

Curriculum Vitae

NIKHIL MENON, Ph.D.
Assistant Professor of Civil Engineering

CONTACT INFORMATION

Address Penn State Harrisburg
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EDUCATION

2017 Ph.D., Civil Engineering (Transportation), University of South Florida
Dissertation: Autonomous Vehicles: An Empirical Assessment of Consumers' Perceptions, Intended Adoption, and Impacts on Household Vehicle Ownership
Advisors: Dr. Yu Zhang & Dr. Abdul Pinjari

2015 M.S. Civil Engineering (Transportation), University of South Florida
Thesis: Consumer perception and anticipated adoption of autonomous vehicle technology: Results from multi-population surveys
Advisors: Dr. Yu Zhang & Dr. Abdul Pinjari

2013 MSc., Complex Transport Infrastructure Systems, Instituto Superior Técnico, Lisbon
Thesis: Exploring the prospect of operating low-cost carriers and legacy carriers from the same airport terminal – a service quality approach
Advisors: Prof. Rosario Macario

2011 B. Tech, Civil Engineering, National Institute of Technology, Calicut

PROFESSIONAL HISTORY

2021- *Assistant Professor of Civil Engineering, Penn State Harrisburg*

2020-2021 *Research Associate, Center for Urban Transportation Research, University of South Florida*

2018-2021 *Adjunct Instructor, Civil & Environmental Engineering, University of South Florida*

2017-2020 *Postdoctoral Research Associate, Center for Urban Transportation Research, University of South Florida*

2013-2017 *Research Assistant, Civil & Environmental Engineering, University of South Florida*

2014-2016 *Writing Consultant, USF Writing Studio, University of South Florida*

2013-2014 *Teaching Assistant, Civil & Environmental Engineering, University of South Florida*

2013 *Transport Planner, Center for infrastructure, Sustainable Transport & Urban Planning (CiSTUP), Bangalore*

2011-2013 Graduate Researcher, Instituto Superior Técnico, Lisbon

RESEARCH AREAS & METHODS

Emerging Transportation Technologies – Autonomous Vehicles, New Mobility Services

Travel Demand Modeling and Travel Behavior

Transportation System Impacts on Equity, Health, and Wellbeing

Transportation Planning

Data Collection Experiments in Transportation – Stated and Revealed Preference Surveys

Statistical and Econometric Modeling

PUBLICATION RECORD

_ if supervising/mentoring student.

Peer-Reviewed Journal Papers

- 2021 7. Barbour, N., **Menon, N.**, and Mannering, F. A statistical assessment of work-from-home participation during different stages of the COVID–19 pandemic. *Transportation Research Interdisciplinary Perspectives* doi: 10.1016/j.trip.2021.100441
6. Palαιο, L., Vo, T., Maness, M., Bertini, R.L., and **Menon, N.** A Multi-City Investigation of the Effect of Holidays on Bikeshare System Ridership. *Transportation Research Record* doi:10.1177/03611981211019739
5. Staes, B., **Menon, N.**, and Bertini, R.L. Evaluating Transportation Network Performance During Emergency Evacuations: A Case Study of Hurricane Irma. *Transportation Research Part D: Transport and Environment* 95, 102841
4. Staes, B., Bertini, R.L., **Menon, N.**, and Yuksel, E. Examining Freeway Bottleneck Features During a Mass Evacuation. *Transportation Research Record* 03611981211003588
- 2020 3. **Menon, N.**, Zhang, Y., Pinjari, A., and Mannering, F. A statistical analysis of consumers' perceptions towards automated vehicles and their intended adoption. *Transportation Planning and Technology*, 43(3), 253-278
- 2019 2. Barbour N., **Menon, N.**, Zhang Y., and Mannering, F. Shared automated vehicles: A statistical analysis of consumer use likelihoods and concerns. *Transport Policy*, 80, 86-93
- 2018 1. **Menon, N.**, Barbour, N., Zhang, Y., Pinjari, A., and Mannering, F. Shared autonomous vehicles and their potential impacts on household vehicle ownership: An exploratory empirical assessment. *International Journal of Sustainable Transportation*, 13(2), 111-122

Peer-Reviewed Research Reports and Scholarly Publications

- 2020 11. **Menon, N.**, Keita, Y., and Bertini, R.L. Impact of COVID-19 on Travel Behavior and Shared Mobility Systems. Report prepared for *National Center for Transit Research (NCTR)*
10. Kocak, T., **Menon, N.**, Gurram, S., Bertini, R.L., and Stuart, A.L. Air pollution and equity impacts of the proposed Tampa Bay Next program from a Health in all Policies perspective.

