Curriculum Vitae

Pei-Sung Lin, Ph.D., P.E., PTOE, FITE

Director, Intelligent Transportation Research, Traffic Operations and Safety Program
Director, Florida Local Technical Assistance Program (LTAP)Center
Center for Urban Transportation Research (CUTR)
University of South Florida
4202 E. Fowler Ave. CUT100, Tampa, FL 33620
(813) 974-4910, lin@usf.edu

AREAS OF EXPERTISE

- Traffic Signal Systems
- Traffic Engineering and Operations
- Intelligent Transportation Systems
- Traffic Safety and Operations
- Pedestrian and Bicycle Safety
- Transportation Workforce Development
- Artificial Intelligence (AI) Applications and Automation in Transportation
- Naturalistic Driving and Bicycling Behavior Research
- Wrong Way Driving Prevention and Countermeasures
- Automated Vehicle Operations and Safety
- Transit Safety and Commercial Vehicle Safety
- Railroad Crossing Safety
- Trespassing and Suicide Mitigation
- Freeway Management Systems
- Transportation Planning and Internal Trip Capture
- Traffic Impact Study and Concurrency Analysis
- Maintenance of Traffic (MOT)
- Traffic Incident Management and Interstate Route Diversion
- Highway Capacity Analysis
- Survey Design and Statistical Analysis

WORK EXPERIENCE

2006–present **Director, ITS, Traffic Operations and Safety Program**
Center for Urban Transportation Research (CUTR), University of South Florida
Duties Assigned: Develop and conduct research projects, seek project funding; provide guidance to faculty members; develop partnerships; cooperate with academic professors on research projects; supervise project team members; manage program budget; develop innovative methodologies; apply ITS technologies; improve safety, traffic operation, and mobility; pursue leadership and active roles in national professional organizations; work to establish national reputation; publish and present papers; supervise graduate student research activities.

2018–Present **Director, Florida Local Technical Assistance Program (LTAP) Center, CUTR, University of South Florida**
Duties Assigned: Direct and manage the Florida LTAP Center to improve the skills and increase knowledge of the Florida local and tribal transportation workforce through training, technical assistance, and technology transfer to foster a safe, efficient, and environmentally-sound surface transportation system in Florida.

2004–2006 **Senior Research Associate**
Center for Urban Transportation Research (CUTR), University of South Florida
Duties Assigned: Managed research projects and funding; published and presented research papers; developed and applied technologies to improve safety, traffic operations, and mobility; played active roles in national professional organizations; supervised graduate student research activities.

2004 **Principal Engineering Specialist**
Sarasota County Public Works, Florida
Duties Assigned: Managed ITS projects on signal system software procurement and adaptive signal control; supervised countywide incident management project; supervised engineering technicians and interns; managed traffic signal system and traffic control center; developed traffic safety and congestion strategies; resolved citizen complaints on traffic signal-related questions.

1998–2004 **Professional Engineer**
Sarasota County Public Works, Florida
Duties Assigned: Developed Sarasota County Intelligent Transportation Systems; evaluated signal system software and adaptive control algorithms; deployed signal timing plans on I-75 alternative route; supervised technicians and interns; managed traffic signal system and traffic control center; reviewed traffic impact studies; developed traffic safety and congestion strategies.

1997–1998 **Senior Engineer**
Sarasota County Transportation Department, Florida
Duties Assigned: Assisted with traffic signal timing design and maintenance; operated Sarasota County computerized signal systems; reviewed traffic impact studies; reviewed site development plans and ITS planning for Sarasota County.

1996–1997 **Senior Engineer**
Sarasota County Transportation Department, Florida
Duties Assigned: Analyzed intersection capacity; reviewed regional traffic impact analyses; reviewed development plans and rezoning petitions.

1994–1995 **Graduate Research Assistant**
Transportation Research Center, University of Florida
Research Topic: Capacity Analysis for Traffic-Actuated Intersections
Duties Assigned: Literature reviews, model development, model implementation, model evaluation for traffic-actuated operations associated with National Cooperative Highway Research Program (NCHRP) project 3-48 concerning capacity of traffic-actuated signalized intersections.

1993 **Technical Assistant**
McTrans Center, University of Florida
Duties Assigned: Transportation software testing and maintenance.

1993 **Graduate Assistant**
Technology Transfer Center, University of Florida
Duties Assigned: Videotape review and publication management for T^2 Library.

1991–1992 **Graduate Research Assistant**
University of Texas at Austin
Duties Assigned: Emission test design and analysis for natural gas vehicles.

1990 **Graduate Research Assistant**
University of Texas at Austin
Duties Assigned: Tax allocation analysis and design for Texas state vehicles.

EDUCATION

1995	Ph.D., Civil Engineering (Transportation), University of Florida Graduate Course Work: Cumulative GPA: 4.00/4.00. Dissertation Topic: "Development of a Traffic-Actuated Signal Timing Prediction Model"
1991	M.S., Civil Engineering (Transportation), University of Texas at Austin M.S. Report Title: "Emissions Analysis for Dual-Fuel Natural Gas Vehicles"
1986	B.S., Civil Engineering, National Chung-Hsing University at Taichung, Taiwan.
1989–1995	Graduate Courses Taken: Traffic Engineering, Traffic Signal Systems, Traffic Safety, Geometric Design, Transportation Planning, Traffic Flow Theory, Public Transit, Computer Simulation, Pavement Design, Statistical Analysis, Operations Research, Transportation Systems Operations and Control, Airport Design

TEACHING EXPERIENCE

2024	Instructor, "Traffic Systems Engineering," Fall 2024, Civil & Environmental Engineering, University of South Florida, Tampa
2023	Instructor, "Traffic Systems Engineering," Fall 2023, Civil & Environmental Engineering, University of South Florida, Tampa
2022	Instructor, "Traffic Systems Engineering," Fall 2022, Civil & Environmental Engineering, University of South Florida, Tampa
2021	Instructor, "Traffic Systems Engineering," Fall 2021, Civil & Environmental Engineering, University of South Florida, Tampa
2020	Instructor, "Traffic Systems Engineering," Fall 2020, Civil & Environmental Engineering, University of South Florida, Tampa
2019	Instructor, "Traffic Systems Engineering," Fall 2019, Civil & Environmental Engineering, University of South Florida, Tampa
2018	Instructor, "Traffic Systems Engineering," Fall 2018, Civil & Environmental Engineering, University of South Florida, Tampa
2017	Instructor, "Traffic Systems Engineering," Fall 2017, Civil & Environmental Engineering, University of South Florida, Tampa
2016	Instructor, "Traffic Systems Engineering," Fall 2016, Civil & Environmental Engineering, University of South Florida, Tampa
2015	Instructor, "Traffic Systems Engineering," Fall 2015, Civil & Environmental Engineering, University of South Florida, Tampa
2014	Instructor, "Traffic Systems Engineering," Fall 2014, Civil & Environmental Engineering, University of South Florida, Tampa
2013	Instructor, "Traffic Systems Engineering," Fall 2013, Civil & Environmental Engineering, University of South Florida, Tampa
2012	Instructor, "Traffic Systems Engineering," Fall 2012, Civil & Environmental Engineering, University of South Florida, Tampa
2011	Instructor, "Transportation Engineering I," Summer C 2011, Civil & Environmental Engineering, University of South Florida, Tampa

2010	Instructor, "Traffic Systems Engineering," Fall 2010, Civil & Environmental Engineering, University of South Florida, Tampa
2010	Instructor, "Transportation Engineering I," Summer C 2010, Civil & Environmental Engineering, University of South Florida, Tampa
2009	Instructor, "Transportation Engineering I," Summer C, 2009, Civil & Environmental Engineering, University of South Florida, Tampa
2007	Instructor, ITE Web Seminar, "Performance Monitoring of ITS Projects," November
2007	Instructor, "ITS and Traffic Management," Florida Commuter Choice Certificate Program training courses
2007	Instructor, "Transportation Engineering I," Summer C 2007, Civil & Environmental Engineering, University of South Florida, Tampa
2006	Instructor, "Transportation Engineering I," Summer C 2006, Civil & Environmental Engineering, University of South Florida, Tampa
1999–2010	Volunteer instructor for Professional Engineer (P.E.) license examination annual review class on transportation subjects for Sarasota County and ASCE Suncoast Branch
2005–2006	Guest Speaker, CGN 6933, "Computer Applications in Traffic Engineering," Civil & Environmental Engineering, University of South Florida, Tampa

GRADUATE STUDENT COMMITTEES

1. Huiqing Lyu, 2024-2024 (Ph.D. dissertation)
2. Mohammed Almasabi, 2024-Present (Ph.D. dissertation)
3. Shubhankar Shindgikar, 2023-2024 (Ph.D. dissertation, Co-Major Professor)
4. Gustavo Olenscki, 2023-Present (Master's thesis)
5. Abdulaziz Alalyani, 2022-Present (Ph.D. dissertation)
6. Rakesh Rangaswamy, 2021-2024 (Ph.D. dissertation, Co-Major Professor)
7. Miao Zhang, 2021-2021 (Ph.D. dissertation defense committee chair)
8. Yangkun Xu, 2021-2021 (Ph.D. dissertation defense committee chair)
9. Omkar Dokur, 2021-2023 (Ph.D. dissertation)
10. Eren Yuksel, 2020-2022 (Ph.D. dissertation)
11. Hossein Amiri, 2020-2021 (Master's thesis)
12. Asim Alogaili, 2020-2023 (Ph.D. dissertation)
13. Rahatul Jannat, 2020-2023 (Ph.D. dissertation)
14. Saurabh Hinduja, 2018-2021 (Ph.D. dissertation)
15. Gangyan Zhang, 2019-2019 (Master's thesis)
16. Nawaf Alnawmasi, 2019-2020 (Ph.D. dissertation)
17. Rakesh Rangaswamy, 2017-2018 (Master's thesis)
18. Noureddine Elmehraz, 2017 -2019 (Ph.D. dissertation)
19. Trang Luong, 2017-2017 (Master's thesis)
20. Saurabh Hinduja, 2015-2016 (Master's thesis)
21. Tatok Raharjo, 2016-2016 (Master's thesis)
22. Lucas Cruse, 2014–present (Ph.D. dissertation)
23. Nikhil Menon, 2014-2015 (Master's thesis)
24. Mohammadreza Kamali, 2014-2015 (Master's thesis)
25. Rai Guo, 2012-2015 (Ph.D. dissertation)
26. Akbar Bakhshi Zanjani, 2014–2014 (Master's thesis)
27. Jacob Mirabella, 2013–2013 (Master's thesis)
28. Mathew Johnson, 2013–2013 (Master's thesis)

29. Aldo Fabregas, 2007–2012 (Ph.D. dissertation)
30. Rita Patricia Pena-Baena Niebles, 2008–2010 (Ph.D. dissertation)
31. Aayush Thakur, 2012–2012 (Master's thesis)
32. Prony Bonnaire Fils, 2008–2012 (Ph.D. dissertation, Co-Major Professor)
33. Enrique Gonzalez-Velez, 2007–2011 (Ph.D. dissertation)
34. Anuj Puri, 2007–2008 (Ph.D. dissertation)
35. Achilleas Kourtellis, 2007–2009 (Ph.D. dissertation)
36. Tommy Pan, 2008–2009 (Master's thesis)
37. Hongyun Chen, 2008–2009 (Master's thesis)

PROJECT MANAGEMENT AND PARTICIATION

2025-2026	Innovative Signal Timing Design and Operation Strategies to Improve Nighttime Arterial Safety, BED25-752-03, $200,000, PI: **Pei-Sung Lin**, Co-PIs: Yaye Keita, Zhenyu Wang.
2024-2028	A Comprehensive Approach to Promoting Railroading Careers and Developing the Current Rail Industry Workforce, Consolidated Rail Infrastructure and Safety Improvements Program (FY 2022), Federal Railroad Administration (FRA), $17,073,949, PI: Lisa Staes, Co-PI: **Pei-Sung Lin**
2024-2026	Evaluation of Safety Improvements and Outcomes in FDOT District, FDOT District 7, BED25-752-03, $250,000, PI: **Pei-Sung Lin**, Co-PIs: Zhenyu Wang, Yaye Keita
2024-2026	Enhancement of SCRIM Safety Data Analysis and Tool Development to Support Prioritization of 3R and Safety Project Selection and Deployment, FDOT District 7, BED25-752-04, $160,000, PI: **Pei-Sung Lin**, Co-PIs: Zhenyu Wang, Qing Lu
2024-2028	2023 Work Zone Safety Grant with University of South Florida , FHWA, Award Number:693JJ324500XX, $750,000, PI: **Pei-Sung Lin**, Co-PI: Achilleas Kourtellis
2024-2025	Safe Routes to School Training Development and Delivery Phase III, FDOT, $91.343, PI: **Pei-Sung Lin**, Co-PIs: Jason Jackman, Cong Chen
2024-2025	Community Traffic Safety Support, FDOT/NHTSA, $675,000, PI: **Pei-Sung Lin**
2024-2025	Peer-to-Peer University Bicyclist and pedestrian Safety Education and Outreach Program, FDOT/NHTSA, $56,000, PI: Jason Jackman, Co-PI: **Pei-Sung Lin**
2024-2025	Evaluation of Promising Countermeasures and Innovative Techniques on Speed Management to Improve Pedestrian and Bicycle Safety, FDOT, BED25-977-23, $170,000, PI: **Pei-Sung Lin**, Co-PIs: Yaye Keita, Zhenyu Wang
2024-2025	Implementation of Backup Power for Traffic Cabinets during Extended Power Los**s**, FDOT, BED25-977-22, $200,000, PI: **Pei-Sung Lin**, Co-PI: Achilleas Kourtellis
2024-2025	Guidelines and Toolbox for Reducing Pedestrian Crashes with Turning Vehicles at Signalized Intersections, FDOT, BED25-977-19, $200,000, PI: **Pei-Sung Lin**, Co-PIs: Yaye Keita, Zhenyu Wang, Cong Chen
2023-2027	USF-CUTR I-4 FRAME Project "After" Study: Data Collection and Analysis of Safety and Mobility Conditions after Implementation, FDOT, BED25-977-15, $344,196, PI: **Pei-Sung Lin**, Co-PIs: Sisinnio Concas, Achilleas Kourtellis, Zhenyu Wang
2023-2025	Mitigation of Cybersecurity Vulnerabilities for Traffic Control Infrastructure, FDOT, BED25-977-17, #250,000. PI: Achilleas Kourtellis, Co-PIs: **Pei-Sung Lin**, Jarred Ligatti

2023-2025 Benefit-Cost Analysis to Use Big Data via Data Service - A Focused Study Using Aerial Imagery Data to Improve Pedestrian and Bicycle Safety, FDOT, BED25-977-16, $257,516, PI: **Pei-Sung Lin**, Co-PI: Achilleas Kourtellis

2023-2024 Community Traffic Safety Support, FDOT/NHTSA, $675,000, PI: **Pei-Sung Lin**

2023-2024 Work Zone Safety Paid Media Campaign, FDOT/NHTSA, $1,000,000, PI: **Pei-Sung Lin**

2023-2024 Evaluation of Innovative Pedestrian Detection Systems to Increase Safety, FDOT, BED25-977-14, $218,000, PI: **Pei-Sung Lin**, Co-PI: Achilleas Kourtellis

2023-2024 FDOT District 7 Before-After Studies and Safety Countermeasure Evaluation, FDOT District 7, BED25-752-02, $250,000, PI: **Pei-Sung Lin**, Co-PIs: Zhenyu Wang, Yaye Keita

