., Haleem, K., Alluri, P., and Liu, K. (2012). “Comparing Locally-Calibrated and SafetyAnalyst-Default Safety Performance Functions for Florida’s Urban Freeways,” Proceedings of the 91st Annual Meeting of the Transportation Research Board, Washington, DC (Revised version was published in *Safety Science*).
61. Alluri, P. and Ogle, J. (2012). “Road Safety Analysis in the United States: States’ Current Practices and Their Future Direction,” Proceedings of the 91st Annual Meeting of the Transportation Research Board, Washington, DC (Revised version was published in *Transportation Research Record: Journal of the Transportation Research Board*).
62. Ogle, J., and Alluri, P. (2011). “Getting Started with SafetyAnalyst: Georgia’s Triumph,” Proceedings of the 90th Annual Meeting of the Transportation Research Board, Washington, DC.
63. Ogle, J., Alluri, P., and Sarasua, W. (2011). “MMUCC and MIRE: The Role of Segmentation in Safety Analysis,” Proceedings of the 90th Annual Meeting of the Transportation Research Board, Washington, DC.
64. Alluri, P., Ogle, J., Xie, F., Gladhill, K., Dixon, K., and Monsere, C. (2011). “Comparison of Calibration Factors Obtained Using Oregon and Georgia Data to Implement HSM Procedures on Two-Lane Two-Way Rural Roads,” Proceedings of the 2011 ITE Technical Conference and Exhibits, Orlando, FL.
65. Crisler, M., Brooks, J., Ogle, J., Guirl, C., Alluri, P. and Dixon, K. (2008). “Effect of Wireless Communication and Entertainment Devices on Simulated Driving Performance,” Proceedings of the 87th Annual Meeting of the Transportation Research Board, Washington, DC (Revised version was published in *Transportation Research Record: Journal of the Transportation Research Board*).

Final Research Reports (47 in total)

1. Alluri, P. and Kodi, J. (2021) *Identifying and Prioritizing Target Regions to Conduct Outreach Activities to Improve Safety and Mobility of Aging Population*. Final Research Report, Florida Department of Transportation, Tallahassee, FL.
2. Alluri, P., Sando, T., Kitali, A., Monyo, D., and Wang, H (2021) *Strategies to Identify and Mitigate Secondary Crashes using Real-time Traffic Data on Florida’s Turnpike System*. Final Research Report, Florida Department of Transportation, Tallahassee, FL.
3. Alluri, P., Kadeha, C., Wu, W., and Kitali, A. (2020) *Guidelines for Installing Pedestrian Treatments at Midblock Locations*. Final Research Report, Florida Department of Transportation, Tallahassee, FL.
4. Alluri, P., Sando, T., Kadeha, C., Haule, H., Salum, J., Ali, M.S., Kodi, J., and Kitali, A. (2020). *Developing Florida-specific Mobility Enhancement Factors (MEFs) and Crash Modification Factors (CMFs) for TSM&O Strategies*, Final Research Report, Florida Department of Transportation, Tallahassee, FL.
5. Alluri, P., Broderick, K., Romeo-Garcia, A., and Massenat, N. (2020). *Evaluation of the Pavement Marking Conditions in the City of Miami Beach*, Final Research Report, City of Miami Beach, FL.
6. Alluri, P., Wu, W., Nafis, S., Kadeha, C., and Hagen, L. (2019). *Strategies to Mitigate Wrong-way Driving Incidents on Arterials*, Final Research Report, Florida Department of Transportation, Tallahassee, FL.
7. Gan, A., Wu, W., Wang, H., and Alluri, P. (2019). *Feasibility of Using Video Image Detectors for Ramp Signal Operations and Performance Monitoring*, Final Research Report, Florida Department of Transportation, Tallahassee, FL.

8. Sando, T., Alluri, P., and Angel, M., (2019). *Exploring the Modified Procurement Framework for Expediting Florida Connected Vehicle (CV) Deployments*, Final Research Report, Florida Department of Transportation, Tallahassee, FL.
9. Sando, T., Alluri, P., Chuan, C., Haule, H., Kitali, A., Lentz, R., and Huq, A. (2018). *Evaluation of Incident Response Improvements for Statewide Application: Learning from the New Regional Traffic Management Center in Jacksonville, Florida*, Final Research Report, Florida Department of Transportation, Tallahassee, FL.
10. Alluri, P., Wu, W., Nafis, S., and Hagen, L. (2018). *A Data-Driven Approach to Implementing Wrong-way Driving Countermeasures*, Final Research Report, Florida Department of Transportation, Tallahassee, FL.
11. Alluri, P., Kitali, A., and Soto, F. (2018). *Evaluation of Photo Red Light Enforcement Program in the City of Miami Beach*, Final Research Report, City of Miami Beach, FL.
12. Alluri, P. (2018). *Generation of 2015-2016 Input Data for SafetyAnalyst*, Final Research Report, Florida Department of Transportation, Tallahassee, FL.
13. Alluri, P., Nafis, S., Soto, F., Gonzalez, M., and Gan, A. (2018). *Use of Communication Technologies to Enhance Public Involvement in Transportation Projects*, Final Research Report, Florida Department of Transportation, Tallahassee, FL.
14. Gan, A., Wu, W., Orabi, W., and Alluri, P. (2018). *Effectiveness of Stationary Policy Vehicles with Blue Lights in Freeway Work Zones*, Final Research Report, Florida Department of Transportation, Tallahassee, FL.
15. Sando, T., Alluri, P., Hagen, L., Angel, M., and Saha, D. (2018). *Evaluation of Project Processes in Relation to Transportation Systems Management and Operations (TSM&O)*, Final Research Report, Florida Department of Transportation, Tallahassee, FL.
16. Alluri, P., Gonzalez, M., and Raihan, M. A. (2017). *Doral Citywide Roadway Lighting Study*. Final Research Report, City of Doral, Doral, FL.
17. Alluri, P., Raihan, M. A., Saha, D., Wu, W., Huq, A., Nafis, S., and Gan, A. (2017). *Statewide Analysis of Bicycle Crashes*, Final Research Report, Florida Department of Transportation, Tallahassee, FL.
18. Alluri, P. (2016). *Statewide Training of SafetyAnalyst in Florida*, Final Research Report, Southeastern Transportation Research Innovation, Development and Education Consortium, Gainesville, FL.
19. Lin, P., Ozkul, S., Boot, W., Alluri, P., Hagen, L., and Guo, R. (2016). *Comparing Countermeasures for Mitigating Wrong-Way Entries onto Limited Access Facilities*, Final Research Report, Florida Department of Transportation, Tallahassee, FL.
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21. Alluri, P., Gan, A. Saha, D., Ortega, L., and Sadeghvaziri, E. (2017). *Evaluation of Signage Alternatives for Express Lane Facilities*, Final Research Report, National Center for Transportation Systems Productivity and Management, Atlanta, GA.
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23. Alluri, P., Liu, K., Gan, A., and Saha, D. (2016). *Generation of 2011-2014 Input Data for SafetyAnalyst*, Final Research Report, Florida Department of Transportation, Tallahassee, FL.