Report prepared for *Center for Transportation, Environment, and Community Health, (CTECH)*

9. Marshall, J., Scott, B., Smith, B., Montoya, M., Farzan, A., Cruz, M., Dunn, E., Jaskela, M., Hernandez, S., **Menon, N.**, Staes, B., and Bertini, R.L. Hurricane-related Protection of Moms & Babies from Emerging Threats - A Florida Systems Evaluation. Report prepared for *Centers for Disease Control & Prevention (CDC), National Center on Birth Defects and Developmental Disabilities (NCBDDD), Florida Birth Defects Registry* subcontract
8. **Menon, N.**, Staes, B., and Bertini, R.L. Measuring Transportation Network Performance During Emergency Evacuations: A Case Study of Hurricane Irma and Woolsey Fire. Report prepared for *Center for Transportation, Equity, Decisions and Dollars (CTEDD) 19-04 SG*
7. Concas, S., **Menon, N.**, and Asamoah, P. Measuring the Impact of Florida Scenic Highway Designation. Report prepared for *Florida Department of Transportation Project BDV-25-977-61*
6. Lin, P-S, Kourtellis, A., **Menon, N.**, Chen, C., and Rangaswamy, R. Campus Automated Shuttle Service Deployment Initiative. Report prepared for *National Center for Transit Research (NCTR) Livability PPPR #9*
- 2018 5. Mannering, F., Maness, M., Pinjari, A., Zhang, Y., Balusu, S., Barbour, N., **Menon, N.**, Sheela, P., and Tahlyan, D. Investigation of the Role of Attitudinal Factors on the Adoption of Emerging Automated Vehicle and Safety Technologies. Report prepared for *Center for Teaching Old Models New Tricks (TOMNET)*
4. Zhang, Y., Wu, Z., and **Menon, N.** Florida Aviation Activity Forecast Methodologies and Tools Development. Report prepared for *Florida Department of Transportation Project BDV-25-977-36*
- 2016 3. Ozkul, S., Pinjari, A.R., Davis, D., Seggerman, K., **Menon, N.**, and Chen, Q.S. Evaluation of Logistics Led Economic Development. Report prepared for *Florida Department of Transportation Project BDV25 977-04*
- 2015 2. **Menon, N.**, Ozkul, S., Pinjari A.R. Freight Mobility: Success Factors for Logistics Activity Center (LAC) Growth. Technical Article on *FLITE 56 (2)*
- 2013 1. Pinjari, A.R., Augustin, B., and **Menon, N.** Highway capacity impacts of autonomous vehicles: An Assessment. White paper prepared for *Tampa Hillsborough Expressway Authority (THEA)*

Manuscripts under Review and Preparation

Staes, B., Bertini, R.L., and **Menon, N.** Improving Mapping and Selection of Low-Speed Autonomous Vehicle Shuttle Routes: A Data-Driven Framework.

Menon, N., and Gawade, M. Assessing Telecommuting Propensities in Post-COVID America: Analysis of the 2017 National Household Travel Survey.

Das, S., Kutela, B., and **Menon, N.** Suicidal Attempts in Traffic Crashes: Crash Narrative Analysis using Text Network.

Menon, N., and Chandran, V. Investigating Travel Behavior and Ride-Hailing Usage among People with Travel-Restrictive Medical Conditions in the United States.

Menon, N., Staes, B., and Bertini, R.L. Investigating the Re-Emergence of Telecommuting: Results from a Nationwide Survey on Understanding COVID-19 Impacts.

CONFERENCE ACTIVITY

Presenting author *italicized*, if other; _ if supervising/mentoring student.