2023-2024 SCRIM Safety Data Analysis and Guideline Development for Using Continuous Pavement Friction Measurements to Support Prioritization of 3R and Safety Project Selection and Deployment, FDOT District 7, BED25-752-01, $192,534, PI: **Pei-Sung Lin**, Co-PIs: Zhenyu Wang, Qing Lu

2023-2024 Infrastructure Enablers for Reliable Cooperative Driving Automation (CDA) Phase I: Existing Infrastructure Evaluation, FDOT, BED25-977-09, $230,000, PI: Arman Sargolzaei, Co-PI: **Pei-Sung Lin**

2023-2024 Safety Training Workshops Planning, Promotion and Delivery, FDOT, BDV25-945-04, $317,491, PI: **Pei-Sung Lin**, Co-PI: Cong Chen

2022-2025 Application of Artificial Intelligence Technologies in FDOT Safety and Transportation System Management and Operational (TSM&O) Programs. FDOT, BED25-977-13, $407,218, PI: Zhenyu Wang, Co-PI: **Pei-Sung Lin**, Yu Zhang, Mohammed Hadi

2022-2023 Florida Local Technical Assistance Program 2021-2022, FDOT, $420,000, PI: **Pei-Sung Lin**, Co-PIs: Cong Chen, Lisa Staes

2022-2023 Community Traffic Safety Support, FDOT/NHTSA, $740,000, PI: **Pei-Sung Lin**

2022-2023 Work Zone Safety Paid Media Campaign, FDOT/NHTSA, $750,000, PI: **Pei-Sung Lin**

2022-2023 Assessment of Highway-Railroad Grade Crossing Strategies, Countermeasures, and Technologies to Improve Traffic Safety and Mobility in Florida, FDOT, BED25-977-08, $247,424, PI: **Pei-Sung Lin**, Co-PIs: Zhenyu Wang, Priyanka Alluri (FIU)

2022-2023 Strategies for Transportation System Management and Operational Enhancement of Arterial Roadways, FDOT, BED25-977-10, $170,455, PI: **Pei-Sung Lin**, Co-PIs: Yaye Keita, Cong Chen

2022-2024 Development of Comprehensive Roadmap and Resource Guide towards Congestion Reduction, National Institute for Congestion Reduction (NICR), $95,000, PI: **Pei-Sung Lin**, Co-PI Zhenyu Wang

2022-2023 Evaluation on Effectiveness of Audible and Vibratory Treatment (AVT) Installations on Arterials and Collectors Based on FDOT Content-based Design Criteria, FDOT, BED25-977-03, $170,545, PI: **Pei-Sung Lin**, Co-PI: Cong Chen

2022-2024 Evaluation of Pilot Deployment of Portable Visual Barriers to Reduce Rubbernecking Impact During Freeway Crashes, FDOT, BED25-977-02, $181,837, PI: **Pei-Sung Lin**, Co-PI: Achilleas Kourtellis

2022-2023 Technical Support for FDOT District 7 on RTMC Operation Performance Audits, FDOT District 7, BEF11, $16,000, PI: **Pei-Sung Lin**

2022-2022 FDOT District 7-wide Lighting Level Measurement and Analysis, FDOT District 7, BDV25-762-30, $335,040, PI: **Pei-Sung Lin**, Co-PI: Zhenyu Wang

2021-2022 Toward a Florida Automated, Connected, Electric, and Shared (ACES) Transportation System Roadmap: Phase II, FDOT, BDV25-977-80, $150,251, PI: **Pei-Sung Lin**, Co-PIs: Zhenyu Wang, Xiaopeng Li

2021-2022 USF-CUTR I-4 FRAME Project Before Study: Data Collection and Analysis of Safety and Mobility Conditions Prior to Implementation, FDOT, BDV25-977-77, $281,019, PI: **Pei-Sung Lin**, Co-PIs: Sisinnio Concas, Xiaopeng Li, Zhenyu Wang, Achilleas Kourtellis

2021-2022 Florida Local Technical Assistance Program 2021-2022, FDOT, $300,000, PI: **Pei-Sung Lin**, Co-PIs: Cong Chen, Lisa Staes

2021-2022 Community Traffic Safety Support, FDOT/NHTSA, $740,000, PI: **Pei-Sung Lin**

2021-2022 Work Zone Safety Paid Media Campaign, FDOT/NHTSA, $750,000, PI: **Pei-Sung Lin**

2021-2022 Utilizing Artificial Intelligence and Vision-based Systems for Monitoring Trespassing – Best Practices. FTA, $224,932, PI: Achilleas Kourtellis, Co-PI: **Pei-Sung Lin**

2021-2022 Technical Support for FDOT District 7 on RTMC Operation Performance Audits and TSM&O Projects, FDOT, BDV25-962-27, $50,00, PI: **Pei-Sung Lin**, Co-PI: Zhenyu Wang

2021-2022 Crashes Related to Type and Location of Driveway Access, FDOT, BDV25-077-76, $339,914, PI: Kristine Williams, Co-PIs: **Pei-Sung Lin**, Cong Chen, Mouyid Islam

2021-2022 Safety Training Workshops Planning, Promotion and Delivery, FDOT, BDV25-945-04, $315,576, PI: **Pei-Sung Lin**, Co-PI: Cong Chen

2021-2022 Safe Routes to School Training Development and Delivery, FDOT, BDV25-945-03, $150,000, PI: **Pei-Sung Lin**, Co-PI: Jason Jackman

2021-2022 Development of Automated Roadway Lighting Diagnosis Tools for Nighttime Traffic Safety Improvement, Phase II, CTEDD, UT-Arlington, $69,744, PI: Zhenyu Wang, Co-PI: **Pei-Sung Lin**

2020-2021 Nighttime Pedestrian Crossing Behavior Study and Work Zone Safety Study for FDOT District 7, FDOT District 7, $50,000, PI: **Pei-Sung Lin**, Co-PI: Zhenyu Wang

2020-2021 USF-CUTR Technical Support to FDOT District 7 Traffic Operations – Before-After Studies, FDOT District 7, $50,000, PI: **Pei-Sung Lin**, Co-PI: Zhenyu Wang

2020-2022 Development of Crash Modification Factors for Speed Management of Traffic Signal Progression, FDOT, $150,319, PI: **Pei-Sung Lin**, Co-PI: Zhenyu Wang

2020-2021 Multimodal strategies for mitigating congestion from urban parcel delivery, National Institute for Congestion Reduction (NICR), $115,000, PI: **Pei-Sung Lin**, Co-PIs Zhenyu Wang, Yu Zhang

2020-2021 FDOT District 7 Lighting Level Data Collection and Analysis for 2020, JMT/FDOT District 7, $51,610, PI: **Pei-Sung Lin**, Co-PI: Zhenyu Wang

2020-2021 Community Traffic Safety Support, FDOT/NHTSA, $520,000, PI: **Pei-Sung Lin**

2020-2021 Florida Local Technical Assistance Program 2020-2021, FDOT, $300,000, PI: **Pei-Sung Lin**, Co-PIs: Cong Chen, Lisa Staes

2020-2022 Pedestrian and Bicycle Crash Typing and Analysis, FDOT, $185,876, PI: Cong Chen, Co-PIs: Achilleas Kourtellis, **Pei-Sung Lin**

2020-2021 Development of Before-After Safety Study Toolbox, FDOT District 7, $53,000, PI: **Pei-Sung Lin**, Co-PI: Zhenyu Wang

2020-2021	Railroad Dynamic Envelope Pavement Markings Before-and-After Study for FDOT District 7, FDOT District 7, $30,000, PI: Zhenyu Wang, Co-PI: **Pei-Sung Lin**
2020-2021	Identify Sources and Risks on Cybersecurity for Connected Vehicle Infrastructure, FDOT, $152,990, PI: **Pei-Sung Lin**, Co-PI: Jay Ligatti, Xiaopeng Li, Sean Barbeau, Achilleas Kourtellis
2020-2020	Operations of Sunshine Skyway Bridge in High Wind Conditions, FDOT District 7, $30,000, PI: **Pei-Sung Lin**, Co-PI: Cong Chen
2020-2020	A Safety Marketing and Education Campaign in District One's Priority Counties, FDOT District 1, $200,000, PI: Jason jackman, Co-PIs: **Pei-Sung Lin**, Achilleas Kourtellis
2019-2021	Prioritized Safety Consideration by Work Zone Types and Pilot Implementation, FDOT, $204,952, PI: **Pei-Sung Lin**, Co-PI: Zhenyu Wang, Mouyid Islam
2019-2021	Wong-Way Driving Solution, Policy, and Guidance, Auburn University/TRB, NCHRP 3-135 - Wong-Way Driving Solution, Policy, and Guidance, $40,000, PI: **Pei-Sung Lin**, Co-PI, Cong Chen
2019-2021	Toward a Florida Automated, Connected, Electric, and Shared (ACES) Transportation System Roadmap, FDOT, $200,000, PI: **Pei-Sung Lin**, Co-PI: Nikhil Menon
2019-2021	Public Safety Awareness Technology Evaluation – Literature Review, ENSCO, $207,500, PI: Lisa Staes, Co-PIs: **Pei-Sung Lin**, Achilleas Kourtellis
2019-2020	1-1 Demand-Side Management of Auto Traffic, National Institute for Congestion Reduction (NICR), $139,000, PI: **Pei-Sung Lin**, Co-PI Zhenyu Wang
2019-2020	Development of Automated Roadway Lighting Diagnosis Tools for Nighttime Traffic Safety Improvement, Center for Transportation Equity, Decisions & Dollars, USDOT (Tier-1) University Transportation Center, $73,187, PI: Zhenyu Wang, Co-PIs: **Pei-Sung Lin,** Srinivas Katkoori
2019-2020	Community Traffic Safety Support, FDOT/NHTSA, $274,500, PI: **Pei-Sung Lin**
2019-2020	Impaired Driving Campaign Development project, FDOT/NHTSA, $40,000, PI: **Pei-Sung Lin**, Co-PI: Jason Jackman
2019-2020	Occupant Protection and Child Passenger Safety Campaign Development, FDOT/NHTSA, $25,000, PI: **Pei-Sung Lin**, Co-PI: Jason Jackman
2019-2020	Distracted Driving Outreach Program, FDOT/NHTSA, $26,000, PI: Jason jackman, Co-PI: **Pei-Sung Lin**
2019-2020	Local Technical Assistance Program 2019-2020, FDOT, $300,000, PI: **Pei-Sung Lin**, Co-PIs: Lisa Staes, Cong Chen.
2019-2021	Development of Low Voltage/Extended Runtime Signalized Intersection Using Backup Power after the Loss of Utility Power Due to Hurricanes, FDOT, $329,835, PI: **Pei-Sung Lin**, Co-PIs: Zhixin Miao, Zhenyu Wang, Achilleas Kourtellis, Cong Chen
2019-2020	Mitigation of Trespasser and Suicide Fatalities and Injuries, FTA, $269,000, PI: **Pei-Sung Lin**, Lisa Staes, Co-PI: Achilleas Kourtellis
2019-2019	Quality Assurance Review of Intersection Lighting Retrofits, FDOT, $31,310, PI: **Pei-Sung Lin**, Co-PI: Zhenyu Wang
2019-2019	Testing and Evaluation of FLIR Thermal Camera-based System, JMT/FDOT, $38,555, PI: **Pei-Sung Lin**, Co-PI: Cong Chen

2018-2020	Application of Dynamic Crash Prediction Methodologies to FDOT Safety and TSM&O Programs, FDOT, $171,646, PI: Zhenyu Wang, Co-PI: **Pei-Sung Lin**
2018–2019	Florida's Comprehensive Pedestrian and Bicycle Safety Program, FDOT/NHTSA, $500,000, PI: **Pei-Sung Lin**, Co-PI: Jason Jackman
2018–2019	Community Traffic Safety Support, FDOT/NHTSA, $214,000, PI: **Pei-Sung Lin**
2018–2019	Impaired Driving Campaign Development project, FDOT/NHTSA, $50,000, PI: **Pei-Sung Lin**, Co-PI: Jason Jackman
2018–2019	Occupant Protection and Child Passenger Safety Campaign Development, FDOT/NHTSA, $25,000, PI: **Pei-Sung Lin**, Co-PI: Jason Jackman
2018–2019	WalkWise Statewide Educational Campaigns on Pedestrian Safety, FDOT/NHTSA, $75,000, PI: Jason Jackman Co-PI: **Pei-Sung Lin**
2018-2019	Local Technical Assistance Program 2018-2019, FDOT, $300,000, PI: **Pei-Sung Lin**, Co-PIs: Lisa Staes, Cong Chen.
2018-2019	City of Lakeland / Lakeland Area Mass Transit District (LAMTD) Technical Assistance for Transit Signal Priority (TSP) Project Development, FDOT District 1, $ 39,253, PI: **Pei-Sung Lin**, Co-PI: Robert Gregg
2018–2019	Pilot Implementation for Preventing Incorrect Turns at Highway-Rail Grade Crossings, FDOT, $129,771, PI: **Pei-Sung Lin**, Co-PI: Zhenyu Wang
2018–2018	Campus Automated Shuttle Service Deployment Initiative, National Center for Transit Research, $105,000, PI: **Pei-Sung Lin**, Co-PI: Achilleas Kourtellis
2018-2018	Smartphone-based Connected Bicycle Prototype Development for Sustainable Multimodal Transportation System, National Center for Transit Research, $105,000, PI: Achilleas Kourtellis, Co-PI: **Pei-Sung Lin**
2017–2019	Integration of a Robust Automated Pedestrian Detection System for Signalized Intersections, FDOT, $249,467, PI: **Pei-Sung Lin**, Co-PIs: Achilleas Kourtellis, Zhenyu Wang, Srinivas Katkoori
2017–2019	Understanding Interactions between Drivers and Pedestrian Features at Signalized Intersections, Phase 3, FDOT/FHWA, $325,460, PI: **Pei-Sung Lin**, Co-PI: Achilleas Kourtellis, Zhenyu Wang
2017–2018	Community Traffic Safety Support, FDOT/NHTSA, $275,000, PI: **Pei-Sung Lin**
2017–2018	Occupant Protection and Child Passenger Safety Campaign Development, FDOT/NHTSA, $25,000, PI: **Pei-Sung Lin**, Co-PI: Jason Jackman
2017–2021	Statewide Pedestrian and Bicyclist Focus Education and Enforcement Effort, FDOT/NHTSA, $445,551, PI: **Pei-Sung Lin**, Co-PIs: Jason Jackman, Achilleas Kourtellis
2017–2018	Florida's Comprehensive Pedestrian and Bicycle Safety Program, FDOT/NHTSA, $650,000, PI: **Pei-Sung Lin**, Co-PIs: Achilleas Kourtellis, Jason Jackman
2017–2018	Pedestrian Program Evaluation and Data Collection, FDOT/NHTSA, $250,000, PI: Achilleas Kourtellis. Co-PI: **Pei-Sung Lin**
2017–2018	WalkWise Statewide Educational Campaigns on Pedestrian Safety, FDOT/NHTSA, $100,000, PI: **Pei-Sung Lin**, Co-PI: Jason Jackman
2017–2018	Florida's Bicycle/Pedestrian Focused Initiative – Communications, FDOT/NHTSA, $400,000, PI: **Pei-Sung Lin**

2017–2018 Pedestrian and Bicycle Safety Public Education Program, FDOT/NHTSA, $200,000, PI: **Pei-Sung Lin**

2017–2018 Impaired Driving Campaign Development project, FDOT/NHTSA, $50,000, PI: **Pei-Sung Lin**, Co-PI: Jason Jackman