24. Gan, A., Raihan, M. A., Alluri, P., Liu, K., and Saha, D. (2016). *Updating and Improving Methodology for Prioritizing Highway Project Locations on the Strategic Intermodal System (SIS)*, Final Research Report, Florida Department of Transportation, Tallahassee, FL.
25. Gan, A., Wang, H., and Alluri, P. (2016). *Feasibility of a Web-Based System for Police Report Review and Information Recording*, Final Research Report, Florida Department of Transportation, Tallahassee, FL.
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27. Srinivasan, S., Haas, P., Alluri, P., Gan, A., and Bonneson, J. (2015). *Crash Prediction Method for Freeway Facilities with High Occupancy Vehicle (HOV) and High Occupancy Toll (HOT) Lanes*, Final Research Report, Florida Department of Transportation, Tallahassee, FL.
28. Gan, A., Wu, W., and Alluri, P. (2015). *Feasibility of Applying a Crowd Monitoring System to Improve Pedestrian Safety*, Final Research Report, Florida Department of Transportation District Four, Fort Lauderdale, FL.
29. Sisiopiku, V., Stavrinou, D., Sullivan, A., Islam, M., Wittig, S., Haleem, K., Gan, A., and Alluri, P. (2015). *Digital Advertising Billboards and Driver Distraction*, Final Research Report, National Center for Transportation Systems Productivity and Management, Atlanta, GA.
30. Gan, A., Fartash, H., and Alluri, P. (2014). *Evaluation of Rectangular Rapid Flashing Beacon (RRFB), Pedestrian Traffic Signal, and Pedestrian Hybrid Beacon (PHB) Locations on West Flagler Street in Miami*, Final Research Report, Florida Department of Transportation District Six, Miami, FL.
31. Alluri, P., Saha, D., Liu, K., and Gan, A. (2014). *Improved Processes for Meeting the Data Requirements for Implementing the Highway Safety Manual and SafetyAnalyst in Florida*, Final Research Report, Florida Department of Transportation, Tallahassee, FL.
32. Steiner, R., Washburn, S., Elefteriadou, L., Gan, A., Alluri, P., Michalaka, D., Xu, R., Rachmat, S., Lytle, B., and Cavaretta, A. (2014). *Roundabouts and Access Management*, Final Research Report, Florida Department of Transportation, Tallahassee, FL.
33. Alluri, P., Haleem, K., Gan, A., Lavasani, M., and Saha, D. (2013). *Comprehensive Study to Reduce Pedestrian Crashes in Florida*, Final Research Report, Florida Department of Transportation, Tallahassee, FL.
34. Haleem, K., Alluri, P., Gan, A., Li, H., and Li, T. (2013). *Synthesis of the Advance in and Application of Fractal Characteristics of Traffic Flow*, Final Research Report, Florida Department of Transportation, Tallahassee, FL.
35. Suksawang, N., Gan, A., Alluri, P., Haleem, K., Meneses, K., Cevallos, F., and Saha, D. (2013). *Analysis of Movable Bus Stop Boarding and Alighting Areas*, Final Research Report, Florida Department of Transportation, Tallahassee, FL.
36. Wu, W., Wang, H., and Alluri, P. (2013). *Automatic Incident Detection Using Real-Time Traffic Detector Data*, Special Report, Submitted to District Six Traffic Operations Office ITS Section, Florida Department of Transportation, Miami, FL.
37. Alluri, P., Gan, A., Haleem, K., Miranda, S., Echezabal, E., Diaz, A., and Ding, S. (2012). *Before-and-After Safety Study of Roadways Where New Medians Have Been Added*, Final Research Report, Florida Department of Transportation, Tallahassee, FL.
38. Alluri, P., Haleem, K., and Gan, A. (2012). *In-Service Performance Evaluation (ISPE) for G4 (1S) Type of Strong-Post W-Beam Guardrail System and Median Cable Barrier: Volume I*, Final Research Report, Florida Department of Transportation, Tallahassee, FL.

39. Alluri, P., Haleem, K., and Gan, A. (2012). *In-Service Performance Evaluation (ISPE) for G4 (IS) Type of Strong-Post W-Beam Guardrail System and Median Cable Barrier: Volume II*, Final Research Report, Florida Department of Transportation, Tallahassee, FL.
40. Gan, A., Saha, D., Haleem, K., Alluri, P., and McCarthy, D. (2012). *Best Practices in the Use of Hybrid Static-Dynamic Signs*, Final Research Report, Florida Department of Transportation, Tallahassee, FL.
41. Gan, A., Haleem, K., Alluri, P., and Saha, D. (2012). *Standardization of Crash Analysis in Florida*, Final Research Report, Florida Department of Transportation, Tallahassee, FL.
42. Gan, A., Haleem, K., Alluri, P., Lu, J., Wang, T., Ma, M., and Diaz, C. (2012). *Preparing Florida for Deployment of SafetyAnalyst for All Roads*, Final Research Report, Florida Department of Transportation, Tallahassee, FL.
43. Gan, A., Zhu, X., Liu, K., Alluri, P., and Robbins, C. (2011). *Integrated Database and Analysis System for the Evaluation of Freeway Corridors for Potential Ramp Signaling*, Final Research Report, Florida Department of Transportation, Tallahassee, FL.
44. Alluri, P. (2010). *Development of Guidance for States Transitioning to Advanced Safety Analysis Tools*, Doctoral Dissertation, Clemson University, Clemson, SC.
45. Ogle, J. and Alluri, P. (2009). *Assessment of Potential Site Selection Methods for Use in Prioritizing Safety Improvements on Georgia Roadways*, Final Research Report, Georgia Department of Transportation, Atlanta, GA.
46. Ogle, J., Sarasua, W., Dillon, J., Bendigeri, V., Anekar, S., and Alluri, P. (2009). *Support for the Elimination of Roadside Hazards: Evaluating Roadside Collision Data and Clear Zone Requirements*, Final Research Report, South Carolina Department of Transportation, Columbia, SC.
47. Alluri, P. (2008). *Assessment of Potential Data-Driven Approaches for Prioritizing Improvements to Georgia Roadways*, Master's Thesis, Clemson University, Clemson, SC.
48. Dixon, K., Zhu, H., Ogle, J., Brooks, J., Hein, C., Alluri, P., and Crisler, M. (2008). *Simulation of Roadway Design Treatments for Rural Transition Areas*, Project SPR 631, Oregon State University, prepared for the Oregon Department of Transportation, Salem, OR.
49. Ogle, J., Brooks, J., Hein, C., Crisler, M., Alluri, P., and Guirl, C. (2007). *Determining Effective Roadway Design Treatments for Transitioning from Rural Areas to Urban Areas on State Highways*, Final Research Report, Oregon State University, Corvallis, OR.

Technical Articles and Short Report (4 in total)

1. Kitali, A., and Alluri, P. (2019). "A Journey Toward Active Lifestyle," *FLITE Magazine*, Florida Puerto Rico District Institute of Transportation Engineers, Vol. 61, No. 2, pp. 33-34, October 2019.
2. Alluri, P., and Ponnaluri, R. (2018). "Drafting, Designing, and Deploying Wrong-Way Driving Initiative," White Paper to the Institute of Transportation Engineers, July 2018.
3. Alluri, P., Haleem, K., Gan, A., and Mauthner, J. (2013). "Safety Performance of Cable Median Barriers on Florida's Freeways," *FLITE Magazine*, Florida Section Institute of Transportation Engineers, Vol. 54, No. 2, pp. 6-8, September 2013.
4. Saha, D., Gan, A., and Alluri, P. (2012). *Sign Information Included for Managed Lane Facilities: A State-of-the-Practice Summary*, Special Report, Submitted to Florida Department of Transportation District 4.