Peer-Reviewed Conference Products

- 2021 12. *Barbour, N., Menon, N.,* and Mannering, F. A statistical assessment of work-from-home participation during different stages of the COVID-19 pandemic. Presented at the *3rd Annual Bridging Transportation Researchers (BTR) Conference* (held virtually due to COVID-19) [Talk]
11. *Keita, Y., Menon, N.,* and Bertini, R.L. Innovative COVID-19 Response Strategies for Shared Mobility Systems: A Comprehensive Review. Presented at the *100th Annual Meeting of the Transportation Research Board*, Washington D.C. Jan (held virtually due to COVID-19) [Poster]
10. *Staes, B.,* Bertini, R.L., *Menon, N.,* and *Yuksel, E.* Examining Freeway Bottleneck Features During a Mass Evacuation. Presented at the *100th Annual Meeting of the Transportation Research Board*, Washington D.C. Jan (held virtually due to COVID-19) [Talk]
9. *Palaio, L.,* Vo, T., Maness, M., Bertini, R.L., and *Menon, N.* A Multi-City Investigation of the Effect of Holidays on Bikeshare System Ridership. Presented at the *100th Annual Meeting of the Transportation Research Board*, Washington D.C. Jan (held virtually due to COVID-19) [Poster]
8. *Yuksel, E.,* Bertini, R.L., *Staes, B.,* and *Menon, N.* Insights Gained by Incorporating Continuous Vehicle Length Data into Empirical Freeway Bottleneck Diagnosis. Presented at the *100th Annual Meeting of the Transportation Research Board*, Washington D.C. Jan (held virtually due to COVID-19) [Poster]
7. Sipiora, A., M., Jackman, J., *Huang, Y., Menon, N.,* and Bertini, R.L. A Roadmap Towards a Florida Automated, Connected, Electric, and Shared (ACES) Transportation Ecosystem. Presented at the *100th Annual Meeting of the Transportation Research Board*, Washington D.C. Jan (held virtually due to COVID-19) [Poster]
- 2020 6. *Yuksel, E.,* Bertini, R.L., *Menon, N.,* Ozkul, S., and *Staes, B.* A Contemporary Approach to Visualize Urban Freight Movement by Leveraging Mobility Data Portals. In *2020 Forum on Integrated and Sustainable Transportation Systems (FISTS)* (pp. 272-279). IEEE.
5. *Menon, N.,* Lin, P-S., Rangaswamy, R., Kourtellis, A., Chen, C., and Bertini, R.L. A Statistical Analysis of Public Perceptions and Opinions from a Low-Speed Automated Shuttle Demonstration. Presented at the *99th Annual Meeting of the Transportation Research Board*, Washington D.C. Jan 12-16 [Poster]
- 2019 4. *Yuksel, E.,* Bertini, R.L., Ozkul, S., *Menon, N.,* Unnikrishnan, A., and Garg, R. Leveraging a Permanent Freight Data Collection Infrastructure and Archive System: Visualizing Urban Truck Temporal and Spatial Dynamic. Presented at the *98th Annual Meeting of the Transportation Research Board*, Washington D.C. Jan 13-17 [Talk]

3. **Menon, N.**, Zhang, Y., Pinjari, A., and Mannering, F. A statistical analysis of consumers' perceptions towards automated vehicles and their intended adoption. Presented at the *98th Annual Meeting of the Transportation Research Board*, Washington D.C. Jan 13-17 [Poster]
- 2016 2. **Menon, N.**, Pinjari A.R., Zhang Y., and Zou, L. Consumer Perception, and Intended Adoption of Autonomous Vehicle Technology: Findings from a University Population Survey. Presented at the *95th Annual Meeting of the Transportation Research Board*, Washington D.C. Jan 10-14 [Poster]
1. *Ozkul, S.*, **Menon, N.**, Pinjari, A.R., Davis, D., and Seggerman, K. Determination of Success and Deterrence Factors for Logistics Activity Center (LAC) Development. Presented at the *95th Annual Meeting of the Transportation Research Board*, Washington D.C. Jan 10-14 [Poster]