2017–2018 Enhanced Safety for Crossing Zones – Florida's Bicycle Pedestrian Focused Initiative Communication and High Visibility Enforcement Program, Year 2, FDOT/FHWA, $6,750,000, PI: **Pei-Sung Lin**, Co-PI: Achilleas

2017–2018 Determination of Traffic Adjustment Factors for Florida's High Tourist Activity Beach/Coastal Sites, FDOT, $119,947, PI: Seckin Ozkul, Co-PI: **Pei-Sung Lin**

2017–2018 Testing and Evaluation of Freeway Wrong-way Driving Detection Systems, FDOT, $140,407, PI: **Pei-Sung Lin**, Co-PI: Seckin Ozkul

2017–2017 Impaired Driving Campaign Development project, FDOT/NHTSA, $50,000, PI: **Pei-Sung Lin**, Co-PI: Jason Jackman

2016–2017 Florida's Comprehensive Pedestrian and Bicycle Safety Program, FDOT/NHTSA, $650,000, PI: **Pei-Sung Lin**, Co-PI: Achilleas Kourtellis

2016–2017 Florida's Bicycle/Pedestrian Focused Initiative – Communications, FDOT/NHTSA, $400,000, PI: **Pei-Sung Lin**

2016–2017 Pedestrian Program Evaluation and Data Collection, FDOT/NHTSA, $250,000, PI: Achilleas Kourtellis. Co-PI: **Pei-Sung Lin**

2016–2017 Community Traffic Safety Support, FDOT/NHTSA, $175,000, PI: **Pei-Sung Lin,** Co-PI: Jason Jackman

2016–2017 WalkWise Statewide Educational Campaigns on Pedestrian Safety, FDOT/NHTSA, $100,000, PI: **Pei-Sung Lin**, Co-PI: Jason Jackman

2016–2017 Improving Pedestrian and Bicycle Safety via Statewide University Educational Outreach, FDOT/NHTSA, $30,000, PI: **Pei-Sung Lin**, Co-PI: Jason Jackman

2016–2017 Enhanced Safety for Crossing Zones – Florida's Bicycle Pedestrian Focused Initiative Communication and High Visibility Enforcement Program, FDOT/FHWA, $6,750,000, PI: **Pei-Sung Lin**, Co-PI: Achilleas

2016–2017 Understanding Interactions between Drivers and Pedestrian Features at Signalized Intersections, Phase 2, FDOT/FHWA, $224,811, PI: **Pei-Sung Lin**, Co-PIs: Achilleas Kourtellis, Zhenyu Wang

2016-2017 Application of Demographic Analysis to Pedestrian Safety, FDOT, $91,708. PI: **Pei-Sung Lin**, Co-PIs: Achilleas Kourtellis, Yu Zhang

2016–2017 Development of Statewide Guidelines for Implementing Leading Pedestrian Intervals in Florida, FDOT, $128,597, PI: **Pei-Sung Lin**, Co-PI: Zhenyu Wang

2016–2017 Study on Motorcycle Safety in Negotiation with Horizontal Curves in Florida and Development of Crash Modification Factors, FDOT, $124,791, PI: Zhenyu Wang, Co-PIs: **Pei-Sung Lin**, Chanyoung Lee

2016–2016 Comparing Countermeasures for Mitigating Wrong-way Entries onto Limited Access Facilities, FDOT, $268,398, PI: **Pei-Sung Lin**, Co-PI: Seckin

2016–2016 Optimization of Road Rangers Operations for FDOT District 7 Freeway Systems, FDOT District 7, $49,250, PI: **Pei-Sung Lin**, Co-PI: Zhenyu Wang

2015–2017 Improving Knowledge of Safe Pedestrian Behavior through WalkWise Grassroots Education in Sarasota and Manatee Counties, FDOT District One, $249,766, PI: **Pei-Sung Lin**

2015–2017 Crash Typing of Pedestrian and Bicycle Crashes, FDOT, $120,582, PI: Achilleas Kourtellis, Co-PI: **Pei-Sung Lin**

2015–2016 Florida's Comprehensive Pedestrian and Bicycle Safety Program, FDOT/NHTSA, $650,000, PI: **Pei-Sung Lin**, Co-PI: Achilleas Kourtellis

2015–2016 Florida's Bicycle/Pedestrian Focused Initiative – Communications, FDOT/NHTSA, $400,000, PI: **Pei-Sung Lin**

2015–2016 Pedestrian Program Evaluation and Data Collection, FDOT/NHTSA, $200,000, PI: Achilleas Kourtellis. Co-PI: **Pei-Sung Lin**

2015–2016 Community Traffic Safety Support, FDOT/NHTSA, $150,000, PI: **Pei-Sung Lin,** Co-PI: Jason Jackman

2015–2016 WalkWise Statewide Educational Campaigns on Pedestrian Safety, FDOT/NHTSA, $80,000, PI: **Pei-Sung Lin,** Co-PI: Jason Jackman

2015–2016 Improving Pedestrian and Bicycle Safety via Statewide University Educational Outreach, FDOT/NHTSA, $50,000, PI: **Pei-Sung Lin**, Co-PI: Jason Jackman

2015–2016 Florida's Bicycle/Pedestrian Focused Initiative Communication & High Visibility Enforcement Implementation, Phase III, FDOT/FHWA, $4,500,000, PI: **Pei-Sung Lin**

2015–2015 Understanding Interactions between Drivers and Pedestrian Features at Signalized Intersections, FDOT/FHWA, $145,551, PI: **Pei-Sung Lin**, Co-PI: Achilleas Kourtellis

2014–2018 Evaluation on Implementation of Rectangular Rapid Flashing Beacons at Freeway Off-ramps to Reduce Wrong-Way Driving, FDOT District 7, $56,604, PI: **Pei-Sung Lin**, Co-PI: Seckin Ozkul

2014–2015 Comprehensive Pedestrian and Bicycle Safety Program, FDOT/NHTSA, $695,430, PI: **Pei-Sung Lin**, Co-PIs: Lucas Cruse, Achilleas Kourtellis

2014–2015 Florida's Bicycle/Pedestrian Focused Initiative – Communications, FDOT/NHTSA, $500,000, PI: **Pei-Sung Lin**

2014–2015 Pedestrian Program Evaluation and Data Collection, FDOT/NHTSA, $200,000, PI: Achilleas Kourtellis. Co-PI: **Pei-Sung Lin**

2014–2015 Community Traffic Safety Support, FDOT/NHTSA, $150,000, PI: **Pei-Sung Lin**

2014–2015 Improving Knowledge of Pedestrian Behaviors through Walk Wise, FDOT/NHTSA, $100,000, PI: Julie Bond, Co-PI: **Pei-Sung Lin**

2014–2015 Comprehensive Motorcycle Safety Program, FDOT/NHTSA, $575,000, PI: **Pei-Sung Lin**, Co–PI: Chanyoung Lee

2014–2015 Observational Survey of Motorcyclist Behaviors, FDOT/NHTSA, $100,000, PI: Chanyoung Lee, Co-PI: **Pei-Sung Lin**

2014–2015 Motorcycle Program Evaluation and Data Collection, FDOT/NHTSA $100,000, PI: Chanyoung Lee, Co-PI: **Pei-Sung Lin**

2014–2015 Impaired Motorcyclist PSA Campaign, FDOT/NHTSA, $300,000, PI: **Pei-Sung Lin**

2014–2015 Share the Road PSA Campaign, FDOT/NHTSA, $210,000, PI: **Pei-Sung Lin**

2014–2015 Development of Effective Truck Route Signing Program for City of Tampa, Transportation Division, City of Tampa, $49,561, PI: **Pei-Sung Lin**, Co-PI: Zhenyu Wang

2014–2017 Naturalistic Bicycling Behavior Pilot Study, FDOT, $292,168, PI: **Pei-Sung Lin**, Co-PIs: Achilleas Kourtellis, Srinivas Katkoori, Lucas Cruse

2014–2015 Pilot Study for Preventing Incorrect Turns at Highway–Rail Grade Crossings, FDOT, $114,081, PI: **Pei-Sung Lin**, Co-PI: Zhenyu Wang

2014 Street Lighting Measurements on Selected Corridors in FDOT District 7 Phase III and Phase IV, FDOT District 7, $99,414, PI: **Pei-Sung Lin**, Co-PI: Zhenyu Wang

2013–2014 Street Lighting Measurements on Selected Corridors in FDOT District 7 Phase II, FDOT District 7, $54,991, PI: **Pei-Sung Lin**, Co-PI: Zhenyu Wang

2013–2015 Florida's Bicycle/Pedestrian Focused Initiative Communication & High Visibility Enforcement Implementation, FDOT/FHWA, $9,220,000, PI: **Pei-Sung Lin**

2013–2014 Comprehensive Pedestrian Safety Program, FDOT/NHTSA, $400,000, PI: **Pei-Sung Lin**, Co-PIs: Lucas Cruse, Achilleas Kourtellis

2013–2014 Florida's Bicycle/Pedestrian Focused Initiative – Communications, FDOT/NHTSA, $500,000, PI: **Pei-Sung Lin**

2013–2014 Pedestrian Program Evaluation and Data Collection, FDOT/NHTSA, $150,000, PI: Achilleas Kourtellis. Co-PI: **Pei-Sung Lin**

2013–2014 Community Traffic Safety Support, FDOT/NHTSA, $150,000, PI: **Pei-Sung Lin**

2013–2014 Pedestrian and Bicycle Safety Support Staff, FDOT/NHTSA, $88,660, PI: **Pei-Sung Lin**

2013–2014 Walk Wise Tampa, FDOT/NHTSA, $100,000, PI: Julie Bond, Co-PI: **Pei-Sung Lin**

2013–2014 Comprehensive Motorcycle Safety Program, FDOT/NHTSA, $575,000, PI: **Pei-Sung Lin**, Co-PI: Chanyoung Lee

2013–2014 Florida's Motorcycle Assessment, FDOT/NHTSA, $50,000, PI: **Pei-Sung Lin**, Co-PI: Chanyoung Lee

2013–2014 Observational Survey of Motorcyclist Behaviors, FDOT/NHTSA, $100,000, PI: Chanyoung Lee, Co-PI: **Pei-Sung Lin**

2013–2014 Motorcycle Program Evaluation and Data Collection, FDOT/NHTSA $100,000, PI: Chanyoung Lee, Co-PI: **Pei-Sung Lin**

2013–2014 Impaired Motorcyclist PSA Campaign, FDOT/NHTSA, $300,000, PI: **Pei-Sung Lin**

2013–2014 Share the Road PSA Campaign, FDOT/NHTSA, $238,857, PI: **Pei-Sung Lin**

2012–2013 Support of Alert Today Alive Tomorrow Pedestrian and Bicycle Safety Campaign, FDOT, $800,000, PI: **Pei-Sung Lin**

2012–2013 Comprehensive Motorcycle Safety Program, FDOT/NHTSA, $575,000, PI: **Pei-Sung Lin**, Co-PI: Chanyoung Lee

2012–2013 Observational Survey of Motorcyclist Behaviors, FDOT/NHTSA, $100,000, PI: Chanyoung Lee, Co-PI: **Pei-Sung Lin**

2012–2013 Motorcycle Program Evaluation and Data Collection, FDOT/NHTSA $100,000, PI: Chanyoung Lee, Co-PI: **Pei-Sung Lin**

2012–2013 Impaired Motorcyclist PSA Campaign, FDOT/NHTSA, $400,000, PI: **Pei-Sung Lin**

2012–2013 Share the Road PSA Campaign, FDOT/NHTSA, $279,259, PI: **Pei-Sung Lin**

2012–2013 Motorcycle Conspicuity Campaign, FDOT/NHTSA, $350,000, PI: Chanyoung Lee

2012–2013 Comprehensive Pedestrian Safety Program, FDOT/NHTSA, $400,000, PI: **Pei-Sung Lin**, Co-PI: Achilleas Kourtellis

2012–2013 Pedestrian Program Evaluation and Data Collection, FDOT/NHTSA, $100.000, PI: Achilleas Kourtellis, Co-PI: **Pei-Sung Lin**

2012–2013 Florida's Bicycle/Pedestrian Focused Initiative: Impaired Driving, FDOT/NHTSA, $400,000, PI: **Pei-Sung Lin**

2012–2013 Florida's Bicycle/Pedestrian Focused Initiative: Communications, FDOT/NHTSA, $800,000, PI: **Pei-Sung Lin**

2012–2013 Community Traffic Safety Support, FDOT/NHTSA, $150,000, PI: **Pei-Sung Lin**

2012–2013 Street Lighting Measurements on Selected Corridors in FDOT District 7, FDOT District 7, $36,176, PI: Aldo Fabregas, Co-PI: **Pei-Sung Lin**

2012–2013 USF Tampa Campus Speed Limit Study, USF Campus Police, $20,000, PI: **Pei-Sung Lin**, Co-PI: Aldo Fabregas

2012–2013 Improved Traffic Control Measures to Prevent Incorrect Turns at Highway–Rail Grade Crossings, FDOT/NCTR, $99,033.88, PI: **Pei-Sung Lin**, Co-PI: Aldo Fabregas

2012–2013 Coordinated Pre–Preemption of Traffic Signals to Enhance Railroad Grade Crossing Safety in Urban Areas and Estimation of Train Impacts to Arterial Travel Time Delay, FDOT, $145,424.4, PI: **Pei-Sung Lin**

2011–2012 Bicycle/Pedestrian Focused Initiative, FDOT, $300,000, PI: **Pei-Sung Lin**, Co-PI: Achilleas Kourtellis

2011–2012 Evaluation of Camera-based Systems to Reduce Transit Bus Side Collisions – Phase II, FDOT, $98,840, PI: **Pei-Sung Lin**, Co-PI: Achilleas Kourtellis

2011–2012 Comprehensive Motorcycle Safety Program, FDOT, $575,000, PI: **Pei-Sung Lin**, Co-PIs: Chanyoung Lee, Aldo Fabregas, Achilleas Kourtellis

2011–2012 Motorcycle Program Evaluation and Data Collection, FDOT, $150,000, PI: Chanyoung Lee, Co-PI: **Pei-Sung Lin**

2011–2012 Observational Survey of Motorcyclist Behaviors, FDOT, $125,000, PI: Chanyoung Lee, Co-PI: **Pei-Sung Lin**

2011–2012 Recommendations for Yield–to–Bus Traffic Control Devices and Bus Pullout Bays Design Characteristics, FDOT, $78,956, PI: **Pei-Sung Lin**, Co-PI: Aldo Fabregas

2011–2012 Florida Minority Occupant Protection Task Force, FDOT, $129,184, PI: **Pei-Sung Lin**

2011–2012 Share the Road PSA Campaign, FDOT, $272,087, PI: **Pei-Sung Lin**

2011–2012 Impaired Motorcyclists Safety Campaign, FDOT, $400,000, PI: **Pei-Sung Lin**

2011–2012 NHTSA Pedestrian Assessment, FDOT, $75,000, PI: **Pei-Sung Lin**

2011–2012 Landscaping of Highway Median at Intersections, FDOT, $183,370, PI: **Pei-Sung Lin**, Co-PIs: Aldo Fabregas, Hongyun Chen

2011–2011 Sample Selection Procedure for Re–Testing Traffic Law and Substance Abuse Education, Florida Department of Highway Safety and Motor Vehicles (FL DHSMV), $8,460, PI: Aldo Fabregas, Co-PI: **Pei-Sung Lin**

2011–2011 Review and Update of Road Ranger Cost Benefit Analysis, FDOT, $87,850, PI: **Pei-Sung Lin**, Co-PI: Aldo Fabregas