PRESENTATIONS**Invited Presentations (53 in total)**

1. “Research, Publications, & More: Insights from a Researcher,” Invited Presentation, Roadmap for Effective Research Using Advanced Techniques and Tools (REAT 2022) Workshop, National Institute of Technology, Calicut, February 14-18, 2022.
2. “Role of TSM&O in Improving Freeway Operations,” Invited Presentation, Freight Mobility Research Institute (FMRI), March 17, 2021.
3. “Recent Advances in Transportation Engineering Infrastructure,” Invited Key Note Address at the RACE-2019 Conference, Muffakham Jah College of Engineering and Technology, Hyderabad, India, December 16-18, 2019.
4. “TSM&O Strategies: The What, Why, & How?,” Invited Webinar to the FDOT Local Agency Traffic Safety Academy, September 24, 2019.
5. “Wrong-Way Driving Initiative in Florida,” Invited Poster Presentation at 2019 FDOT Innovation Expo, June 27, 2019.
6. “Drafting, Designing, and Deploying Wrong-Way Driving Initiative in Florida,” Invited Presentation at the Institute of Transportation Engineers (ITE) Webinar Series, May 23, 2019 (co-presented with Dr. Raj Ponnaluri).
7. “What Does our Bicycle Crash Data Tell Us?,” Invited Presentation at the Pedestrian and Bicycle Advisory Committee, Miami, FL, January 22, 2019.
8. “A Comprehensive Review of States’ Existing Practices in Using Communication Technologies to Increase Public Involvement for Transportation Projects,” 98th Annual Meeting of the Transportation Research Board, Washington, DC, January 13-17, 2019.
9. “Analysis of Bicycle Crashes with Spatial Autocorrelation: A Comparison of Conditional Autoregressive Models,” 96th Annual Meeting of the Transportation Research Board, Washington, DC, January 08-12, 2017.
10. “Safety Analyst: The What, Why, and How,” 2018 FSITE Annual Meeting, Fort Lauderdale, FL, October 29-31, 2018.
11. “Drafting, Designing, and Deploying Wrong-Way Driving Initiative in Florida,” Invited Presentation at the Florida Atlantic University, Boca Raton, FL, October 17, 2018.
12. “Application of the Highway Safety Manual in Florida,” 2018 FDOT Transportation Symposium, Orlando, FL, June 18-20, 2018 (co-presented with Jeremy Fletcher and Joe Santos).
13. “Evaluation of Project Processes in Relation to TSM&O,” 2018 FDOT Transportation Symposium, Orlando, FL, June 18-20, 2018 (co-presented with Larry Hagen).
14. “Bridging the Gap Between Research and Practice in Transportation Safety,” Invited Presentation at the University of South Florida, Tampa, FL, October 20, 2017.
15. “Statewide Training of Safety Analyst in Florida,” STRIDE Research Summer Seminar, Gainesville, FL, June 02, 2017.
16. “Prototype System for Collection of Safety Data from Police Crash Reports,” 96th Annual Meeting of the Transportation Research Board, Washington, DC, January 08-12, 2017.
17. “Evaluation of Signage Alternatives for Express Lane Facilities: A Focus Group Study,” 96th Annual Meeting of the Transportation Research Board, Washington, DC, January 08-12, 2017.

18. "An Automated System for Prioritizing Highway Improvement Locations and Analyzing Project Alternatives," 96th Annual Meeting of the Transportation Research Board, Washington, DC, January 08-12, 2017.
19. "Analysis of Bicycle Crashes with Spatial Autocorrelation: A Comparison of Conditional Autoregressive Models," 96th Annual Meeting of the Transportation Research Board, Washington, DC, January 08-12, 2017.
20. "Development of Decision Making Tool for Highway Safety Manual Implementation," 2016 Florida Section ASCE Conference, Jacksonville, FL, July 14-16, 2016.
21. "Engineering Statistics 101 for Safety," 2015 FDOT Design Training Expo, Orlando, FL, June 9-11, 2015.
22. "Development of a Decision Making Process for the Highway Safety Manual Implementation," 2015 UTC Conference for the Southeastern Region, Birmingham, AL, March 26-27, 2015.
23. "Comprehensive Study to Reduce Pedestrian Crashes in Florida," Presented to The Florida Senate Transportation Committee, Tallahassee, FL, March 12, 2015.
24. "Safety Impacts of Access Management Features in the Vicinity of Roundabouts," 94th Annual Meeting of the Transportation Research Board, Washington, DC, January 11-15, 2015.
25. "Preparing Input Data for SafetyAnalyst Implementation: The Florida Experience," 94th Annual Meeting of the Transportation Research Board, Washington, DC, January 11-15, 2015.
26. "Prioritization of Highway Safety Manual (HSM) Data Variables using Random Forest Algorithm," 94th Annual Meeting of the Transportation Research Board, Washington, DC, January 11-15, 2015.
27. "Pedestrian Safety at Signalized Intersections in Florida," 2nd ASCE Transportation and Development Institute (T&DI) Congress, Orlando, FL, June 8-11, 2014.
28. "Pedestrian Safety – As It Relates to Access Management," Regular Statewide Access Management Coordination Webinar, May 27, 2014 (co-presented with A. Gan).
29. "Pedestrian Safety at Signalized Intersections in Florida," 2014 UTC Conference for the Southeastern Region, Atlanta, GA, March 24-25, 2014.
30. "Feasibility and Design of Movable Bus Stop Boarding and Alighting Pads," 93rd Annual Meeting of the Transportation Research Board, Washington, DC, January 12-16, 2014.
31. "Safety Impact of Roundabout Design on Vulnerable Road Users and Development of Roundabout Access Management Guidelines," 93rd Annual Meeting of the Transportation Research Board, Washington, DC, January 12-16, 2014.
32. "Safety Impacts of Converting Two-Way Left-Turn Lanes to Raised Medians and Associated Design Concerns," 93rd Annual Meeting of the Transportation Research Board, Washington, DC, January 12-16, 2014 (co-presented with K. Haleem).
33. "Businesses' Reaction to Conversion from Two-way Left-turn Lanes to Raised Medians," 93rd Annual Meeting of the Transportation Research Board, Washington, DC, January 12-16, 2014.
34. "Data Needs for Implementing the Highway Safety Manual in Florida," Transportation Safety: From Research to Practice, University of Florida Safety Symposium, Orlando, FL, April 03, 2013.
35. "Florida's Deployment of SafetyAnalyst," Transportation Safety: From Research to Practice, University of Florida Safety Symposium, Orlando, FL, April 03, 2013 (co-presented with K. Haleem).
36. "Before-and-After Safety Study of Roadways Where New Medians Have Been Added," National Access Management Webinar, February 20, 2013 (co-presented with Mr. G. Sokolow, FDOT).
37. "Focus Group Study of Hybrid Static-Dynamic Signs for Traffic Safety Improvements," UTC Safety Symposium at University of Central Florida, Orlando, FL, February 14-15, 2013.