Abstract Peer-Reviewed Conference Products

- 2019 12. *Staes, B.*, *Yuksel, E.*, **Menon, N.**, and Bertini, R.L. Visualizing Transit Network Performance by Leveraging Big Data. Presented at the *9th International Visualization in Transportation Symposium: Visualization in Action*, Washington D.C. Nov 5-6 [Talk]
11. *Yuksel, E.*, *Staes, B.*, **Menon, N.**, and Bertini, R.L. Visualizing Urban Freight Movement by Leveraging Mobility Data Portals. Presented at the *9th International Visualization in Transportation Symposium: Visualization in Action*, Washington D.C. Nov 5-6 [Talk]
10. **Menon, N.**, Lin, P-S., Kourtellis, A., Chen, C., Rangaswamy, R., and Bertini, R.L. An Empirical Analysis of Consumers' Perceptions and Opinions from an Automated Vehicle Demonstration in Low-Speed Environments. Presented at the *AUVSI Automated Vehicles Symposium*, Orlando, FL. Jul 11-15 [Poster]
9. **Menon, N.**, *Lin, P-S.*, Kourtellis, A., Chen, C., Rangaswamy, R., and Bertini, R.L. An Empirical Assessment of a Week-Long Automated Vehicle Demonstration in a Low-Speed Environment. Presented at *Florida's I-3 Transportation Showcase*, Orlando, FL. Jun 23-26 [Talk]
8. Kocak, T.K., Gurrarn, S., Doyle, S., **Menon, N.**, Bertini, R.L., and *Stuart, A.L.* Air Pollution and Equity Impacts of the Tampa Bay Next Transportation Program for Tampa. Presented at the *Association of Environmental Engineering & Science Professors Conference*, Tempe AZ. May 14-16 [Poster]
- 2018 7. **Menon, N.**, Pinjari, A.R., Zhang, Y., and Mannering, F. Understanding the Influence of Consumers' Perceptions towards Automated Vehicles on their Intended Adoption: A Cluster Analysis Approach. Presented at the *AUVSI Automated Vehicles Symposium*, San Francisco, CA. Jul 9-12 [Talk]
6. Pessaro, B., and **Menon, N.** University of South Florida Campus Autonomous Transit Feasibility Study. Presented at the *AUVSI Automated Vehicles Symposium*, San Francisco, CA. Jul 9-12 [Poster]

- 2017 5. **Menon, N.**, Pinjari, A.R., Zhang, Y., and Mannering, F. Autonomous Vehicles: An Empirical Assessment of Intended Adoption from Consumers' Perceptions. Presented at the *5th Annual UTC Conference for the Southeastern Region 2017*, Gainesville, FL. Nov 16-17 [Talk]
4. **Menon, N.**, Pinjari, A.R., Zhang, Y., and Mannering, F. Autonomous Vehicles: An Empirical Assessment of Intended Adoption from Consumers' Perceptions. Presented at the *2017 Florida Automated Vehicle Summit*, Tampa, FL. Nov 14-15 [Poster]
- 2016 3. **Menon, N.**, Barbour, N., Pinjari, A.R., Zhang, Y., and Mannering, F. Understanding Consumer Trends in Vehicle Ownership with the Introduction of Shared Autonomous Vehicles (SAVs). Presented at the *2016 Florida Automated Vehicle Summit*, Tampa, FL. Nov 29-30 [Poster]
2. **Menon, N.**, Pinjari, A.R., Zhang, Y., Mannering, F., Srinivasan, S., and Jin, X. Understanding Consumer Trends in Vehicle Ownership with the Introduction of Shared Autonomous Vehicles (SAVs): Findings from Multi-Population Surveys in Florida. Presented at *TRANSPO 2016*, West Palm Beach, FL. Nov 13-16 [Talk]
- 2015 1. **Menon, N.**, Pinjari, A.R., and Zhang, Y. Consumers' Perception, and Intended Adoption of Autonomous Vehicle Technology: Results from Multi-Population Surveys. Presented at the *9th UTC Spotlight Conference: Connected and Automated Vehicles*, Washington D.C. Nov 4-5 [Poster]