2010–2014	Tampa Bay In–Vehicle Driving Behavior Field Study, CUBRC/SHRP2–TRB, National Academies, $2,453,669, PI: **Pei-Sung Lin**, Co-PIs: Chanyoung Lee, Aldo Fabregas, Achilleas Kourtellis
2010–2011	FDOT District 7 Pedestrian Safety Action Plan/NHTSA Grant Evaluation, FDOT District 7, $17,082, PI: Achilleas Kourtellis, Co-PI: **Pei-Sung Lin**
2010–2011	Florida Minority Occupant Protection Task Force, FDOT, $108,686, PI: **Pei-Sung Lin**
2010–2011	Comprehensive Motorcycle Safety Program II, FDOT, $275,000, PI: **Pei-Sung Lin**, Co-PIs: Chanyoung Lee, Aldo Fabregas, Achilleas Kourtellis
2010–2011	Comprehensive Motorcycle Safety Program, FDOT, $300,000, PI: **Pei-Sung Lin**, Co-PIs: Chanyoung Lee, Aldo Fabregas, Achilleas Kourtellis
2010–2011	Observational Survey of Motorcyclists, FDOT, $125,000, PI: Chanyoung Lee, Co-PI: **Pei-Sung Lin**
2010–2011	Motorcycle Program Evaluation and Data Collection, FDOT, $150,000, PI: Chanyoung Lee, Co-PI: **Pei-Sung Lin**
2010–2011	Community Traffic Safety Support, FDOT, $200,000, PI: **Pei-Sung Lin**
2010–2011	Share the Road PSA Campaign, FDOT, $100,000, PI: **Pei-Sung Lin**
2010–2011	Impaired Motorcyclists Safety Campaign, FDOT, $400,000, PI: **Pei-Sung Lin**
2009–2014	Trip Internalization in Multi–Use Development, FDOT, $247,091, PI: **Pei-Sung Lin**, Co-PIs: Chanyoung Lee, Aldo Fabregas and Abdul Pinjari
2009–2010	Comprehensive Motorcycle Safety Program, FDOT, $575,000, PI: **Pei-Sung Lin**, Co-PI: Chanyoung Lee
2009–2010	Share the Road PSA Campaign, FDOT, $400,000, PI: **Pei-Sung Lin**
2009–2010	Impaired Motorcyclists Safety Campaign, FDOT, $400,000, PI: **Pei-Sung Lin**
2009–2010	Observational Survey of Motorcyclists, FDOT, $100,000, PI: **Pei-Sung Lin**, Co-PI: Chanyoung Lee
2009–2010	Florida Mobility Fee Implementation, FDOT, $100,000, PI: Karen Seggerman, Co-PIs: Kristine Williams and **Pei-Sung Lin**
2009–2010	ITS Technology Enhancements for Florida's Turnpike Enterprise, Phase I: Needs Assessment and ITS Technology Review, Jacobs Engineering, Inc., $66,150, PI: **Pei-Sung Lin**, Co-PI: Aldo Fabregas
2009–2010	A Before and After Study of Implementing Flashing Yellow Arrow for Permissive Left Turns in Pinellas County, Florida, Pinellas County Public Works, $32,237, PI: **Pei-Sung Lin**, Co-PI: Aldo Fabregas
2009–2010	Evaluation of Camera–Based Systems to Reduce Transit Bus Side Collisions, NCTR/FDOT, $99,958, PI: **Pei-Sung Lin**, Co-PI: Chanyoung Lee
2009–2010	Moving Traffic Safely Back into Traffic, Phase II, NCTR/FDOT, $99,527, PI: **Pei-Sung Lin**, Co-PI: Aldo Fabregas
2009–2010	Assessing Air Quality Impacts of Managed Lanes, NCTR/FDOT, $99,997, PI: Amy Stuart, Co-PI: **Pei-Sung Lin**
2009	Florida Transportation Mobility Fee Methodology Study, FDOT, $100,000, PI: Karen Seggerman, Co-PIs: **Pei-Sung Lin**, Kristine Williams

2008–2009	Florida Transportation Mobility Fee Study, FDCA, $216,404, PI: Kristine Williams, Karen Seggerman, **Pei-Sung Lin**
2008–2009	Development of An Interface between FDOT's Crash Analysis Reporting System and the Safety Analyst, FDOT, $79,960, PI: John Lu, Co-PIs: **Pei-Sung Lin**, Pan Liu
2007–2009	Impact of Communication/Detection Degradation on Advanced Traffic Management Systems Operations, FHWA/FDOT, $213,492, PI: **Pei-Sung Lin**
2007	A Model Spreadsheet Tracking System for Transportation Concurrency Management, FDCA, $40,000, PI: **Pei-Sung Lin**
2007	Tracking of Jurisdictional Development Impacts and De Minimis Trips, Sarasota County Public Works, $9,889, PI: **Pei-Sung Lin**
2006–2008	Evaluation of Power Line Motor Carrier Rear Vision System, FHWA/FDOT, $717,249, PI: **Pei-Sung Lin**
2006–2008	Signal Technology Applications to Address Traffic Congestion on US 301 in Starke, Florida, FHWA/FAU/FDOT, $293,000, PI: **Pei-Sung Lin**
2006–2008	Development of MOT Training Program for Incident Responders in Florida, FHWA/FAU/FDOT, $185,392, PI: **Pei-Sung Lin**
2006–2007	Documenting Improved Mobility Techniques on SIS and Trip Facilities, FDOT, $74,999, Co-PI: **Pei-Sung Lin**
2006–2007	Development of Effective Strategies to Alleviate Traffic Congestion for the Barrier Islands, Longboat Key Town Commission, $34,973, PI: **Pei-Sung Lin**
2006	Transportation Concurrency and Impact Assessment Study, Florida Department of Community Affairs, $196,045. Researcher: **Pei-Sung Lin**
2006	Real-time Video Data Collection Using Small Unmanned Helicopters for Traffic Monitoring, Analysis, Evaluation, Management and Network Planning, $100,000, PI: **Pei-Sung Lin**, and Kimon Valavanis
2006	Traffic Signs Research Study for Miami-Dade County, Miami–Dade MPO, $28,358, PI: **Pei-Sung Lin**
2006	Original/Destination Phase II, $37,490, FDOT, Subcontract to Wilbur Smith Associate
2005–2006	Model Ordinance for Proportionate Share Mitigation of Development Impacts on Transportation Corridors, FDOT, $88,716, Researcher: **Pei-Sung Lin**
2005–2006	Development of Sarasota County Traffic Concurrency Database, Transportation Planning, Sarasota County Public Works, $33,166, PI: **Pei-Sung Lin**, Co-PI: Larry Hagen
2004–2006	A Toolbox for Reducing Queues at Freeway Off–Ramps, FDOT, $240,000, PI: Larry Hagen, Researcher: **Pei-Sung Lin**
2004–2005	Evaluation of Drive 4 Life for I–4, FDOT District Seven, Subcontract to Greenhorne & O'Mara, Inc., $14,517, PI: **Pei-Sung Lin**, Co-PI: Huaguo Zhou
2005	Evaluation of the Conversion for Northbound Bus Route from 31st Road to 32nd Road, Miami-Dade Transit, $17,414, PI: Larry Hagen, Co-PI: **Pei-Sung Lin**

LEADERSHIP POSITIONS

2024-Present	Panel member, NCHRP Project 23-46

2022–Present	Committee Research Coordinator (CRC) - Workforce Development & Organizational Excellence Committee (AJE15), Transportation Research Board (TRB)
2021–Present	Board Member, International Chinese Transportation Professional Association (ICTPA)
2019–2020	Co-Chair, Technical Program Committee, the 13th Asia Pacific Transportation Development and 33rd ICTPA Annual Conference
2019–2020	International Advisory Committee Member, Innovation in Transportation, the 13th Asia Pacific Transportation Development and 33rd ICTPA Annual Conference
2018–Present	Member, National Local Technical Assistance Program Association (NFLAPA)
2018–Present	Director, Florida Local Technical Assistance Program Center
2018–Present	Honorary member, Florida Association of County Engineers and Road Superintendents (FACERS)
2018–2019	Technical Program Committee Member, Innovation in Transportation, the 32nd ICTPA Annual Conference
2018–2019	International Advisory Committee Member, Innovation in Transportation, the 32nd ICTPA Annual Conference
2017-2018	Technical Committee Member, Innovation in Transportation, the 31st ICTPA Annual Conference
2017–2018	International Advisory Committee Member, Innovation in Transportation, the 31st ICTPA Annual Conference
2017–Present	ICTPA Past Presidents & Board of Advisors
2015–2017	Immediate Past President, ICTPA
2015–2016	Member, USF Research Strategic Planning Committee
2013–2015	President, International Chinese Transportation Professional Association (ICTPA)
2014–2015	Conference Chair, The 3rd IACGE Internal Conference on Geotechnical and Earthquake Engineering and 28th ICTPA Annual Conference
2013–2014	Conference Chair, The10th Asia Pacific Transportation Development and 27th ICTPA Annual Conference
2013–2014	Technical Committee Co–Chair, 10th Asia Pacific Transportation Development and 27th ICTPA Annual Conference
2013–2014	Co–Editor, “Challenges and Advances in Sustainable Transportation Systems – Plan, Design, Build, Manage, and Maintain,” American Society of Civil Engineers (ASCE)
2012–2018	Member, Pedestrian Research Subcommittee, Transportation Research Board (TRB)
2012–2019	Member, Florida Pedestrian and Bicycle Safety Coalition
2012–2013	Conference Co–Chair, 26th ICTPA Annual Conference
2012–2013	Conference Organizing Committee Chair, 26th ICTPA Annual Conference
2012–2013	1st Vice President, ICTPA
2011–2012	2nd Vice President, ICTPA
2011–2013	Editor, ICTPA Quarterly Newsletter (worldwide distribution)
2010–2015	President, ICTPA Florida Chapter

2010–2017	Board of Directors, ICTPA
2010–2015	Member, Florida Motorcycle Safety Coalition
2009–present	Institute of Transportation Engineers (ITE) Student Chapter Supervisor, University of South Florida
2006–2009	Committee member representing academia, FDOT Traffic Signal Operations Committee
2006–2009	Member, Steering Committee, TSM&O Guidelines, ITE
2006–2008	Member, Traffic Simulation Subcommittee, TRB
2016–Present	Member of Transportation Systems Management & Operations (TSMO) Council, ITE
2005–2015	Chair, Intelligent Traffic Signal Operations Committee, ITE
2005–2015	Executive Committee, Management & Operations/ITS Council, ITE
2005–present	Traffic Engineering Council, ITE
2002–2007	Member, Transportation Management Center (TMC) Committee, ITE
2002–2005	Member, Detection, Verification and Response Committee, Florida Statewide Traffic Incident Management Team
2002–2004	Member, Professional Capacity Building Committee, Intelligent Transportation Society of Florida

HONORS, AWARDS AND ACTIVITIES

- Panel Member, NCHRP 23-46 project.
- No. 2 Rank Awardee ($3,185,875) with Research Awards Received in the College of Engineering, and No. 12 Rank Awardee at the University of South Florida during FY 23-24 (7/1/23 – 6/30/2024)
- 2023 National Roadway Safety Award on Florida's Intersection High Friction Surface Treatment Program, Principal Investigator of the FDOT District 7 project on Technical Support for FDOT District 7 on Traffic Safety Studies", November 29, 2023
- 2022 Outstanding Staff Award (OSA) of USF on Florida LTAP Team, Director of the LTAP Center, October 21, 2022. Dr. Pei-Sung Lin was Program Director.
- No. 2 Rank Awardee ($3,018,678) with Research Awards Received in the College of Engineering, and No. 14 Rank Awardee at the University of South Florida during FY 22-23 (7/1/22 – 6/30/2023)
- AASHTO Region 2 2022 High Value Research Supplemental Award in the Safety, Security, and Emergencies category - Pilot Implementation for Preventing Incorrect Turns at Highway-Rail Grade Crossings, Principal Investigator
- No. 2 Rank Awardee ($2,858,091) with Research Awards Received in the College of Engineering, and No. 13 Rank Awardee at the University of South Florida during FY 21-22 (7/1/21 – 6/30/2022)
- Member, TRB Standing Committee on Workforce Development and Organizational Excellence. (AJE15), April 2022 - present
- Member, CUTR Strategic Plan – Action Plan Committee, March 2022 – April 2022.
- Member. CUTR's Career Path Guidelines Update Committee, July 2021 – February 2022.
- Chair of Technical Committee for the 2021 CUTR Student Poster Competition, Tampa, Florida, November 9, 2021

- 2021 National Roadway Safety Award on Arterial Work Zone Safety, Principal Investigator of the FDOT Project titled "Prioritized Safety Consideration by Work Zone Types and Pilot Implementation", October 6, 2021
- 2021 National Roadway Safety Award Honorable Mention on Florida Local Technical Assistance Program (LTAP), Principal Investigator of the FDOT Project titled "Florida Local Technical Assistance Program (LTAP)", October 6, 2021
- No. 1 Rank Awardee ($3,088,512) with Research Awards Received in the College of Engineering, and No. 12 Rank Awardee at the University of South Florida during FY 20-21 (7/1/20 – 6/30/2021)
- FDOT TaxWatch Productivity Award Winner, Team Leader of the Florida Local Technical Assistance Program (LTAP) Center, December 2020
- No. 4 Rank Awardee ($1,457,963) with Research Awards Received in the College of Engineering, and No. 31 Rank Awardee at the University of South Florida during FY 18-19 (7/1/19 – 6/30/2020)
- Reviewer for Traffic Injury Prevention Journal, May 4 - 13, 2020
- Outstanding Student Organization Advisor Award Presented by the University of South Florida, Tampa, April 20, 2020
- Outstanding Graduate Student Organization Award to the USF Institute of Transportation Engineers (ITE) Student Chapter, presented by the University of South Florida, Tampa, April 20, 2020. Dr. Pei-Sung Lin was Faculty Advisor
- Chair of Technical Program Subcommittee 3 for the 13th Asia Pacific Transportation Development Conference and ICTPA 33rd Annual Conference in Shanghai, China, May 28-30, 2020
- Chair of Technical Committee for the 2019 CUTR Student Poster Competition, Tampa, Florida, November 7, 2019
- 2019 National Roadway Safety Award on the Alert Today Florida Program, Principal Investigator of the Florida Comprehensive Pedestrian and Bicycle Safety Program grant from 2012-2019
- Finalists the National Operations Center of Excellence (NOCoE) Transportation Technology Tournament, Faculty Advisor of two USF Teams, 2019 Joint ITE International and Texas District Annual Meeting and Exhibit, Austin, Texas, July 21-24
- No. 1 Rank Awardee ($7,667,120) with Research Awards Received in the College of Engineering, and No. 3 Rank Awardee at the University of South Florida during FY 18-19 (7/1/18 – 6/30/2019)
- Reviewer, Transportation Research Part D: Transport and Environment, EviseSupport@elsevier.com, April 26, 2019
- Reviewer for 2019 International Chinese Transportation Professionals Association Annual Conference, April 1, 2019
- Judge for the 2018 Florida Automated Vehicle Summit Student Poster Competition, Tampa, Florida, November 28-29, 2018
- Judge for the 2018 CUTR Student Poster Competition, Tampa, Florida, November 1, 2018
- Chair of Technical Committee for the 2018 CUTR Student Poster Competition, Tampa, Florida, November 1, 2018
- "Sweet Sixteen" most high-value transportation research projects in the country in 2018 selected by The American Association of State Highway and Transportation Officials (AASHTO). Project title: *Application of Demographic Analysis to Pedestrian Safety*, Dr. Pei-Sung Lin is the project principal Investigator
- Member of Evaluation/Selection Committee in selecting the consultant for the USF parking study, July