38. "Safety Evaluation of Cable Median Barriers in Florida," UTC Safety Symposium at University of Central Florida, Orlando, FL, February 14-15, 2013.
39. "In-service Performance Evaluation of Cable Median Barriers on Florida's Limited Access Facilities," 92nd Annual Meeting of the Transportation Research Board, Washington, DC, January 13-17, 2013.
40. "Development of a Geographic Information System for SafetyAnalyst for Location Selection and Output Visualization," 92nd Annual Meeting of the Transportation Research Board, Washington, DC, January 13-17, 2013 (co-presented with Ms. M. Ma).
41. "Advanced Methods in Highway Safety Analysis," Graduate Seminar, Department of Civil and Environmental Engineering, Florida International University, Miami, FL, September 07, 2012.
42. "Effect of Variations of CMFs on Predicted Crash Frequency on Rural Two-Lane Highways: Sensitivity Analysis," 91st Annual Meeting of the Transportation Research Board, Washington, DC, January 22-26, 2012 (co-presented with J. Ogle).
43. "Effects of State-Specific SPFs, AADT Estimations, and Overdispersion Parameters on Crash Predictions Using SafetyAnalyst," 91st Annual Meeting of the Transportation Research Board, Washington, DC, January 22-26, 2012 (co-presented with J. Ogle).
44. "Comparison of Calibration Factors Obtained Using Oregon and Georgia Data to Implement HSM Procedures on Two-Lane Two-Way Rural Roads," ITE International Technical Conference and Exhibits, Orlando, FL, April 04, 2011.
45. "SafetyAnalyst: The Georgia Experience," 90th Annual Meeting of the Transportation Research Board, Washington, DC, January 23-27, 2011 (co-presented with J. Ogle).
46. "Implementing SafetyAnalyst: States' Perspective with Specific Examples from Georgia," Southern District Institute of Transportation Engineers Annual Meeting, Lafayette, LA, April 10-13, 2011 (co-presented with J. Ogle).
47. "Safety Data - Can You Have Too Much of a Good Thing?" International Traffic Records Forum, New Orleans, LA, July 26-28, 2010 (co-presented with J. Ogle).
48. "SafetyAnalyst: The Georgia Experience," International Traffic Records Forum, New Orleans, LA, July 26-28, 2010 (co-presented with J. Ogle).
49. "Comparison of Traditional and Advanced Methods in Identifying Roadway Sections for Safety Improvements," Southern District Institute of Transportation Engineers Annual Meeting, Portsmouth, VA, April 11-14, 2010.
50. "SafetyAnalyst: The Georgia Experience," Southern District Institute of Transportation Engineers Annual Meeting, Portsmouth, VA, April 11-14, 2010 (co-presented with J. Ogle).
51. "Costs and Benefits of Implementing SafetyAnalyst in State Transportation Agencies," Southern District Institute of Transportation Engineers Annual Meeting, Charleston, SC, April 1, 2008.
52. "Investigation of South Carolina Older Driver Speeds in Rural Settings," South Carolina Aging Research Conference, Columbia, SC, April 13, 2007 (co-presented with S. Day).
53. "Determining Roadside Treatments to Increase Awareness within Older Driver Populations of Speed Reductions in Transition Areas from Rural to Urban Settings," South Carolina Aging Research Conference, Columbia, SC, April 13, 2007 (co-presented with C. Hein).

Focus Groups and Technical Workshops (As Organizer and Presenter) (9 in total)

1. *Safety Analyst Overview*, University of Florida T2 Center, Gainesville, Florida, October 15, 2018. Presented to researchers at the University of Florida T2 Center.
2. "Potential Applications of Safety Analyst," presented to the District Safety Engineers, Florida Department of Transportation, May 16, 2018.

3. *Safety Analyst Overview*, FIU Engineering Center, Miami, Florida, January 25, 2017. Presented to five Miami-Dade County Transportation Officials.
4. *Safety Analyst Workshop*, FIU Engineering Center, Miami, Florida, November 2-4, 2016. Presented to 25 Florida Department of Transportation District Safety Engineers.
5. “An Introduction to *Safety Analyst*,” presented to the District Safety Engineers, Florida Department of Transportation, December 1, 2015.
6. Presenter and moderator for six Focus Group Sessions for a USDOT project on Traffic Sign Alternatives at Entrances to Express Lanes, July 2015.
7. “Before and After Median Study: A Progress Report,” Florida Section ITE Winter Workshop, Orlando, FL, February 15, 2012.
8. Presenter and moderator for 10 Focus Group Sessions for a FDOT project on the Use of Hybrid Traffic Signs, September 2012.
9. “An Overview of SafetyAnalyst,” presented to the District Safety Officials, Florida Department of Transportation, November 07, 2011.

TEACHING EXPERIENCE

Courses Taught at Florida International University

Semester	Courses	Enrollment	Student Rating
Fall 2021	TTE 5315 ^b – Highway Safety Analysis	05	Not Available
Spring 2021	TTE 4804 ^a – Highway Geometric Design	10	4.20 (out of 5.0)
	TTE 5805 ^b – Highway Geometric Design	03	Not Available
Fall 2020	TTE 5315 ^b – Highway Safety Analysis	05	Not Available
Spring 2020	TTE 4804 ^a – Highway Geometric Design	19	3.53 (out of 5.0)
	TTE 5805 ^b – Highway Geometric Design	06	3.86 (out of 5.0)
Fall 2019	TTE 5315 ^b – Highway Safety Analysis	07	4.65 (out of 5.0)
Spring 2019	TTE 4804 ^a – Highway Geometric Design	19	3.53 (out of 5.0)
	TTE 5805 ^b – Highway Geometric Design	06	3.86 (out of 5.0)
Fall 2018	TTE 5315 ^b – Highway Safety Analysis	07	4.65 (out of 5.0)
Spring 2018	TTE 4804 ^a – Highway Geometric Design	22	4.20 (out of 5.0)
	TTE 5805 ^b – Highway Geometric Design	14	3.79 (out of 5.0)
Fall 2017	TTE 5315 ^b – Highway Safety Analysis	06	4.67 (out of 5.0)
Spring 2017	TTE 4804 ^a – Highway Geometric Design	30	3.48 (out of 4.0)
	TTE 5805 ^b – Highway Geometric Design	04	4.00 (out of 4.0)
Fall 2016	TTE 5315 ^b – Highway Safety Analysis	05	4.00 (out of 4.0)
Spring 2016	TTE 4804 ^a – Highway Geometric Design	22	2.63 (out of 4.0)
	TTE 5805 ^b – Highway Geometric Design	11	2.50 (out of 4.0)
Spring 2015	TTE 4804 ^a – Highway Geometric Design	13	2.78 (out of 4.0)
	TTE 5805 ^b – Highway Geometric Design	06	3.80 (out of 4.0)