INVITED TALKS

- 2021 *Understanding Geographic and Demographic Variation in Mode Choice and Travel Behavior*. American Association of State Highway and Transportation Officials (AASHTO) Census Transportation Planning Products Program (CTPP) Spotlight Series: Commuting in America Research (held virtually). Dec 15
- Assessing Telecommuting Propensities in Post-COVID America: Some Initial Results from the 2017 National Household Travel Survey*. Penn State Harrisburg Graduate Colloquium, Middletown, PA. Oct 11
- Autonomous Vehicles – Some Prospects and Trends*. Penn State Harrisburg 2021 Research Day, Panel on Digital Connectivity in Vehicles; Research, Industry, and Policymaking Outlooks – Opening Remarks, Middletown, PA. Oct 7
- The 4-Step Travel Demand Model - Some Applications to Metro Rail Systems*. AICTE Training and Learning Academy (ATAL) Faculty Development Program (FDP) on Intelligent Metro Rail Transport System for Indian Cities (held virtually due to COVID-19). Sep 23
- Impact of COVID-19 on Travel Behavior and Implications for Telecommuting: Results from a Nationwide Survey*. University of South Florida ITE Transportation Seminar (held virtually due to COVID-19). Mar 12
- Toward a Florida Automated, Connected, Electric, and Shared (ACES) Transportation System Roadmap*. CUTR Advisory Board Meeting (held virtually due to COVID-19). Feb 9
- Introduction to the Florida ACES Transportation Roadmap Initiative*. Florida Local Technical Assistance Program (LTAP) Webinar (held virtually due to COVID-19). Jan 29

- 2019 *How Floridians Travel: Findings from National Household Travel Survey 2017*. Cambridge Systematics, Tallahassee, FL. Apr 4.
- 2018 *Autonomous Vehicles: An Empirical Assessment of Consumers' Perceptions, Intended Adoption, and Impacts on Household Vehicle Ownership*. Center for Urban Transportation Research Transportation Webcast. University of South Florida, Tampa, FL. Aug 2.
- 2016 *Understanding Consumer Trends in Vehicle Ownership with the Introduction of Shared Autonomous Vehicles (SAVs): Findings from Multi-Population Surveys in Florida*. University of South Florida, Tampa, FL. Nov 25.
- 2014 *Emerging Automotive and Transportation Technologies – Autonomous Vehicles*. University of South Florida, Tampa, FL. Dec 21.

RESEARCH PROJECT EXPERIENCE

Supervised Research Projects (as PI/Co-PI)

- 2021- *Understanding Geographic and Demographic Variation in Mode Choice and Travel Behavior*
 Sponsor: American Association of State Highway and Transportation Officials (AASHTO)
 Role: PI; Amount: \$20,000
- 2020 *Impact of COVID-19 on Travel Behavior and Shared Mobility Systems*
 Sponsor: National Center for Transit Research (NCTR)
 Role: PI; Amount: \$26,887.58
- 2019-2021 *Toward a Florida Automated, Connected, Electric and Shared (ACES) Transportation System Roadmap*
 Sponsor: Florida Department of Transportation (FDOT)
 Role: Co-PI [PI: Robert L. Bertini/Pei-Sung Lin]; Amount: \$200,000
- 2019-2020 *Measuring Transportation Network Performance During Emergency Evacuations: A Case Study of Hurricane Irma and Woolsey Fire*
 Sponsor: Center for Transportation, Equity, Decisions and Dollars (CTEDD)
 Role: PI; Amount: \$30,000
- 2019-2020 *Measuring the Impact of Florida Scenic Highway Designation*
 Sponsor: Florida Department of Transportation (FDOT)
 Role: Co-Investigator [PI: Sisinnio Concas]; Amount: \$100,000

Research Projects as Task Lead/Analyst

- 2021 *Florida Mobility Vision Literature Review and Survey*
- 2021 *Utilizing Artificial Intelligence with Vision-based Systems for Monitoring Trespassing – Best Practices*
- 2020-2021 *Scenario Analysis of Future Roadway Network of Tampa Bay Area*
- 2020-2021 *Where To? Origins and Destinations of TNC and Transit Trips Based on Mobile Devices*
- 2020-2021 *Transit Priority – Urban and Rural Traffic Management in the Age of Big Data*