24 – October 4, 2018

- Winner of the 2018 ITE International Collegiate Traffic Bowl Grand Championship, Faculty Advisor of USF ITE Student Chapter, August 21, 2018
- 2018 Outstanding Graduate Student Organization Award to Institute of Transportation Engineers by Celebration of Leadership, University of South Florida, Faculty Advisor of USF ITE Student Chapter, April 17, 2018
- No. 1 Rank Awardee ($9,573,541) with Research Awards Received in the College of Engineering, and No. 3 Rank Awardee at the University of South Florida during FY 17-18 (7/1/17 – 6/30/2018)
- Guest speaker for Transportation Engineering II, Tampa, University of South Florida, February 20, 2018
- Judge for the Data Visualization Competition sponsored by the USF ITE Student Chapter, Tampa, Florida, December 1, 2017
- Judge for the 2017 Florida Automated Vehicle Summit Student Poster Competition, Tampa, Florida, November 14, 2017
- Edward A. Mueller - District 10 Transportation Engineer of the Year, Recognition of outstanding contribution to transportation profession and District 10 of ITE, Presented by the President of Florida Section Institute of Transportation Engineers during the Florida Section ITE Annual Meeting Award Banquet, Orlando, Florida, November 2, 2017
- Judge for the 2017 CUTR Student Poster Competition, Tampa, Florida, October 4, 2017
- Chair of Technical Committee for the 2017 CUTR Student Poster Competition
- Florida Section ITE Collegiate Traffic Bowl Champion, Faculty Advisor of USF ITE Student Chapter, June 22, 2017
- Best Paper Award – This best paper award is presented to an outstanding paper titled "Optimization of Freeway Patrol Operations – A Comprehensive Case Study", Presented at the 30th ICTPA Annual Conference in Houston, Texas, May 21, 2017
- Distinguished Service Award from the International Chinese Transportation Professionals Association (ICTPA) received at the 30th ICTPA Annual Conference in Houston, Texas, May 20, 2017
- Judge for three-minute thesis student competition sponsored by USF ITE Student Chapter, April 7, 2017
- Invitation to serve as a paper reviewer for the Injury Prevention Journal, April 1, 2017
- Invitation as a reviewer of for conference papers for the 30th Annual ICTPA Conference, March 2017
- Best Technical Paper, "Development of Advanced Lighting Measurement System (ALMS) and its Applications on Improving Nighttime Traffic Safety", FLITE Magazine, Institute of Transportation Engineers, Florida Section – District 10, November 2016
- Organizer and technical committee chair, 2016 CUTR Student Poster Competition, November 2, 2015
- No. 1 Rank Awardee with Research Awards Received during FY16–17, FY15-16, FY13-14, FY12-13, and No. 2 during FY11-12 in College of Engineering at the University of South Florida
- No. 4 Rank (Award Total: $8,144,732) Awardee with Research Awards Received during FY16–17, University of South Florida,
- No. 6 Rank (Award Total: $6,887,498) Awardee with Research Awards Received during FY15–16, University of South Florida
- 1st place, 2016 Florida Section ITE Student Traffic Bowl Competition, Florida Section ITE Summer

Meeting, June 22–24, 2016, Daytona, Florida (faculty supervisor, USF ITE Student Chapter)

- 2015 National Roadway Safety Award, Federal Highway Administration (FHWA), US Department of Transportation, November 2015, recognition of "Advanced Lighting Measurement System" for its significant contribution to roadway safety in infrastructure and operations
- 1st place (Abhijit Vasili), 2015 Florida Section ITE Student Poster Competition, Florida Section ITE Annual Meeting, November 2–4, 2015, Tampa, Florida (faculty supervisor, USF ITE Student Chapter)
- Organizer and technical committee chair, 2015 CUTR Student Poster Competition, November 2, 2015
- Invitation by USF President Judy Genshaft and Senior Vice President Paul Sanberg as USF's preeminent research faculty to attend Researcher Dinner & Conversation on November 19, 2014
- 1st place (Jodi Godfrey), 2014 Florida Section ITE Student Poster Competition, Florida Section ITE Annual Meeting, November 5–7, 2014, Boca Raton, Florida (faculty supervisor, USF ITE Student Chapter)
- Organizer and technical committee chair, 2014 CUTR Student Poster Competition, October 22, 2014
- Invitation as panel member to WEDU's Florida Matters show to discuss wrong-way crashes, October 6, 2014
- No. 2 Rank (Award Total: $11,758,837) Awardee with Research Awards Received during FY13–14, University of South Florida
- Invitation to attend USDOT UTC Pedestrian and Bicycle Workshop, September 29, 2014, USDOT Headquarters, Washington DC
- Invitation to attend 9th SHRP 2 Annual Safety Research Symposium, July 10, 2014, National Academies, Washington DC
- Conference Chair, 10th Asia Pacific Transportation Development and 27th ICTPA Annual Conference, Beijing, China, May 25–27, 2014
- Technical Committee Co-chair for the 10th Asia Pacific Transportation Development and the 27th ICTPA Annual Conference in Beijing, China, May 25–27, 2014
- No. 3 Rank (Award Total: $4,295,399) Awardee with Research Awards Received during FY12–13, University of South Florida
- Invitation by USF President, Dr. Judy Genshaft and Senior Vice President Paul Sanberg as USF's preeminent research faculty to Researchers Dinner & Conversation on September 25, 2013
- 2013 SMSA Outstanding State Award, National Association of State Motorcycle Safety Administrators, August 30, 2013, recognition of Florida's Comprehensive Motorcycle Safety Program (headed up CUTR team)
- Peter K. O'Rourke Special Achievement Award, Governors Highway Safety Association (GHSA), August 2013, recognition of Florida Department of Transportation for its "FDOT Bicycle/Pedestrian Focused Initiative" (headed up CUTR team)
- Certification of Appreciation, International Chinese Transportation Professionals Association (ICTPA), May 25, 2013, recognition of an outstanding service as Conference Co-Chair and Organizing Committee Chair of the 26th ICTPA Annual Conference
- Conference Co-Chair, 26th ICTPA Annual Conference, Tampa, May 24–26, 2013
- No. 6 Rank (Award Total: $3,614,820) Awardee with Research Awards Received during FY11–12, University of South Florida
- 1st Place, ITE District 10 Traffic Bowl Competition (faculty Supervisor, USF ITE Student Chapter), June 2012

- John W. Barr District 10 Transportation Achievement Award, Florida Section Institute of Transportation Engineers, December 1, 2011, recognition of Florida Motorcycle Safety Coalition for its outstanding contribution to reduce motorcycle related fatalities, injuries and crashes in Florida (headed up CUTR team)
- No. 10 rank, Top 25 PIs with Research Awards Received during FY10–11, University of South Florida
- 2011 National Roadway Safety Award, Federal Highway Administration (FHWA), US Department of Transportation, September 2011, recognition of the production of "Making Roadway Safer for Motorcyclists" DVD supported by Florida Motorcycle Safety Coalition (headed up CUTR team)
- Excellence in Teamwork Award, Florida Department of Transportation, Florida's Motorcycle Safety Coalition, September 2011
- Excellence in Teamwork Award, Florida Department of Transportation, Florida's Minority Task Force on Occupant Protection, September 2011
- Excellent Paper Award, ICTPA 24th Annual Conference & NACGEA International Symposium on Geo-Trans, Los Angeles, May 27–29, 2011, "Development of an Integrated MOT Training Program for Incident Responders to Improve Traffic Safety and Mobility"
- Invitation from ITS America to participate in planning and preparation for Student Day at 18th ITS World Congress in Orlando (2011)
- Best Project of the Year Award, Comprehensive Motorcycle Safety Program Project, Tampa Bay Institute of Transportation Engineer (TBITE), December 2010
- No. 22 rank, Top 25 PIs with Research Awards Received during FY09–10, University of South Florida
- Peter K. O'Rourke Special Achievement Award to Florida Motorcycle Safety Coalition from Governors Highway Safety Association (GHSA), September 2010
- 2010 National Transportation Public Affairs Workshop (NTPAW) Skills Award for Best Public Awareness Event, "Ride Straight State to State," Florida Motorcycle Safety Coalition
- 2010 ITE Coordinating Council Award, August 2010, "Management and Operation of Intelligent Transportation Systems–An ITE Informational Report" (authored Chapter 9: Performance Monitoring)
- Florida ITE Newsletter/Magazine Outstanding Paper Award, November 2009, "The Effect of Detection and Communication Failures on Traffic Signal Performance"
- Florida Section Student Chapter of the Year Award, USF Chapter (faculty advisor), November 2009
- Reviewer, *Manual of Transportation Studies* Chapters 9 and 11, August 27, 2009
- Reviewer, University of California Transportation Center Proposal, March 11, 2009
- Reviewer, University of Florida Center for Multimodal Solutions for Congestion Mitigation (CMS) Proposal, December 22, 2008
- Project of the Year Award, Tampa Bay Institute of Transportation Engineers, "Transportation Concurrency Best Practices Guide," December 10, 2008
- 2008 Transportation Planning Council Best Project Award to Florida Department of Community Affairs, Institute of Transportation Engineers, August 19, 2008, recognition of the "Transportation Concurrency Best Practices Guide" (project Co-PI)
- Technical review panel, "A Guide for the Creation and Evaluation of Transportation Concurrency Exception Areas," University of Florida, 2007
- Reviewer, draft *Ramp Management and Control Handbook*, May 2005

- Award of Notably Outstanding Work (NOW), Sarasota County Public Works, May 2004
- Award of Notably Outstanding Work (NOW), Sarasota County Public Works, February 2004
- Sarasota County Public Works Quality Service Award, January 6, 2004
- Nomination, 2003 FPEG Government Engineer of the Year Award, February 2003
- Sarasota County Public Works Quality Service Award, January 29, 2003
- 2002 NACo Achievement Award, National Association of Counties, recognition of "University Parkway Leading and Lagging Operation" project (project manager)
- Graduate, Sarasota County Leadership Development Program, June 4, 2002
- Award, Sarasota County Exceptional Value Added Performance, September 2001
- Award of Performance Recognized as Outstanding (PRO), individual accomplishment, Board of Sarasota County Commissioners, July 10, 2001
- Award of Notably Outstanding Work (NOW), Sarasota County Public Works, April and June 2001
- Award for Academic Achievement (cumulative 4.0 Grade Point Average), University of Florida in 1995
- 1st Place, 1993 Florida ITE Past President papers competition
- Award for Outstanding Academic Achievement (Top 5%), National Chung-Hsing University, 1986

PUBLICATIONS

Combined Journal Papers and Conference Papers

2024

1. **Pei-Sung Lin**, Zhenyu Wang, "Innovative Pre-Preemption Strategies for Traffic Light-Controlled Intersections Adjacent to Railroad Crossings", Mass Transit, August 2024
   Innovative Pre-Preemption Strategies for Traffic Light-Controlled Intersections Adjacent to Railroad Crossings | Mass Transit
2. Rakesh Rangaswamy, Nawaf Alnawmasi, Zhenyu Wang, **Pei-Sung Lin**, "Exploring contributing factors to improper driving actions in single-vehicle work zone crashes: A mixed logit analysis considering heterogeneity in means and variances, and temporal instability", Journal of Transportation Safety & Security, 16:7, 768-797, 2024.
   https://doi.org/10.1080/19439962.2023.2253748
3. **Pei-Sung Lin**, Yaye Keita, Shubhankar Shindgikar, Emmeth Duran, Ela Białkowska-Jelińska, Rakesh Rangaswamy, "Effects of Law Enforcement Presence, Frequency, and Duration on Speeding", International Conference on Transportation and Development 2024, American Society of Civil Engineers (ASCE), Published on June 13, 2024.
   https://doi.org/10.1061/9780784485514.030
4. **Pei-Sung Lin**, Cong Chen, Yaye Keita, Shubhankar Shindgikar Ela Białkowska-Jelińska, "Evaluation of Sinusoidal Rumble Strips on Noise Mitigation and Bicycle Accommodation", International Conference on Transportation and Development 2024, American Society of Civil Engineers (ASCE), Published on June 13, 2024.
   https://doi.org/10.1061/9780784485514.02
5. **Pei-Sung Lin**, Achilleas Kourtellis, Zhenyu Wang, "Extended Runtime at Signalized Intersection Using Backup Power After the Loss of Utility Power", International Conference on Transportation and Development 2024, American Society of Civil Engineers (ASCE), Published on June 13, 2024.
   https://doi.org/10.1061/9780784485514.032

6. Zhenyu Wang, **Pei-Sung Lin**, Yaye Keia, "Safety Benefits of Parcel delivery Modes using Geographically Weighted Negative Binominal Regression", International Conference on Transportation and Development 2024, American Society of Civil Engineers (ASCE), Published on June 13, 2024.
   https://doi.org/10.1061/9780784485514.020
7. Tia Boyd, Cong Chen, **Pei-Sung Lin**, Ela Białkowska-Jelińska, "Understanding How We Can Make Commercial Driveways Safer: Exploratory Analysis Through Case Studies", International Conference on Transportation and Development 2024, American Society of Civil Engineers (ASCE), Published on June 13, 2024.
   https://doi.org/10.1061/9780784485514.006
8. Cong Chen, Elzbieta Bialkowska-Jelinska, Kristine Williams, **Pei-Sung Lin**, Shubhankar Chintamani Shindgikar, Tia Boyd, Gina Bonyani, "Assessment of Pedestrian and Bicycle Safety at Commercial Driveways along Major Corridors", International Conference on Transportation and Development 2024, American Society of Civil Engineers (ASCE), Published on June 13, 2024.
   https://doi.org/10.1061/9780784485514.00
9. Rakesh Rangaswamy, Nawaf Alnawmasi, Zhenyu Wang, **Pei-Sung Lin**, Exploring contributing factors to improper driving actions in single-vehicle work zone crashes: A mixed logit analysis considering heterogeneity in means and variances, and temporal instability, Journal of Transportation Safety & Security, Volume 16, 2024 – Issue 7.
   https://doi.org/10.1080/19439962.2023.2253748

2023

10. Qianwen Li, Zhenyu Wang, Rama Durga, Tammayya Kolla, Mingchen Li, Runan Yang, **Pei-Sung Lin**, Xiaopeng Li, "Modeling effects of roadway lighting photometric criteria on nighttime pedestrian crashes on roadway segments", Journal of Safety Research, July 2023.
    https://doi.org/10.1016/j.jsr.2023.07.004
11. **Pei-Sung Lin**, Yaye Keita, Zhenyu Wang, "Speed Management via Traffic Signal Progression to Improve Pedestrian and Bicycle Safety on Urban Arterials", International Conference on Transportation and Development 2023, American Society of Civil Engineers (ASCE), Published on June 13, 2023.
    Speed Management via Traffic Signal Progression to Improve Pedestrian and Bicycle Safety on Urban Arterials (ascelibrary.org)
12. **Pei-Sung Lin**, Zhenyu Wang, Rakesh Rangaswamy, "Innovative Approaches to Significantly Improve Arterial Work Zone Safety", International Conference on Transportation and Development 2023, American Society of Civil Engineers (ASCE), Published on June 13, 2023.
    Innovative Approaches to Significantly Improve Arterial Work Zone Safety | Proceedings | Vol , No (ascelibrary.org)
13. Abhijit Vasili, Zhenyu Wang, Rama Durga Tammayya Naidu Kolla, **Pei-Sung Lin**, "Evaluation of Dynamic Envelope Pavement Marking to Improve Motorist Stopping Behaviors at Highway-Rail Grade Crossings", ITE Journal, February 2023. February 2023 (ygsclicbook.com)