^a Undergraduate Section; ^b Graduate Section

Courses Taught at Clemson University

- As instructor, CE 311 Transportation Engineering (undergraduate level online course), Summer 2011
- As co-instructor, CE 815 Transportation Safety Engineering (graduate level), Spring 2011
- As lab instructor, CE 411/611 Roadway Geometric Design using *GeoPak* with *MicroStation* (undergraduate and graduate level), Spring 2009

Guest Lectures

- Course: CGN 4980 FE Seminar
Topic: Probability and Statistics, FIU (Every Semester since Spring 2015)
- Course: Seminar for Undergraduate Students from Peru
Topic: Transportation Safety, FIU (10/18/2016)
- Course: CGN 6939 Graduate Seminar
Topic: Application of Advanced Statistical Models in Highway Safety Analysis, FIU (09/05/2014)
- Course: CGN 6939 Graduate Seminar
Topic: Advanced Methods in Highway Safety Analysis, FIU (09/07/2012)
- Course: TTE 5107 Highway Safety Analysis
Topic: SafetyAnalyst: A Comprehensive Safety Management Tool for DOTs, FIU (10/20/2011)
- Course: CE 311 Transportation Engineering
Topic: Transportation Capacity Analysis, Clemson University (02/08/2011)
- Course: CE 411/611 Roadway Geometric Design
Topic: Horizontal and Vertical Alignment of Roadways, Clemson University (02/07/2011 and 02/09/2011)
- Course: CE 311 Transportation Engineering
Topic: Geometric Design of Roadways, Clemson University (10/28/2010 and 11/02/2010)

Graduate Teaching Assistant

- CE 311 Transportation Engineering - Fall 2009, Spring 2010, and Summer 2010

PROFESSIONAL SERVICE AND MEMBERSHIPS

Professional Service

- *Member*, Pedestrian and Bicycle Safety Coalition, Florida Department of Transportation, 2021 - present
- *Peer Reviewer*, for:
 - Transportation Safety and Environment (2021 - present)
 - Case Studies on Transport Policy (2019 - present)
 - IATSS Research (2019 - present)
 - Journal of Traffic and Transportation Engineering (2018 - present)
 - Traffic Injury Prevention (2017 - present)
 - Transport Policy (2017 - present)
 - Journal of Transportation Engineering, Part A: Systems (2016 - present)
 - Transportmetrica A: Transport Science (2016 - present)
 - Accident Analysis & Prevention Journal (2015 - present)
 - Journal of Transportation Safety and Security (2015 - present)
 - Transportation Research Record: Journal of the Transportation Research Board (2012 - present)
 - Committee on Statistical Methods (ABJ80)
 - Committee on Pedestrians (ANF10)
 - Committee on Safety Data, Analysis and Evaluation (ANB20)
 - Committee on Signing and Marking Materials (AHD55)
 - Committee on Traffic Control Devices (AHB50)
 - ASCE Journal of Professional Issues in Engineering Education and Practice (2012 - present)
 - IEEE Transactions on Intelligent Transportation Systems and Intelligent Transportation Systems Magazine, 2011
- *NCHRP Panel Member*, for:

- Project 17-95: Crash Modification Factors for Intelligent Transportation Systems (ITS) Applications, August 2019 - present
- Project 22-45: Understanding and Analyzing the Crash-Contributing Factors, August 2019 - present
- *Panelist*, for:
 - PE Civil Engineering Exam Standard Setting Study (Cut Score Workshop), May 2015
- *Conference Paper Reviewer*, for:
 - ASCE International Conference on Transportation and Development, 2019
 - ASCE International Conference on Transportation and Development, 2016
- *Conference Abstract Reviewer*, for:
 - The 3rd Annual Conference of the Transportation Research Group (CTRG) of India, 2015
 - ITE Technical Conference and Exhibits, Institute of Transportation Engineers, 2011
- *Research Proposal Reviewer*, for:
 - Freight Mobility Research Institute (FMRI), 2019
- *Report Reviewer*, for:
 - Southeastern Transportation Research, Innovation, Development & Education Center (STRIDE), 2014
- *Book Reviewer*, for:
 - Federal Highway Administration, 2016 (Road Safety Engineering Textbook)
- *Policy Reviewer*, for:
 - Proposals and recommendations by National Committee on Uniform Traffic Control Devices (NCUTCD), 2014
- *Moderator*, for:
 - Lectern Session on Keeping up with Speed Management, 2021 ITE Virtual Technical Conference, March 23-24, 2021
 - Lectern Session on Non-motorized and Aging Population Issues, 2015 UTC Conference for the Southeastern Region, Birmingham, AL, March 26-27, 2015
 - Lectern Session on Safety Performance and Risk Management for Highways, 2nd ASCE Transportation and Development Institute (T&DI) Congress, Orlando, FL, June 10-11, 2014

Professional Registrations/Certifications

- Road Safety Professional – Level 2-Infrastructure, ITE, 2021- present
- Road Safety Professional – Level 2-Behavioral, ITE, 2021- present
- Road Safety Professional – Level 1, ITE, 2021- present
- Class of the 2020 LeadershipITE Program, ITE International, 2019-2020
- Professional Engineer (P.E.) in South Carolina, License No. 31161
- Engineer-in-Training (E.I.T) in South Carolina, License No. 17368
- CITI Training – Research with Human Subjects, FIU, 2012
- Road Safety 101, Clemson University, 2011
- Certificate in Engineering and Science Education, Clemson University, 2010
- CITI Training – Research with Human Subjects, Clemson University, 2006 and 2011
- ESRI Geoprocessing with ArcGIS Desktop, Clemson University, 2009
- ESRI Learning ArcGIS Spatial Analyst, Clemson University, 2009

Professional Memberships

- *Member*, Committee on Pedestrians (ACH10), Transportation Research Board of the National Academies (2020 - present)
- *Member*, Committee on Public Engagement & Communications (AJE40) (formerly ADA60 -Public Involvement in Transportation Committee), Transportation Research Board of the National Academies (2019 - present)
- *Young Member*, Committee on Highway Safety Workforce Development (ANB23), Transportation Research Board of the National Academies (2013 - 2017)
- *Young Member*, Committee on Statistical Methodology and Statistical Computer Software in Transportation Research (ABJ80), Transportation Research Board of the National Academies (2011 - 2017)
- *Member*, American Society of Civil Engineers (2014 - present)
 - *Young Member*, ASCE Transportation Safety Committee (2014 - present)
- *Member*, ITE International (2006 - 2012; 2015 - present)
- *Member*, Florida Section ITE (2011 - 2013; 2015 - present)
- *Member*, Clemson University ITE Student Chapter (2006 - 2011)
 - *Secretary*, Clemson University ITE Student Chapter (2010 - 2011)
 - *President*, Clemson University ITE Student Chapter (2007 - 2008)
 - *Secretary*, Clemson University ITE Student Chapter (2006 - 2007)
 - *Student Senator*, Clemson University Graduate Student Government, representing ITE Student Chapter (2007 - 2008)
- *Member*, Women's Transportation Seminar (WTS), South Florida Chapter (2011 - 2012)
- *Member*, Women's Transportation Seminar (WTS), Charlotte Metro Chapter (2009 - 2010)
- *Member*, Chi Epsilon Civil Engineering Honor Society (inducted April 2007)
- *Member*, The *LeaderShape* Institute (2009)
- *Member*, Clemson University ASCE Student Chapter (2006 - 2010)