- 2020-2021 *Wrong-Way Driving Solutions, Policy, and Guidance: Phase 1*
- 2020 *Mitigation for Trespasser and Suicide Fatalities and Injuries*
- 2019-2020 *Attitudes Towards Emerging Mobility Options and Technologies*
- 2018-2020 *Air Pollution and Equity Impacts of Proposed Freeway Expansion from a Health in All Policies Perspective*
- 2017-2019 *Campus Automated Shuttle Deployment Initiative*
- 2017-2019 *National Capability Assessment in Traffic Analysis Fundamentals and Development of a Model Curriculum on Performance-Based Planning for TSMO*
- 2017-2019 *Transportation System Simulation Manual*
- 2013-2017 *Understanding Consumers' Perceptions, Intended Adoption, and Anticipated Travel Behavioral Impacts of Autonomous Vehicles*
- 2017 *Florida Aviation Activity Forecast Methodologies and Tools Development*
- 2015-2016 *Evaluation of Logistics Led Economic Development in Florida*

GRANTS AND AWARDS

- 2020 American Association of State Highway and Transportation Officials (AASHTO) [\$20,000] for *Understanding Geographic and Demographic Variation in Mode Choice and Travel Behavior*, Nov.
- 2020 National Center for Transit Research (NCTR) [\$26,887.58] for *Impact of COVID-19 on Travel Behavior and Shared Mobility Systems*, Apr.
- 2019 Center for Transportation Equity Decisions and Dollars (CTEDD) SEED Grant [\$30,000] for *Measuring Transportation Network Performance During Emergency Evacuations: A Case Study of Hurricane Irma and Woolsey Fire*, Feb.
- 2016 Conference Travel Grant – USF Student Government [\$500], Jan.
- 2015 Georgia Brosch Memorial Scholarship [\$2,000], Nov.
- 2015 Conference Travel Grant – USF Student Government [\$500], Nov.
- 2011 MIT Portugal Corporate Scholarship, Lisbon, Portugal [€7,000], Sep.

TEACHING ABILITY & EFFECTIVENESS

§ – graduate course; ^u – undergraduate course; ^v – virtual offering

Penn State Harrisburg

Semester	Course Number and Title	Course Quality (/7)	Instructor Quality (/7)
Spring 22	CET 308 ^u – Construction Methods and Materials		

Spring 22	EMCH 211 ^u – Engineering Mechanics: Statics		
Spring 22	ET 300 ^u – Engineering Mechanics: Statics		
Fall 21	ET 300 ^u – Engineering Mechanics: Statics [n=10]	7,7	7,7
Fall 21	CE 333w ^u – Construction Management [n=17]	7,6	7,7

University of South Florida

Semester	Course Number and Title	Instructor Rating (/5)	Dept Rating (/5)	College Rating (/5)
Fall 20	TTE 5501 ^{g v} – Transport Planning and Economics [n=13]	4.71	3.80	3.90
Spring 20	TTE 4005 ^{u v} – Transportation Engineering II [n=51]	4.50	4.00	3.90
Spring 20	TTE 4005 ^u – Transportation Engineering II [n=52]	4.47	4.00	3.90
Fall 19	TTE 5501 ^g – Transport Planning and Economics [n=31]	4.54	4.00	3.90
Fall 18	TTE 5501 ^g – Transport Planning and Economics [n=28]	3.00	4.00	3.90
Fall 14	EGN 1113 ^u – Intro to Design Graphics, as TA [n=68]	--	--	--
Summer 14	EGS 1113 ^u – Intro to Design Graphics, as TA [n=16]	--	--	--
Spring 14	EGS 1113 ^u – Intro to Design Graphics, as TA [n=28]	--	--	--
Fall 13	EGN 1113 ^u – Intro to Design Graphics, as TA [n=28]	--	--	--

SERVICE

Referee Work for Journals

Journal	Number
<i>TRB and Transportation Research Record</i>	56
<i>Transportation Letters</i>	4
<i>Journal of Transport Geography</i>	4
<i>International Journal of Sustainable Transportation</i>	2
<i>Transportation Research Part F: Traffic Psychology and Behavior</i>	2
<i>International Journal of Vehicle Design</i>	1
<i>Proceedings of ICE- Transport Sustainability</i>	1
<i>Transportation Research Interdisciplinary Perspectives</i>	1
<i>Transportation Research Part A: Policy and Practice</i>	1
<i>Travel Behaviour and Society</i>	1