2022

14. Rakesh Rangaswamy, Rama Durga Tammayya Naidu Kolla. Zhenyu Wang, Chanyoung lee, **Pei-Sung Lin**, "Evaluation of Dynamic Speed Feedback Signs to Improve Motorcycle Safety on Rural Curves", *ITE Journal*, September 2022. https://ite.ygsclicbook.com/pubs/itejournal/2022/september-2022/live/index.html#p=38
15. Cong Chen, **Pei-Sung Lin**, Rupert Giroux, "Implementing FHWA's Focused Approach to Pedestrian and Bicycle Safety: A Safety Workforce Development Virtual Symposium in Florida under COVID-19", International Conference on Transportation and Development 2022. American Society of Civil Engineers, Published online on August 31, 2022. https://doi.org/10.1061/9780784484340.003

2021

16. D Qianwen Li, Zhenyu Wang, Mingchen Li, Runan Yang, **Pei-Sung Lin**, Xiaopeng Li, "Development of crash modification factors for roadway illuminance: A matched case-control study", Accident Analysis & Prevention, Volume 159, 106279, September 2021. https://doi.org/10.1016/j.aap.2021.106279
17. Zhenyu Wang, **Pei-Sung Lin**, Abhijit Vasili, Rui Guo, Runan Yang, "Evaluation of a Low-Cost Countermeasure to Prevent Incorrect Turns at Highway-Rail Grade Crossing", *ITE Journal*, March 2021. https://www.nxtbook.com/ygsreprints/ITE/ITE_Mar2021/index.php#/p/42
18. Zhenyu Wang, Abhijit Vasili, Runan Yang, **Pei-Sung Lin**, "Recursive Bivariate Probit Analysis of Injury Severity and Non-Truck Improper Actions in Large Truck-Related Crashes on Florida Suburban Roads", *Transportation Research Record: Journal of the Transportation Research Board*, March 1, 2021. https://doi.org/10.1177/0361198121997146

2020

19. **Pei-Sung Lin**, Nikhil Menon, Cong Chen, Achilleas Kourtellis, "Assessment of a Week-Long Campus Automated Shuttle Demonstration in Low-Speed Environments", *Resilience and Sustainable Transportation Systems*, Page: 263-272, American Society of Civil Engineers, June, 2020. https://doi.org/10.1061/9780784482902.030
20. Fengxiang Qiao, Yong Bai, **Pei-Sung Lin**, Steven I Jy Chien, Yongping Zhang, Lin Zhu, *Resilience and Sustainable Transportation Systems*, American Society of Civil Engineers, June, 2020. https://doi.org/10.1061/9780784482902
21. Rui Guo, Zhiqiang Wu, Yu Zhang, Zhenyu Wang, **Pei-Sung Lin,** "Insights from Integrated Geo-Location Data for Pedestrian Crashes, Demographics, and Land Uses", *Transportation Research Record, Journal of the Transportation Research Board*, 2020. https://doi.org/10.1177/0361198120920267

2019

22. Zhenyu Wang, Changyoung Lee, **Pei-Sung Lin**, Rui Guo, Chunfu Xin, Rama Durga Tammayya Naidu Kolla, Runan Yang, Abhijit Vasili, "Motorcycles and Horizontal Curves-A Literature Review", Accident Reconstruction Journal, Volume 29 Issue 5, September 2019. http://worldcat.org/oclc/20782681
23. Runan Yang, Zhenyu Wang, **Pei-Sung Lin**, Xiaopeng Li, Yu Chen, Ping P. Hsu & Alex Henry, "Safety effects of street lighting on roadway segments: Development of a crash modification function", Traffic Injury Prevention, Page: 296-302, Volume 20 Issue 3, April 11, 2019. https://doi.org/10.1080/15389588.2019.1573317
24. **Pei-Sung Lin**, Rui Guo, Elzbieta Bialkowska-Jelinska. Achilleas Kourtellis, Yu Zhang, "Development of countermeasures to effectively improve pedestrian safety in low-income areas", Journal of Traffic and Transportation Engineering, Open Access, Available online February 8, 2019. https://doi.org/10.1016/j.jtte.2019.02.001
25. Chun fu Xin, Zhenyu Wang, Chanyoung Lee, **Pei-Sung Lin**, Tao Chen, Rui Guo, Qing Lu, "Development of Crash Modification Factors of Horizontal Curve Design Features for Single-motorcycle Crashes on Rural Two-lane Highways: A Matched Case-control Study", Volume 123, pp 51-59, February 2019. https://doi.org/10.1016/j.aap.2018.11.008
26. Zhenyu Wang, Mingchen Li, Runan Yang, **Pei-Sung Lin**, Chunfu Xin, Peter Hsu, Edith Wong, "A Matched Case-Control Safety Study of Street Lighting Uniformity Along Urban Roadway Segments", Compendium of Papers, 98th Transportation Research Board Annual Meeting, Washington DC, January 13-17, 2019.
27. Rama Durga Tammayya Naidu Kolla, Rakesh Rangawsamy, Zhenyu Wang, Chanyoung Lee, **Pei-Sung Lin**, Abhijit Vasili, Edith Wong, "Evaluation of Dynamic Speed Feedback Sign to Improve Motorcycle Safety on Horizontal Curves Along Rural Roads", Compendium of Papers, 98th Transportation Research Board Annual Meeting, Washington DC, January 13-17, 2019.
28. Runan Yang, Zhenyu Wang, Chanyoung Lee, **Pei-Sung Lin**, Rui Guo, Chunfu Xin, "A Mixed Logistic Study of Motorcyclists at Fault in Two-Vehicle Crashes on Horizontal Curves", Compendium of Papers, 98th Transportation Research Board Annual Meeting, Washington DC, January 13-17, 2019.

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29. **Pei-Sung Lin**, Seckin Ozkul, Rui Guo and Cong Chen, "Assessment of countermeasure effectiveness and informativeness in mitigating wrong-way entries onto limited-access facilities", Accident Analysis & Prevention, Volume 116, pp 69-93, July 2018. https://doi.org/10.1016/j.aap.2017.11.027
30. **Pei-Sung Lin**, Achilleas Kourtellis, Cong Chen, Trenda McPherson and Peter Hsu, "Naturalistic Bicycling Behavior Pilot Study", Compendium of Papers, 12th Asia Pacific Transportation Development Conference & 31st ICTPA Annual Conference Guangzhou, China, June 14-17, 2018.
31. **Pei-Sung Lin**, Cong Chen, Zhenyu Wang, and Rui Guo, "Assessment of Leading Pedestrian Interval Suitability and Effectiveness - Before-after Pilot Study", Compendium of Papers, 12th Asia Pacific Transportation Development Conference & 31st ICTPA Annual Conference Guangzhou, China, June 14-17, 2018.
32. **Pei-Sung Lin**, Cong Chen, Achilleas Kourtellis, Zhenyu Wang, Rui Guo, Zhao Zhang, "Investigating Driver Compliance with Pedestrian Features at Signalized Intersections: SHRP 2 Naturalistic Driving Study Data Analysis", *Compendium of Papers*, 97th Transportation Research Board Annual Meeting, Washington DC, January 7-11, 2018.
33. Zhenyu Wang, Chunfu Xin, **Pei-Sung Lin**, Tao Chen, "Exploring the Impacts of Street Illuminance on Nighttime Crash Severity in Roadway Segments Using a Random Parameter Ordered Probit Model", *Compendium of Papers*, 97th Transportation Research Board Annual Meeting, Washington DC, January 7-11, 2018.
34. Haozhe Cong, Cong Chen, **Pei-Sung Lin**, Guohui Zhang, John Milton, Ye Zhi, "Traffic Incident Duration Prediction Based on a Dual-Learning Bayesian Network Model", *Transportation Research Record, Journal of the Transportation Research Board*, Volume 2672, Issue 45, September 2018. https://doi.org/10.1177/0361198118796938
35. Chunfu Xin, Zhenyu Wang, Chanyoung Lee, **Pei-Sung Lin**, Tao Chen, Rui Guo, Qing Lu, "A Matched Case-Control Study on Single-Motorcycle Crashes on Rural, Two-Lane, Undivided Horizontal Curves in Florida", *Compendium of Papers*, 97th Transportation Research Board Annual Meeting, Washington DC, January 7-11, 2018.

2017

36. Chunfu Xin, Rui Guo, Zhenyu Wang, Qing Lu, and **Pei-Sung Lin**, "The effects of neighbourhood characteristics and the built environment on pedestrian injury severity: A random parameters generalized ordered probability model with heterogeneity in means and variances", Analytic Methods in Accident Research, Volume 16, December 2017, Pages 117-132 https://doi.org/10.1016/j.amar.2017.10.001
37. Rui Guo, Chunfu Xin, **Pei-Sung Lin**, Achilleas Kourtellis, "Mixed Effects Logistic Model to Address Demographics and Neighborhood Environment on Pedestrian Injury Severity", Transportation Research Record, Journal of the Transportation Research Board, Volume 2659, pp 174-181, December 2017. https://doi.org/10.3141/2659-19
38. Chunfu Xin, Zhenyu Wang, **Pei-Sung Lin**, Chanyoung Lee, "Modeling Safety Effects of Horizontal Curve Design on Injury Severity of Single-Motorcycle Crashes with Mixed-Effects Logistic Model, Motorcycle", Trucks, Buses, and Roundabouts. Transportation Research Record, Journal of the Transportation Research Board, Volume 2637, pp 38-46, 2017. https://doi.org/10.3141/2637-05
39. Chunfu Xin, Zhenyu Wang, **Pei-Sung Lin**, Chanyoung Lee, and Rui Guo, "Safety Effects of Horizontal Curve Design on Motorcycle Crash Frequency on Rural, Two-Lane, Undivided Highways in Florida", Motorcycle, Trucks, Buses, and Roundabouts. Transportation Research Record, Journal of the Transportation Research Board, Volume 2637, pp 1-8, 2017. https://doi.org/10.3141/2637-01
40. Seckin Ozkul, **Pei-Sung Lin**, "Evaluation of red RRFB implementation at freeway off-ramps and its effectiveness on alleviating wrong-way driving", Transportation Research Procedia, Volume 22, Pages 570–579, 2017. https://doi.org/10.1016/j.trpro.2017.03.046
41. **Pei-Sung Lin**, Zhenyu Wang, Mohsen Parsafard, Xiaopeng Li, Chester Chandler, "Optimization of freeway patrol operations — a comprehensive case study", *Compendium of Papers*, 30th ICTPA Annual Conference, May 19-21, 2017, Houston, Texas, USA. 2017, pp: 19 – 35.

42. **Pei-Sung Lin**, Rui Guo, Elzbieta Bialkowska-Jelinska, Achilleas Kourtellis, Yu Zhang, "Development of countermeasures to effectively improve pedestrian safety in low-income areas", *Compendium of Papers*, 30th ICTPA Annual Conference, May 19-21, 2017, Houston, Texas, USA. 2017, pp: 149 – 166.
43. Zhenyu Wang, **Pei-Sung Lin**, Yu Chen, Peter Hsu, Seckin Ozkul, Michael Bato, "Safety Effects of Street Illuminance on Roadway Segments in Florida", *Compendium of Papers,* 96th Transportation Research Board Annual Meeting, Washington DC, January 8-12, 2017.
44. Zhenyu Wang, Chunfu Xin, **Pei-Sung Lin**, Chanyoung Lee, Rui Guo, "Safety Effects of Horizontal Curve Design on Motorcycle Crash Frequency on Rural Two-Lane Undivided Highways in Florida", *Compendium of Papers,* 96th Transportation Research Board Annual Meeting, Washington DC, January 8-12, 2017.
45. Zhenyu Wang, Chunfu Xin, Chanyoung Lee, **Pei-Sung Lin**, "Modeling Random Effects of Horizontal Curve Design on Injury Severity of Single-Motorcycle Crashes Using Mixed-Effects Logistic Model", *Compendium of Papers,* 96th Transportation Research Board Annual Meeting, Washington DC, January 8-12, 2017.

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46. Fulu Wei, Zhenyu Wang, **Pei-Sung Lin**, Ping P. Hsu, Seckin Ozkul, Jason Jackman, Michael Bato, "Safety Effects of Street Illuminance at Urban Signalized Intersections in Florida", Visibility and Work Zone Traffic Control, Transportation Research Record, Journal of the Transportation Research Board, No. 2555, pp 95-102, 2016. https://doi.org/10.3141/2555-13
47. Hongyun Chen, Aldo Fabregas, **Pei-Sung Lin**, "Landscaping of highway medians and roadway safety at unsignalized intersections", Accident Analysis & Prevention, Volume, pp 63-72, May 14, 2016. https://doi.org/10.1016/j.aap.2016.02.006
48. **Pei-Sung Lin**, Zhenyu Wang, Rui Guo, "Impact of Connected Vehicles and Autonomous Vehicles on Future Transportation", Bridging the East and West: Theories and Practices of Transportation in the Asia Pacific, pp. 46-53, Proceedings, the 11th Asia Pacific Transportation Development Conference and 29th ICTPA Annual Conference, Published by American Society of Civil Engineers, May 2016. https://doi.org/10.1061/9780784479810.006
49. **Pei-Sung Lin**, Zhenyu Wang, Rui Guo, Achilleas Kourtellis, "A Pilot Study on Interactions between Drivers and Pedestrian Features at Signalized Intersections-Using the SHRP2 Naturalistic Driving Study Data", Bridging the East and West: Theories and Practices of Transportation in the Asia Pacific, pp. 70-77, Proceedings, the 11th Asia Pacific Transportation Development Conference and 29th ICTPA Annual Conference, Published by American Society of Civil Engineers, May 2016. https://doi.org/10.1061/9780784479810.009
50. **Pei-Sung Lin**, Seckin Ozkul, Chester Chandler III, "Evaluation on Perceived Effectiveness of Red RRFB Configurations to Reduce Wrong-Way Driving", Bridging the East and West: Theories and Practices of Transportation in the Asia Pacific, pp. 206-213, Proceedings, the 11th Asia Pacific Transportation Development Conference and 29th ICTPA Annual Conference, Published by American Society of Civil Engineers, May 2016. https://doi.org/10.1061/9780784479810.024
51. Zhenyu Wang, Fulu Wei, **Pei-Sung Lin**, Seckin Ozkul, Michael Bato, "Safety Effects of Street Illuminance at Urban Signalized Intersections in Florida", *Compendium of Papers,* 95th Transportation Research Board Annual Meeting, Washington DC, January 10-14, 2016.
52. Fulu Wei, Zhenyu Wang, Zhaowei Qu, Jian John Lu, **Pei-Sung Lin**, "Study on Lane Changes During Left Turns on Quadruple Left-Turn Lanes at Signalized Intersections in China", *Compendium of Papers,* 95th Transportation Research Board Annual Meeting, Washington DC, January 10-14, 2016.
53. **Pei-Sung Lin**, Seckin Ozkul, "Danger Alert, Mitigating wrong-way driving through red RRFB implementation", pp 46-47, 49, Road and Bridge, Volume 54, Issue Number 1, January 2016

2015

54. Achilleas Kourtellis, Lucas Cruse, **Pei-Sung Lin**, "Do As I Say Not As I Do: Observed Compliance vs. Stated Understanding of Pedestrian Crossing Laws", Pedestrians, Transportation Research Record, Journal of the Transportation Research Board, No. 2519, pp 165-171, 2015. https://doi.org/10.3141/2519-18

55. **Pei-Sung Lin**, Seckin Ozkul, "Evaluation on Impact of Red RRFB Implementation at Freeway Off-Ramps on Driving Behaviors Along Adjacent Arterials", Executive Summary, ITE 2015 Annual Meeting and Exhibit Online Database/Website, Institute of Transportation Engineers, August 2015.
56. **Pei-Sung Lin**, Aldo Fabregas, "Enhancement of Estimation of Internal Trip Capture Rates for Mixed-Use Developments", The 28th Conference Proceedings of International Chinese Transportation Professional Association (ICTPA), Tongji University Press, April 2015
57. **Pei-Sung Lin**, Achilleas Kourtellis, Yu Zhang, "Understanding of Safety Impact and Potential Causes of Distracted Walking and Biking", The 28th Conference Proceedings of International Chinese Transportation Professional Association (ICTPA), Tongji University Press, April 2015
58. Aldo Fabregas, **Pei-Sung Lin**, Vivek Koneru, Brian Stephen Bochner, Karen E. Seggerman, Abdul Rawoof Pinjari, "Verification of Trip Generation and Trip Internalization Estimation Procedures for Mixed-Use Developments", *Compendium of Papers,* 94th Transportation Research Board Annual Meeting, Washington DC, January 11-15, 2015.
59. Achilleas Kourtellis, Lucas Cruse, **Pei-Sung Lin**, "Do As I Say Not As I Do: Observed Compliance vs. Stated Understanding of Pedestrian Crossing Laws", *Compendium of Papers,* 94th Transportation Research Board Annual Meeting, Washington DC, January 11-15, 2015.
60. Hongyun Chen, Aldo Fabregas, **Pei-Sung Lin**, "Impacts of Landscaping Designs on Roadway Safety at Unsignalized Intersections", *Compendium of Papers,* 94th Transportation Research Board Annual Meeting, Washington DC, January 11-15, 2015.