Involvement with ITE International

- *Vice-Chair*, Transportation Safety Council, 2021 - present.
- *Faculty Advisor*, FIU-ITE Student Chapter, 2016 - present
- *Class of the 2020 LeadershipITE Program*, ITE International, 2019 - 2020
- *Member*, ITE Professional Development Member Program Committee, 2021 - present.
- *Member*, ITE Coordinating Council Rebranding Task Force, 2021 - present.
- *Mentor*, Class of the 2021 LeadershipITE, ITE International, 2020 – 2021.
- *Panelist*, What You Need to Know Before You Graduate! ITE First Virtual Student Leadership Summit, February 19 - 20, 2021
- *Moderator*, Lectern Session on Keeping up with Speed Management, 2021 ITE Virtual Technical Conference, March 23-24, 2021
- *Member*, ITE International, 2006 - 2012; 2015 - present

Collaborators and Their Affiliations

- *Dr. Walter Boot*, Associate Professor, Psychology, Florida State University
- *Dr. Fabian Cevallos*, Transit Program Director, Florida International University
- *Mr. Jack Freeman*, Senior Principal, Kittelson & Associates, Inc.
- *Dr. Albert Gan*, Professor, Florida International University
- *Dr. Srinivas Geedipally*, Associate Research Engineer, Texas Transportation Institute
- *Mr. Larry Hagen*, Principal, Hagen Consulting Services
- *Dr. Xia Jin*, Associate Professor, Florida International University
- *Dr. Golam Kibria*, Professor, Florida International University
- *Dr. Pei-Sung Lin*, Professor, University of South Florida

- *Dr. Dennis McCarthy*, Associate Professor, Nova Southeastern University
- *Mr. Rick Mitinger*, General Manager, Advanced Transportation Engineering Consultants
- *Dr. Seckin Ozkul*, Research Associate Faculty, University of South Florida
- *Dr. Thobias Sando*, Professor, University of North Florida
- *Dr. Virginia Sisiopiku*, Associate Professor, The University of Alabama at Birmingham
- *Dr. Sivarmankrishna Srinivasan*, Associate Professor, University of Florida
- *Dr. Ruth Steiner*, Professor, University of Florida
- *Dr. Nakin Suksawang*, Assistant Professor, Florida Institute of Technology

Honors and Awards

- 2022 February Issue Editor's Choice Paper - Haule, H., Alluri, P., Sando, T. (2022) "Mobility Impacts of Ramp Metering Operations on Freeways" *ASCE Journal of Transportation Engineering, Part A: Systems*, Vol. 148(2).
- 2022 Outstanding Paper Award, TRB Committee on Pedestrians (ACH 10), for the Paper *Influence of Built Environment on Pedestrian Crashes: A Case of Miami-Dade County*. Coauthors: Fabio Soto, Angela Kitani, and Md Asif Raihan.
- Faculty Award for Excellence in Advising and Mentorship, FIU, 2020-2021
- 2020 ITE Coordinating Council Project of the Year Award, for the White Paper *Drafting, Designing, and Deploying Wrong-Way Driving Initiative*.
- 2020 AASHTO Sweet Sixteen Award, for the project *Developing Florida-specific Mobility Enhancement Factors (MEFs) and Crash Modification Factors (CMFs) for TSM&O Strategies*.
- 2020 ITE Rising Star, Florida-Puerto Rico ITE District
- 2019-2020 Legacy Fund Scholarship, ITE International
- Faculty Award for Excellence in Research and Creative Activities, FIU, 2017-2018
- Top 20 PI in New Research Funding in FIU College of Engineering and Computing, 2017-2018.
- 2019 AASHTO Sweet Sixteen Award, for the project *Development of Wrong-Way Driving (WWD) Countermeasure Implementation Plan*.
- 2018 Florida Section Young Transportation Professional of the Year, FSITE Annual Meeting, Fort Lauderdale, FL, 2018
- Faculty Mentorship Award, FIU College of Engineering and Computing, 2017-2018
- Research Project *Comprehensive Study to Reduce Pedestrian Crashes in Florida* was featured in the 2015 AASHTO High Value Research Safety Research Supplemental Brochure.

SERVICE ACTIVITIES

- Judge, 2021 NOCoE Transportation Technology Tournament
- Panelist, What You Need to Know before You Graduate, ITE Virtual Student Leadership Summit, Feb 18-20, 2021
- Faculty Advisor, Student Leadership Summit, FIU, Feb 07-09, 2020
- Judge, Student Poster Competition, Florida Automated Vehicle (FAV) Summit, Nov 20-22, 2019
- Campus Program Manager, FHWA's Dwight David Eisenhower Transportation Fellowship Program (DDETFP), 2019-2022
- Judge, Graduate 3MT Competition, FIU College of Engineering and Computing, 02/28/2019
- Judge, Undergraduate Research Showcase, 2018 Conference for Undergraduate Research at FIU, 03/27/2018
- Panelist, Alternative Ph.D. Career Paths, Graduate Student Appreciation Week at FIU, 03/21/2018
- Emcee, Opening Ceremony, 18th Annual Engineering Expo at FIU, 02/23/2018
- Panelist, Celebrating Women in the Workforce, UN Women at FIU Student Chapter, 02/21/2018
- Representative from CEE Department, NHTSA Safe Cars Save Lives Event, 08/09/2016
- Faculty Advisor, FIU Institute of Transportation Engineers (ITE) Student Chapter (2015 - present)
- Program Co-Organizer, Summer Transportation Camp at FIU (2015)

- *Program Coordinator*, Summer Transportation Camp at FIU (2014)
- *Coach*, FIU ITE Traffic Bowl Team (2012, 2014, 2015, and 2018)

STUDENT ADVISING

Ph.D. Committee Chair

1. Mr. John Kodi (Fall 2023): *TBD*
2. Mr. Henrick Haule (Summer 2021): *Estimation of the Mobility Benefits of Ramp Metering*
3. Mr. MD Sultan Ali (Summer 2021): *Quantifying the Mobility and Safety Benefits of Transit Signal Priority*
4. Ms. Angela Kitali (Fall 2020): *Strategies to Identify and Mitigate Secondary Crashes in Real-time*
5. Mr. Sajidur Rahman Nafis (Spring 2021): *Evaluation of Parametric and Nonparametric Models in Wrong-Way Driving Crash Severity Prediction*

Ph.D. Committee Co-Chair

1. Ms. Cecilia Kadeha (Fall 2021): *Safety Performance Measures for Managed Lanes Facilities*
2. Mr. Md Asif Raihan (Fall 2018): *Improved Methods for Network Screening & Countermeasure Selection for Highway Improvements*