Referee Work for Funding Agencies

Funding Agency	Number
<i>Council of University Transportation Centers</i>	3
<i>National Institute for Congestion Reduction</i>	2
<i>California State University Transportation Consortium</i>	1

Administrative Activities

Penn State Harrisburg/Pennsylvania State University

- 2021- *Member*, Research Advisory Council, School of Science Engineering & Technology
 2021- *Reviewer*, Application Selection Committee, Schreyer Honors College

University of South Florida

- 2020-2021 *Invited Reviewer*, Graduate Student Research Symposium, University of South Florida

Supervision and Mentoring Activities

Penn State Harrisburg/Pennsylvania State University

Doctoral Committees

Year	Name of the Student	Degree
2021-	Asif Mahmud	Ph.D., Civil Engineering

Masters Students

Year	Name of the Student	Degree
2022-	Okeola Abass	M.S., Civil Engineering

Mentored Research Assistants

Year	Name of the Student	Degree
2021-	Zecheng (Andy) Ge	B.S., Civil Engineering
2021-	Alain Izabayo	B.S., Civil Engineering
2021-	Catherine Suria	B.S., Civil Engineering

University of South Florida

Masters Thesis Committees

Year	Name of the Student	Degree
2020	Divyamitra Mishra	M.S., Civil Engineering

Mentored Research Assistants

Year	Name of the Student	Degree
2020-2021	Yaye Mallon Keita	Postdoctoral Researcher
2019-2021	Yicheng Huang	M.S., Civil Engineering (Structural)
2019-2020	Patrick Asamoah	M.A., Economics
2018-2021	Brian Staes*	M.S., Civil Engineering (Transportation)
2018-2020	Lori Palaio*	M.S., Civil Engineering (Transportation)
2017-2020	Eren Yuksel	Ph.D., Civil Engineering (Transportation)

* Recipient of the Dwight D Eisenhower Transportation Fellowship

Professional Affiliations and Involvement

- 2021- *Member*, Transportation Statistics Interest Group (TSIG)
- 2020- *Member*, American Society of Civil Engineers
- Friend*, Transportation Research Board (TRB) Standing Committees on
 - 2016- Aviation Economics and Forecasting (AV040)
 - 2016- Traveler Behavior and Values (AEP30)
 - 2016- Vehicle-Highway Automation (ACP30)
 - 2018- Effects of Information and Communication Technologies (ICT) on Travel Choices (AEP35)
 - 2018- Women and Gender in Transportation (AME20)
 - 2020- Transportation Demand Forecasting (AEP50)
 - 2020- Travel Survey Methods (AEP25)
 - 2020- Transportation and Public Health (AME70)
 - 2020- Disaster Response, Emergency Evacuations, and Business Continuity (AMR20)
 - 2020- Accessible Transportation and Mobility (AME50)
 - 2020- Community Resources and Impacts (AME80)
 - 2021- Public Transportation Planning and Development (AP025)
 - 2021- Transportation in the Developing Countries (AME40)
 - 2021- Equity in Transportation (AME10)
 - 2021- Transportation Demand Management (AEP60)
 - 2021- Economic Development and Land Use (AMS50)
 - 2021- Data for Decision Making (AJE70)
- 2018- *Research Associate*, Mineta Transportation Institute, San Jose State University, CA
- 2017- *Member*, Institute of Transportation Engineers
- 2015-2016 *President*, Institute of Transportation Engineers, USF Student Chapter
- 2012 *Volunteer*, AIRDEV Conference 2012, Lisbon (Portugal)
- 2009-2011 *Team Leader*, Project PRISM – A Govt. of Kerala (India) Educational Initiative

TECHNICAL SKILLS

* - basic; ^ - intermediate; \$ - expert

Programming	R*
Modeling	VISUM [^] , TransCAD [^] , NLOGIT ^{\$}
Data Analysis	SPSS ^{\$} , Stata ^{\$} , Biogeme ^{\$} , WEKA ^{\$} , Tableau [^]
Optimization	FICO-XPRESS [*] , GAMS [^]

Mapping
Design
Decision-Making

GeoMedia[^], ArcGIS[^]
AutoCAD[^]
Expert Choice[§], MACBETH[^]