2014

61. Huaguo Zhou, Jiquang Zhao, **Pei-Sung Lin**, Peter Hsu "Reducing Traffic Crashes through a Short-Term and Long-Term Safety Improvement Program: A Case Example in Florida," XXXIV, *Advances in Transportation Studies, An International Journal*, November 2014.
62. **Pei-Sung Lin**, Aldo Fabregas, Hongyun Chen. "Development of Resource Allocation Strategies for Operating and Maintaining Traffic Signal Systems," Challenge*s and Advances in Sustainable Transportation Systems,* 73-80, ISBN (print) 978-0-7844-1336-4, American Society of Civil Engineers (ASCE), May 2014. https://doi.org/10.1061/9780784413364.010
63. **Pei-Sung Lin**, Aldo Fabregas, Achilleas Kourtellis, Edgar Bryant, Sherrell Lall, "Planning and Design for Prevention of Incorrect Turns onto Highway-Rail Grade Crossings," *Challenges and Advances in Sustainable Transportation Systems*, 358-365, ISBN (print) 978-0-7844-1336-4, American Society of Civil Engineers (ASCE), May 2014. https://doi.org/10.1061/9780784413364.044
64. Mathew Johnson, Aldo Fabregas, Zhenyu Wang, Srinivas Katkoori, **Pei-Sung Lin**, "Embedded System Design of an Advanced Illumination Measurement System for Highways," *Conference Proceedings*, 2014 IEEE International Systems Conference, Ottawa, Ontario, Canada, March 31–April 3, 2014. https://doi.org/10.1109/SysCon.2014.6819314
65. **Pei-Sung Lin**, Zhenyu Wang, Peter Hsu, Mathew Johnson, Michael Bato, "Development of Mobile Lighting Level Measurement Devices to Improve Pedestrian and Bicycle Safety," Executive Summary, ITE 2014 Technical Conference and Exhibit Online Database/Website, Institute of Transportation Engineers, March 2014.
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   - Motorcycle Safety Coalition Operations, **Pei-Sung Lin**, Edith Peters, Trenda McPherson
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ARTICLES

1. FDOT Pedestrian Project Named to AASHTO's Sweet 16 Most Valuable Research, FDOT Research Showcase, October 29, 2018.
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PROFESSIONAL PRESENTATIONS

2025

1. **Pei-Sung Lin**, "Florida LTAP Center - 2025 Center Update", 2025 NLTAPA Southeast Region Meeting, Kitty Hawk, NC, March 31 – April 3, 2025.
2. **Pei-Sung Lin**, "Findings on the Implementation of Speed Safety Camera Enforcement", Quarterly Statewide Meeting of District Safety Administrators and Engineers, Online Presentation, March 11, 2025
3. Emmeth Duran, Zhenyu Wang, **Pei-Sung Lin**. "Lane Departure Crashes: Data for Prevention", Podium Presentation, ATSSA' Convention & Traffic Expo 2025, Orlando, FL, February 28 – March 4, 2025.
4. **Pei-Sung Lin**. "Enhancing Florida's Roadway Safety: Florida LTAP Training on Reducing Roadway Departures", FoRRRwD Peer Exchange for Tribal and Local Agencies, Sponsored by FHWA, Tampa, FL, February 4-5, 2025,
5. **Pei-Sung Lin**, "A Comprehensive Roadmap for Traffic Congestion Reduction", Webcast, National Institute of Congestion Reduction (NICR), January 22, 2025
6. Zhengyu Wang, Huiqing Lyu, **Pei-Sung Lin**, Qing Lu, Emmeth Duran, Peter Hsu, "How Does Pavement Friction Impact Motorcycle Crashes?: A Florida Analysis", Lectern Session 4087, Texture Evaluation and Friction Response: The Rub on Safety, The 103rd Transportation Research Board Annual Meeting, Washington DC, January 5-9, 2025.
7. Rama Kolla, Alvaro Lazaro Aguilar, Zhengyu Wang, **Pei-Sung Lin**, Redwan M. Alqasemi, Emmeth Duran, Peter Hsu, "Implementation of Virtual Reality Technologies in Immersive Training for Work Zone Workers", Poster Session 3145, Technologies, Strategies, and Tools to Improve Work Zone Safety, The 103rd Transportation Research Board Annual Meeting, Washington DC, January 5-9, 2025.
8. **Pei-Sung Lin**, Presiding Officer, Lectern Session 3010, Workforce Recruitment Solutions, The 103rd Transportation Research Board Annual Meeting, Washington DC, January 5-9, 2025.
9. Tia Boyd, Cong Chen, **Pei-Sung Li**n, Elzbieta Bialkowska-Jelinska, Kristine Williams, Gina Bonyani, "Using Case Studies to Enhance Driveway Safety Analysis", Poster Session 3037, Access Management

Best Practices, The 103rd Transportation Research Board Annual Meeting, Washington DC, January 5-9, 2025.

10. Shubhankar Shindgikar, Achilleas Kourtellis, **Pei-Sung Lin**, Yaye Keita, "Effects of Rubbernecking and Potential Countermeasures on Traffic Congestion", Poster Session 2234, Traffic Flow Modeling, Monitoring, and Control, The 103rd Transportation Research Board Annual Meeting, Washington DC, January 5-9, 2025.
11. **Pei-Sung Lin**, Yaye Keita, Zhengyu Wang, "Strategies for Reducing Severe Vehicle Crashes: The Effects of Speed Management via Traffic Signal Progression", Poster Session 2299, Traffic Signal Control: Toward Safer and More Efficient Operations for Multimodal Users, The 103rd Transportation Research Board Annual Meeting, Washington DC, January 5-9, 2025.
12. Huiqing Lyu, Zhengyu Wang, **Pei-Sung Lin**, Qing Lu, Emmeth Duran, Guangming Wang, "Modeling the Safety Impacts of Pavement Characteristics Using Continuous Pavement Friction Measurement Data to Support Pavement and Safety Management in Florida", Poster Session 2245, Pavement Surface Properties: Tire and Pavement Noise, Friction, Rolling Resistance, and Ride, The 103rd Transportation Research Board Annual Meeting, Washington DC, January 5-9, 2025.

2024

13. **Pei-Sung Lin**, "Prioritizing Vulnerable Road User Safety While Maintaining Traffic Flow – Speed Management via Traffic Signal Progression", FMRI & WTS Seminar, Florida Atlantic University, November 6. 2024.
14. **Pei-Sung Lin**, "Pre-Preemption Strategies for Enhancing Grade Crossing Safety", Podium Presentation, the 2nd Annual Transportation Technology Center Conference & Tour, Pueblo, CO, October 22-23, 2024,
15. **Pei-Sung Lin**, "Infrastructure Enablers for Reliable Cooperative Driving Automation (CDA) Phase I: Existing Infrastructure Evaluation", Podium Presentation, Technical Section: Florida Universities ACES Research, 2024 Florida Automated Vehicles (FAV) Summit, Tampa, FL, September 4-6, 2024.
16. Zhenyu Wang, **Pei-Sung Lin**, "Using AI Technology to Enhance Before-After Study for Pedestrian Safety", Podium Presentation, Transpo 2024, Orlando, FL, August 25-28, 2024.
17. **Pei-Sung Lin**, "Evaluation of Automated Pedestrian Detection Technology for Improving Pedestrian Safety", Podium Presentation, 2024 ITE Annual Meeting and Exhibit, Philadelphia, PA, July 21-24, 2024.
18. **Pei-Sung Lin**, Zhenyu Wang, "The Practice of Continuous Pavement Friction Measurement in FDOT District 7", Podium Presentation, 2nd International Conference & Peer Exchange on Roadside Safety, Orlando, FL, June 23-26, 2024.
19. **Pei-Sung Lin**, "Assessing Safety Effect of Sinusoidal Rumble Strips for Roadway Departure Crash Prevention", Podium Presentation, 2nd International Conference & Peer Exchange on Roadside Safety, Orlando, FL, June 23-26, 2024.
20. Zhenyu Wang, **Pei-Sung Lin**, "Using Continuous Pavement Friction Measurement (CPFM) to Support Safety and Pavement Management for Lane-Departure Crash Prevention: A Case Study in FDOT District Seven", Podium Presentation, 2nd International Conference & Peer Exchange on Roadside Safety, Orlando, FL, June 23-26, 2024.
21. Zhenyu Wang, **Pei-Sung Lin**, "A Low-Cost Countermeasure to Prevent Motorcycle Lane-Departure Crashes on Rural Horizontal Curves", Podium Presentation, 2nd International Conference & Peer Exchange on Roadside Safety, Orlando, FL, June 23-26, 2024.
22. **Pei-Sung Lin**, Yaye Keita, Cong Chen, Elzbieta Bialkowska-Jelinska, Rakesh Rangaswamy, Edith Wong, "Arterial TSM&O Strategies based on Florida State and Local Agency Survey", Poster Presentation, International Conference on Transportation & Development, American Association of Civil Engineers (ASCE), Atlanta, GA, June 15-18, 2024.
23. **Pei-Sung Lin**, Yaye Keita, Shubhankar Shindgikar, Emmeth Duran, Ela Białkowska-Jelińska, Rakesh Rangaswamy, "Effects of Law Enforcement Presence, Frequency, and Duration on Speeding", Poster Presentation, International Conference on Transportation & Development, American Association of Civil Engineers (ASCE), Atlanta, GA, June 15-18, 2024.

24. **Pei-Sung Lin**, Achilleas Kourtellis, Zhenyu Wang, "Extended Runtime at Signalized Intersection Using Backup Power After the Loss of Utility Power", Poster Presentation, International Conference on Transportation & Development, American Association of Civil Engineers (ASCE), Atlanta, GA, June 15-18, 2024.
25. **Pei-Sung Lin**, Cong Chen, Yaye Keita, Shubhankar Shindgikar Ela Białkowska-Jelińska, "Evaluation of Sinusoidal Rumble Strips on Noise Mitigation and Bicycle Accommodation", Poster Presentation, International Conference on Transportation & Development, American Association of Civil Engineers (ASCE), Atlanta, GA, June 15-18, 2024.
26. Zhenyu Wang, **Pei-Sung Lin**, Qing Lu, Huiqing Lyu, "Pavement Project Prioritization using Continuous Pavement Friction Measurement Data", Poster Presentation, International Conference on Transportation & Development, American Association of Civil Engineers (ASCE), Atlanta, GA, June 15-18, 2024.
27. Zhenyu Wang, **Pei-Sung Lin**, Yaye Keia, "Safety Benefits of Parcel delivery Modes using Geographically Weighted Negative Binominal Regression", Poster Presentation, International Conference on Transportation & Development, American Association of Civil Engineers (ASCE), Atlanta, GA, June 15-18, 2024.
28. Zhenyu Wang, Keyu Chen, **Pei-Sung Lin**, "Applying Automatic Detection of Vehicle Yielding to Pedestrian Behaviors in Pedestrian Safety Evaluation", Poster Presentation, International Conference on Transportation & Development, American Association of Civil Engineers (ASCE), Atlanta, GA, June 15-18, 2024.
29. Zhenyu Wang, **Pei-Sung Lin**, Shubhankar Chintamani Shindgikar, Huiqing Lyu, Rakesh Rangaswamy "Applying Tight Corner Radius to Improve Pedestrian Safety at Signalized Intersections", Podium Presentation, International Conference on Transportation & Development, American Association of Civil Engineers (ASCE), Atlanta, GA, June 15-18, 2024.
30. Cong Chen, **Pei-Sung Lin**, "Supporting Transportation Workforce Development Through effective Training Need Assessment", Poster Presentation, International Conference on Transportation & Development, American Association of Civil Engineers (ASCE), Atlanta, GA, June 15-18, 2024.
31. Tia Boyd, Cong Chen, **Pei-Sung Lin**, Ela Białkowska-Jelińska, "Understanding How We Can Make Commercial Driveways Safer: Exploratory Analysis Through Case Studies", Poster Presentation, International Conference on Transportation & Development, American Association of Civil Engineers (ASCE), Atlanta, GA, June 15-18, 2024.
32. Cong Chen, Elzbieta Bialkowska-Jelinska, Kristine Williams, **Pei-Sung Lin**, Shubhankar Chintamani Shindgikar, Tia Boyd, Gina Bonyani, "Assessment of Pedestrian and Bicycle Safety at Commercial Driveways along Major Corridors", Podium Presentation, International Conference on Transportation & Development, American Association of Civil Engineers (ASCE), Atlanta, GA, June 15-18, 2024.
33. **Pei-Sung Lin**, Harnessing AI for Safety Applications, FDOT Transportation Technology Research Symposium, SunTrax Test Facility in Lakeland, Florida, May 2-3, 2024.
34. **Pei-Sung Lin**, Cong Chen, Florida LTAP Center, Center Update, 2024 NLTAPA Southeast Region Meeting, Chattanooga, Tennessee, April 8-11, 2024.
35. **Pei-Sung Lin**, "Strategies for Transportation System Management and Operational Enhancement of Arterial Roadways", FIU ITE and WTS Student Chapter Seminar, College of Engineering, Florida International University, March 22, 2024.
36. Cong Chen, Kristine Williams, **Pei-Sung Lin**, Shubhankar Shindgikar, Elzbieta Bialkowska-Jelinska, Tia Boyd, "Pedestrian and Bicycle Safety Assessment at Commercial Driveways along Major Corridors", Poster Session 4070, Safety Impacts on Road Users Including Pedestrians, Bicyclists, and Others, 103rd Transportation Research Board Annual Meeting, Washington DC, January 7-11, 2024.
37. **Pei-Sung Lin**, "Implementation Response" to Workforce Forecasting for State Transportation Agencies: A Machine Larning Approach, Lectern Session 3188 Implementation of Workforce Development Papers, 103rd Transportation Research Board Annual Meeting, Washington DC, January 7-11, 2024.
38. Zhenyu Wang, Huiqing Lyu, **Pei-Sung Lin**, Qing Lu, Ping Hsu, Emmeth Duran, "Exploring the Impact of Pavement Friction on Crash Injury Severity Using Continuous Pavement Friction Measurement

(CPFM) Data", Lectern Session 3197, Pavement Surface Characteristics, 103rd Transportation Research Board Annual Meeting, Washington DC, January 7-11, 2024.