Ph.D. Committee Member

1. Mr. Hossam Eldeen Abdel All (2024): *TBD* (Chair: Mohammad Hadi)
2. Mr. Md Mahmud Hasan Mamun (2022): *TBD* (Chair: Mohammad Hadi)
3. Ms. Kamar Amine (2022): *TBD* (Chair: Mohammad Hadi)
4. Mr. Hassan Jafari (2021): *Optimal Design of Inductive Power Transfer for Dynamic Electric Vehicle Charging Application* (Chair: Arif Sarwat)
5. Mr. Ghazaleh Azimi (2021): *Mode Choice on the era of Shared Mobility* (Chair: Xia Jin)
6. Ms. Alireza Rahimi (2021): *User Adoption of Automated Vehicle and Shared Mobility Options* (Chair: Xia Jin)
7. Mr. Rajib Chandra Saha (2020): *Data and Modeling Support for Integrated Corridor Management* (Chair: Mohammad Hadi)
8. Ms. Mosammat Tahnin Tariq (2020): *Multi Objective Signal Timing Optimization* (Chair: Mohammad Hadi)
9. Ms. Homa Fartash (2017): *Guidelines for Ramp Signaling Deployment* (Chair: Mohammad Hadi)
10. Mr. Jianmin Jia (2017): *Multi-Resolution Modeling to Support the Decision-Making Process in Highway Construction Projects* (Chair: Mohammad Hadi)
11. Mr. Li Tang (2015): *Automatic Extraction of Number of Lanes from Aerial Images for Transportation Applications* (Chair: Albert Gan)
12. Mr. Dibakar Saha (2014): *Improved Criteria for Estimating Calibration Factors for Highway Safety Manual (HSM) Applications* (Chair: Albert Gan)

M.S. Thesis Committee Member

1. Mr. Mehmet Goksel Gocmez (Fall 2021): *Investigating the Effects of Sea Level Rise-induced High Ground Water Table in Florida on Flexible Pavement Performance*

M.S. Project Committee Chair

1. Mr. Pierangiolo Bicchi (Summer 2021): *Impact of CoVID-19 on Pedestrian and Bicyclist Safety in Miami-Dade County*
2. Mr. Fabio Soto (Fall 2018): *Spatial Analysis and Bayesian Models to Identify and Analyze Pedestrian Crash Hotspots*
3. Ms. Trang Phan (Spring 2015): *Short-term Effects of Day Light Saving Time on Traffic Crashes in Florida*

M.S. Project Committee Co-Chair

1. Mr. Andres Diaz (2013): *Safety Analysis of Access Features at Roundabouts in Florida* (Co-Chair: Albert Gan)

M.S. Project Committee Member

1. Mr. Rodney Carrero-Vila (Summer 2017): *Ramp Signal Site Activation Analysis on Interstate 95 Northbound in Miami-Dade County*
2. Mr. Efthymios Ntampos (Fall 2016): *Quantifying Accuracy of Wi-fi Data in Travel Time Estimations*
3. Ms. Maria Adriana Cutillo (Summer 2016): *Estimating Upstream Signal Capacity by Considering Downstream Signalized Intersection Effect During Incident*
4. Mr. Fengjiang Hu (Spring 2015): *Exploring Daily Variations for Non-Mandatory Activity Duration and the Contribution of Socio-Economic and Demographic Variables*
5. Ms. Shanghong Ding (Summer 2012): *Acquisition of Roadway Geometric and Crash Data for Median and Guardrail Safety Evaluation*
6. Mr. Ho Pun Ng (Spring 2012): *Evaluation of Vehicle Emission Performance on I-95 for Incidents using MOVES2010a*
7. Ms. Meng Ma (Fall 2011): *Development of a Geographic Information System for SafetyAnalyst for Florida Applications*
8. Mr. Marcenel Joseph (Fall 2011): *Potential Applications of Hybrid Signs on Arterials*
9. Mr. Marco Lux (Fall 2011): *New Applications of Hybrid Static-Dynamic Signs on Freeways*

PERSONNEL HIRED/SUPERVISED**Researchers Hired**

1. Dr. Angela Kitali (B.S., M.S., and Ph.D. in Civil Engg.), Post-doctoral Research Associate, December 2020 – September 2021
2. Ms. Dana Crosby (B.S. in Business Administration and Master of Education), Research Associate, July 2020 - present
3. Mr. Jimoku Salum (B.S. and M.S. in Civil Engg.), Research Associate, January 2020 - present
4. Ms. Maria Guevara (B.S. and M.S. in Civil Engg.), Research Associate, August 2018 - August 2020
5. Dr. Wanyang Wu (B.S., M.S., and Ph.D. in Civil Engg.), Senior Research Associate, May 2018 – Aug 2020
6. Ms. Michelle Angel (B.S. and M.S. in Civil Engg.), Research Associate, June 2018 - present
7. Dr. Dibakar Saha (B.S., M.S., and Ph.D. in Civil Engg.), Research Associate, June 2015 - Aug 2017

Programmer Hired

1. Ms. Jun Zheng (B.S., M.S., in Civil Engineering), Programmer, May 2016 - July 2016

Visiting Scholars (Unpaid)

1. Dr. Ing. Lissy La Paix, Faculty of Engineering Technology, University of Twente, The Netherlands, Summer, 2018.

Ph.D. Students Hired

1. Mr. John Herman Kodi (Ph.D.) January 2020 - present
2. Ms. Cecilia Kadeha (Ph.D.) January 2019 - present
3. Mr. Henrick Haule (Ph.D.) May 2018 – July 2021
4. Mr. Md Sultan Ali (Ph.D.) May 2018 – July 2021
5. Ms. Angela Kitali (Ph.D.) May 2017 – December 2020
6. Mr. Sajidur Rahman Nafis (Ph.D.) August 2016 – April 2021
7. Ms. Armana Sabiha Huq (Ph.D.) August 2015 - December 2018
8. Mr. Md Asif Raihan (Ph.D.) January 2015 - December 2018

M.S. Students Hired

1. Ms. Norah Massenat (M.S.) August 2020 - present
2. Mr. Joel Garcia (M.S.) March 2021 - present
3. Mr. Fabio Soto (M.S.) January 2018 - December 2018
4. Mr. Luis Ortega Fernandez (M.S.) July 2015 - December 2015

B.S. Students Hired

1. Mr. Matheus Louly Caixe (B.S.) February 2020 – December 2020
2. Ms. Amy Romeo-Garcia (B.S.) May 2019 - present
3. Ms. Kristina Broderick (B.S.) May 2019 - present
4. Ms. Norah Massenat (B.S.) May 2019 – May 2020
5. Mr. Erkin Yergin (B.S.) January 2019 – December 2019
6. Mr. Reinaldo Calvache (B.S.) January 2019 - December 2019
7. Mr. Hector Vargas (B.S.) May 2018 – May 2019
8. Ms. Monica Gonzalez (B.S.) April 2017 - January 2018

Students Supervised

1. Mr. Fernando Dahbura (B.S.) May 2016 - July 2016
2. Ms. Trang Phan (M.S.) January 2015 - April 2015
3. Mr. Md Asif Raihan (Ph.D.) January 2014 - December 2014
4. Ms. Homa Fartash (Ph.D.) June 2014 - August 2014
5. Mr. Eazaz Sadeghvaziri (Ph.D.) August 2014 - December 2014
6. Mr. Dibakar Saha (Ph.D.) August 2012 - December 2014
7. Mr. Mohammad Lavasani (Ph.D.) August 2013 - July 2014
8. Mr. Hussam Hadi (B.S.) June 2013 - November 2013
9. Mr. Andres Diaz (M.S.) January 2012 - October 2013
10. Ms. Maria Guevara (M.S.) January 2012 - August 2013
11. Ms. Katrina Meneses (M.S.) January 2012 - August 2013
12. Ms. Stephanie Miranda (M.S.) January 2012 - August 2013
13. Ms. Anita Pourji (M.S.) January 2012 - August 2013
14. Mr. Erik Echezabal (M.S.) August 2011 - July 2012

STUDENT AWARDS**Faculty Advisor for Competitive Student Scholarship and Fellowship Awards**2022

1. 1st Place, 2022 Transportation Statistics Interest Group (TSIG), American Statistical Association (ASA) Best Student Paper Award (John Kodi), 2022 for the paper titled: “*Assessment of Mobility Impacts of Adaptive Traffic Control System (ATCS) Using Flexible Regression Models*”. Coauthors: Emmanuel Kidando, Angela E. Kitali, Priyanka Alluri, and Thobias Sando
2. Advisor for FIU Team selected as Runner-up in the 2022 TRB Traffic Control Device (TCD) Challenge (Topic: Radar Speed Detection for Speed Management on Limited Access Facilities) (John Kodi, Francisca Kasubi, and Abdallah Kinero), 2022
3. ITS Florida Anne Brewer Scholarship (Francisca Kasubi), 2022
4. Life Savers Scholarship Award (John Kodi), 2022
5. Life Savers Scholarship Award (Francisca Kasubi), 2022
6. Advisor for TRB Minority Student Fellow (Jesus Molina), 2022

2021

7. 1st Place, 2021 FLPRITE Best Student Paper Award (Henrick Haule), 2021
8. 1st Place, 2021 Excellence in Highway Safety Data Award (Henrick Haule, Angela Kitali, MD Sultan Ali), 2021
9. 1st Place, 2021 Safety Performance and Analysis Doctoral Student Competition, in the 100th Annual Meeting of the Transportation Research Board (MD Sultan Ali), 2021
10. Advisor for TRB Minority Student Fellow (Amy Garcia), 2021
11. FIU Dissertation Year Fellowship (MD Sultan Ali), 2021

2020

12. FLPRITE Bill MCGrath Scholarship (Cecilia Kadeha), 2020
13. WTS Helene M. Overly Memorial Scholarship, South Florida WTS Chapter (Cecilia Kadeha), 2020
14. 2nd Place, 2020 FLPRITE Virtual Shark Tank Competition (Henrick Haule), 2020
15. FIU College of Engineering and Computing Outstanding Doctoral Student Award (Angela Kitali), 2020
16. Eno Fellowship (Angela Kitali), 2020
17. FIU Dissertation Year Fellowship (Henrick Haule), 2020
18. FIU Dissertation Year Fellowship (Angela Kitali), 2020
19. Advisor for TRB Minority Student Fellow (Mauricio Burgos), 2020
20. Advisor for FIU Team selected as the Finalists in the 2020 TRB Traffic Control Device Challenge (TCDC) (Topic: An Integrated Work Zone Safety System for Connected and Automated Vehicles) (Cecilia Kadeha and Angela Kitali), 2020
21. Life Savers Scholarship Award (Cecilia Kadeha), 2020
22. Life Savers Scholarship Award (MD Sultan Ali), 2020

2019

23. ITS Florida Anne Brewer Scholarship (Cecilia Kadeha), 2019
24. 2nd Place, Student Poster Competition, 2019 FPRITE Annual Meeting (Cecilia Kadeha), 2019
25. 3rd Place, Student Poster Competition, 2019 FPRITE Annual Meeting (Angela Kitali), 2019
26. Runner Up, GCCITE Book Scholarship Competition (MD Sultan Ali), 2019
27. Advisor for FHWA’s Dwight David Eisenhower Transportation Fellow (Amy Romeo-Garcia), 2019
28. Advisor for FIU Team selected as the Finalists in the NOCoE Transportation Technology Tournament (Cecilia Kadeha, Henrick Haule, MD Sultan Ali, and Hector Vargas), 2019
29. Runner Up, ASCE Jack E. Leisch Memorial Graduate Fellowship (Angela Kitali), 2019
30. WTS Helene M. Overly Memorial Scholarship, National-level (Angela Kitali), 2019
31. WTS Helene M. Overly Memorial Scholarship, South Florida WTS Chapter (Angela Kitali), 2019
32. Life Savers Scholarship Award (Sajidur Rahman Nafis), 2019
33. Life Savers Scholarship Award (Henrick Haule), 2019

34. NOCoE TRB Student Contest Winner (Sajidur Rahman Nafis), 2019
35. Advisor for TRB Minority Student Fellow (Hector Vargas), 2019

2018

36. 1st Place, GCCITE Book Scholarship Competition (Henrick Haule), 2018
37. Fang Zhao Women in Engineering Leadership Award, FIU University Graduate School (Angela Kitali), 2018
38. 3rd Place, Student Poster and Shark Tank Competition, 2018 FSITE Annual Meeting (Fabio Soto), 2018
39. Advisor for TRB Minority Student Fellows (Monica Gonzalez), 2018
40. FIU Worlds Ahead Graduate (Md Asif Raihan), 2018
41. Best Student Paper Award, 2018 Managing Roadways and Transit Meeting and Conference (Angela Kitali and Henrick Haule), 2018
42. Advisor for FIU/FSU Team selected as the Finalists in the NOCoE Transportation Technology Tournament (Angela Kitali, Fabio Soto, Jaqueline Masaki, and Wei Guo), 2018
43. 3rd Place, Student Poster Competition, Graduate Student Appreciation Week (Armana Huq), 2018
44. Advisor for TRB Minority Student Fellow (Monica Gonzalez), 2018
45. Life Savers Scholarship Award (Angela Kitali), 2018
46. NOCoE TRB Student Contest Winner (Angela Kitali), 2018
47. 2018 TRB Doctoral Student Research Showcase in Transportation Safety (Md Asif Raihan), 2018
48. FIU Dissertation Year Fellowship, (Md Asif Raihan), 2018

2017

49. 2nd Place, GCCITE Book Scholarship Competition (Md Asif Raihan), 2017
50. 1st Place, FSITE Student Poster Competition (Angela Kitali), 2017
51. 2nd Place, Mobility Miami FasTrack Ideation Challenge (One of the team member: Angela Kitali), 2017
52. FSITE Bill McGrath Transportation Studies Scholarship (Md Asif Raihan), 2017
53. FSITE/District 10 Henry P. Boggs Best Student Paper Award (Md Asif Raihan), 2017
54. ITE Daniel B. Fambro Student Paper Award (Md Asif Raihan), 2017

2016

55. Life Savers Scholarship Award (Md Asif Raihan), 2016

Faculty Advisor for International ITE Best Student Chapter Award:

1. 2015-2016 Best International ITE Student Chapter Award

Faculty Advisor for Florida Puerto Rico ITE (FLPRITE) District Best Student Chapter Award:

1. 2020-2021 Best Florida Puerto Rico ITE (FLPRITE) District Student Chapter Award (formerly District 10)
2. 2019-2020 Best District 10 ITE Student Chapter Award
3. 2016-2017 Best District 10 ITE Student Chapter Award
4. 2015-2016 Best District 10 ITE Student Chapter Award