39. Cong Chen, Elzbieta Bialkowska-Jelinska, Kristine Williams, **Pei-Sung Lin**, Tia Boyd, "Safety Assessment of Commercial Driveways along Major Corridors in Florida", Poster Session 3043, Access Management, 103rd Transportation Research Board Annual Meeting, Washington DC, January 7-11, 2024.
40. **Pei-Sung Lin**, Achilleas Kourtellis, Mohsen Momenitabar, "Applying Automated Pedestrian Detection Technologies to Improve Pedestrian Safety", Poster Session 2232, Traffic Signal Systems, 103rd Transportation Research Board Annual Meeting, Washington DC, January 7-11, 2024.
41. Mostafa Soltaninejad, Jimoku Salum, Abdallah Kinero, Priyanka Alluri, **Pei-Sung Lin**, Zhenyu Wang, "Modeling Highway-Rail Grade Crossing (HRGC) Crash Severity", Lectern Session 2205, Highway-Rail Grade crossing Crash Prediction, Behavior Factors, and Mobility Frequencies, 103rd Transportation Research Board Annual Meeting, Washington DC, January 7-11, 2024
42. Huiqing Lyu, Zhenyu Wang, **Pei-Sung Lin**, Qing Lu, Ping Hsu, Emmeth Duran, "Implementing High Friction Surface Treatment (HFST) to Improve Intersection Safety", Poster Session 2096, Safety Performance and Analysis, 103rd Transportation Research Board Annual Meeting, Washington DC, January 7-11, 2024.
43. Shubhankar Shindgikar, Cong Chen, **Pei-Sung Lin**, Yaye Keita, Elzbieta Bialkowska-Jelinska, "Evaluating the Safety Effectiveness of Sinusoidal Rumble Strips on Lane Departure Crashes Prevention", Poster Session 2096, Safety Performance and Analysis, 103rd Transportation Research Board Annual Meeting, Washington DC, January 7-11, 2024.

2023

44. **Pei-Sung Lin**, Achilleas Kourtellis, "Evaluation of Automated Pedestrian Detection Technologies to Improve Pedestrian Safety", FLPRITE Annual Meeting, St. Peterburg, Florida, October 22-24, 2023.
45. **Pei-Sung Lin**, "Strategies for Transportation System Management and Operational Enhancement of Arterial Roadways", Statewide Arterial Management Program (STAMP) Working Group Meeting", Virtual Presentation, October 17, 2023.
46. **Pei-Sung Lin**, "Improve Vulnerable Road User Safety and Maintain Vehicle Mobility via Speed Management of Traffic Signal Progression", Podium Presentation, 2023 ITE Annual Meeting and Exhibit, Portland, OR, August 13-16, 2023.
47. **Pei-Sung Lin**, "Workforce Development Panel Discussion", Panel Member, I3 Florida's Transportation Showcase, Orlando, FL, July 31-August 3, 2023.
48. **Pei-Sung Lin**, "Use of Traffic Signal Progression for Speed Management to Improve Pedestrian and Bicycle Safety", Podium Presentation, I3 Florida's Transportation Showcase, Orlando, FL, July 31-August 3, 2023.
49. **Pei-Sung Lin**, Zhenyu Wang, "Evaluation of Driver Compliance with Displayed Variable Speed Limits in an I-75 Smart Work Zone Deployment", Podium Presentation, I3 Florida's Transportation Showcase, Orlando, FL, July 31-August 3, 2023.
50. Zhenyu Wang, **Pei-Sung Lin**, "Automated Roadway Lighting Measurement and Diagnostic Tools for Nighttime Traffic Safety Management, I3 Florida's Transportation Showcase, Orlando, FL, July 31-August 3, 2023.
51. Zhenyu Wang, **Pei-Sung Lin**, "Application of Dynamic Crash Prediction Methodologies to FDOT Safety and Transportation System Management & Operation (TSM&O) Programs", Podium Presentation, I3 Florida's Transportation Showcase, Orlando, FL, July 31-August 3, 2023.
52. **Pei-Sung Lin**, Yaye Keita, Zhenyu Wang, "Speed Management via Traffic Signal Progression to Improve Pedestrian and Bicycle Safety on Urban Arterials", Podium Presentation, International Conference on Transportation & Development, American Association of Civil Engineers (ASCE), Austin, TX, June 14-17, 2023.
53. **Pei-Sung Lin**, Zhenyu Wang, Rakesh Rangaswamy, Rama Kolla, "Innovative Approaches to Significantly Improve Arterial Work Zone Safety", Podium Presentation, International Conference on

Transportation & Development, American Association of Civil Engineers (ASCE), Austin, TX, June 14-17, 2023.

54. **Pei-Sung Lin**, Achilleas Kourtellis, "FTA Standards Development Program: Mitigations for Trespasser and Suicide Fatalities and Injuries", Poster Presentation, International Conference on Transportation & Development, American Association of Civil Engineers (ASCE), Austin, TX, June 14-17, 2023.
55. Zhenyu Wang, **Pei-Sung Lin**, Huiqing Lyu, "Evaluation of High Friction Surface Treatment on Vehicle Stopping Behaviors at Signalized Intersections", Poster Presentation, International Conference on Transportation & Development, American Association of Civil Engineers (ASCE), Austin, TX, June 14-17, 2023.
56. **Pei-Sung Lin**, Penal Member, "The Myth of Pedestrian Hell in Taiwan", Pedestrian Safety, The 14th Asia Pacific Transportation Development Conference and the 35th ICTPA Annual Conference, Post-Pandemic Transportation Challengers, Taichung, Taiwan, R.O.C, May 27-29, 2023.
57. **Pei-Sung Lin**, Zhenyu Wang, Peter Hsu, "Nighttime Pedestrian Crossing Behavior Study to Identify Risk Factors and Develop Solutions", The 14th Asia Pacific Transportation Development Conference and the 35th ICTPA Annual Conference, Post-Pandemic Transportation Challengers, Taichung, Taiwan, R.O.C, May 27-29, 2023.
58. **Pei-Sung Lin**, Zhenyu Wang, Peter Hsu, "Evaluation of the Safety Effectiveness of High Friction Surface Treatment (HFST) at Signalized Intersections using Stopping Behavioral Data", The 14th Asia Pacific Transportation Development Conference and the 35th ICTPA Annual Conference, Post-Pandemic Transportation Challengers, Taichung, Taiwan, R.O.C, May 27-29, 2023.
59. **Pei-Sung Lin**, Zhenyu Wang, Peter Hsu, Guangming Wang, "Evaluation of the Safety Effectiveness of High Friction Surface Treatment (HFST) at Signalized Intersections using Stopping Behavioral Data", The 14th Asia Pacific Transportation Development Conference and the 35th ICTPA Annual Conference, Post-Pandemic Transportation Challengers, Taichung, Taiwan, R.O.C, May 27-29, 2023.
60. **Pei-Sung Lin**, Tia Boyd, "Crashes Related to Type and Location of Driveway Access", Systems Management Statewide Coordinators Meeting 2023 (AM, LR, QLOS), Turnpike Headquarters Auditorium, May 10, 2023.
61. Kristine Williams, Cong Chen, **Pei-Sung Lin**, Tia Boyd. "Crashes Related to Type and Location of Driveway Access", Statewide Access Management and Transportation Site Impact Webinar Series 2022-2023, GoToWebinar, February 14, 2023.
62. **Pei-Sung Lin**, Yaye Keita, Zhenyu Wang, Runan Yang, "Using Traffic Signal Progression Strategies for Speed Management and Decreasing Pedestrian and Bicycle Fatalities and Injuries", Lectern Session 2219, Hot Topics in Transportation Safety Management System: A Lectern-Poster Session, 102nd Transportation Research Board Annual Meeting, Washington DC, January 8-12, 2023.
63. **Pei-Sung Lin**, Yaye Keita, Zhenyu Wang, Runan Yang, "Reduction of Pedestrian and Bicycle Crashes Through the Speed Management of Traffic Signal Progression", Poster Session 3039, Emerging Technologies for Traffic Signals, 102nd Transportation Research Board Annual Meeting, Washington DC, January 8-12, 2023.
64. **Pei-Sung Lin**, "Region 2: Pilot Implementation for Preventing Incorrect Turns at Highway-Rail Grade Crossings (Florida DOT)", Poster Session 3152, State DOT Research: High-Value Project Supplemental Winners, 102nd Transportation Research Board Annual Meeting, Washington DC, January 8-12, 2023.

2022

65. **Pei-Sung Lin**, "Advanced Technologies", 2nd National Wrong-way Driving Summit, Keck Center, Washington D.C., August 4-5, 2022
66. **Pei-Sung Lin**, "Enforcement and Education Strategies", 2nd National Wrong-way Driving Summit, Keck Center, Washington D.C., August 4-5, 2022
67. **Pei-Sung Lin**, Facilitation of four Breakout Sessions, 2nd National Wrong-way Driving Summit, Keck Center, Washington D.C., August 4-5, 2022
68. **Pei-Sung Lin**, Innovative Speed Management to Effectively Improve Arterial Work Zone Safety", Poster Presentation, 2022 ITE Annual Meeting and Exhibit, New Orleans, LA, July 31-August 3, 2022.
69. **Pei-Sung Lin**, "How to Start to Use a Drone to Support LTAP Training", National LTAP/TTAP Annual Conference, Seattle, Washington, July 18-21, 2022.

70. **Pei-Sung Lin**, "Building Trust and Creditability", National LTAP/TTAP Annual Conference, Seattle, Washington, July 18-21, 2022.
71. **Pei-Sung Lin**, "Story of Florida LTAPs Journey and Acquiring Alternative Funding", National LTAP/TTAP Annual Conference, Seattle, Washington, July 18-21, 2022.
72. Cong Chen, **Pei-Sung Lin**, "Implementing FHWA's Focused Approach to Pedestrian and Bicycle Safety: A Safety Workforce Development Virtual Symposium in Florida under COVID-19", Poster Presentation Session, ASCE International Conference on Transportation & Development, and International Conference on Automated People Movers and Automated Transit System, Seattle, Washington, May 31- June 3, 2022.
73. Cong Chen, Elzbieta Bialkowska-Jelinska, **Pei-Sung Lin**, "Geo-spatiotemporal and Causation Analysis of Driver Injury Severities in Rain-related Crashes", Poster Presentation Session, ASCE International Conference on Transportation & Development, and International Conference on Automated People Movers and Automated Transit System, Seattle, Washington, May 31- June 3, 2022.
74. Cong Chen, **Pei-Sung Lin**, "Implementing FHWA's Focused Approach to Pedestrian and Bicycle Safety: A Safety Workforce Development Virtual Symposium in Florida under COVID-19", Promoting Active Travel Through Improved Safety for Vulnerable Users, ASCE International Conference on Transportation & Development, and International Conference on Automated People Movers and Automated Transit System, Seattle, Washington, May 31- June 3, 2022.
75. **Pei-Sung Lin**, "Florida LTAP Center, Center Update", virtual presentation, National LTAP & TTAP Association Southeast Regional Virtual Meeting, May 17, 2022
76. **Pei-Sung Lin**, Zhenyu Wang, "Evaluation of Dynamic Envelope Pavement Marking to Improve Motorist Stopping Behaviors at Highway-Rail Crossings" CUTR Advisory Board Meeting, Tampa, Florida, May 10, 2022
77. **Pei-Sung Lin**, Moderator, Session 4B: Automated, Connected, Electric, and Shared Vehicles (ACES) Workshop, The 7th Annual UTC Conference for the Southeastern Region, Boca Raton, Florida, March 24-25
78. **Pei-Sung Lin**, Raj Ponnaluri, "Vision and Introduction of the Florida ACES Program, and Efforts Undertaken towards the Florida ACES Transportation Roadmap Initiative", Session 4B: Automated, Connected, Electric, and Shared Vehicles (ACES) Workshop, The 7th Annual UTC Conference for the Southeastern Region, Boca Raton, Florida, March 24-25.
79. Abhijit Vasili. Zhenyu Wang, Rama Kolla, **Pei-Sung Lin**, "Evaluation of Dynamic Envelope Pavement Marking to Improve Motorist Stopping Behaviors at Highway-Rail Crossings", Poster Session 1341, Data-Driven Human Factors Analysis at Highway-Rail Grade Crossings, 101st Transportation Research Board Annual Meeting, Washington DC, January 9-13, 2022.
80. Qianwen Li, Zhenyu Wang, Rama Kolla, Mingchen Li, Runan Yang, **Pei-Sung Lin**, Xiaopeng (Shaw) Li, "Modeling Effects of Roadway Lighting Photometric Criteria on Nighttime Pedestrian Safety on Roadway Segments", Poster Session 13691, Current Perspectives on Human Factors of Infrastructure Design and Operations, 101st Transportation Research Board Annual Meeting, Washington DC, January 9-13, 2021.

2021

81. **Pei-Sung Lin**, "Mitigation of Railroad Trespasser Fatalities and Injuries"**,** The 13th Asia Pacific Transportation Development Conference and 33rd ICTPA Annual Meeting, Virtual Conference, November 17-18, 2021.
82. **Pei-Sung Lin**, "Florida LTAP Center - Center Update", Online presentation, National LTAP Association Southeast Regional Virtual Meeting, June 23, 2021
83. **Pei-Sung Lin**, Nikhil Menon, Jason Jackman, Austin Sipiora, "How to Contribute, Collaborate, and Benefit from the Florida ACES Database and Activity Viewer", Webinar, Sponsored by the Florida LTAP Center, March 29, 2021
84. **Pei-Sung Lin**, "Toward a Florida Automated, Connected, Electric, and Shared (ACES) Transportation System Roadmap", FDOT Research Showcase, March 1, 2021
85. **Pei-Sung Lin**, "Identify Sources and Risks on Cybersecurity to Connected Transportation Infrastructures", FDOT Research Showcase, March 1, 2021

86. **Pei-Sung Lin**, Nikhil Menon, "Toward a Florida Automated, Connected, Electric, and Shared (ACES) Transportation System Roadmap", CUTR Advisory Board Virtual Meeting, February 9, 2021
87. Raj Ponnaluri, **Pei-Sung Lin**, Nikhil Menon, "Introduction to the Florida Automated, Connected, Electric, and Shared (ACES) Transportation Roadmap Initiative", Webinar, Sponsored by the Florida LTAP Center, January 29, 2021
88. Zhenyu Wang, Abhijit Vasili, Runan Yang, **Pei-Sung Lin**, "A Recursive Bivariate Probit Analysis of Injury Severity and Non-Truck Fault Actions in Large Truck-related Crashes on Florida Suburban Road", Poster Session 1249, 100th Transportation Research Board Annual Meeting, A Virtual Event, January 2021

2020

89. **Pei-Sung Lin,** "Preventing Left-turn Crashes Involving Pedestrians", Pedestrian & Bicycle Safety Best Practices Symposium – Combating Ped/Bike Crashes: Strategies/Countermeasures #2, Webinar, Sponsored by the Florida LTAP Center, November 16, 2020
90. **Pei-Sung Lin**, Achilleas Kourtellis and Lisa Staes, "Mitigation for Trespasser and Suicide Fatalities and Injuries", CUTR Advisory Board Virtual Meeting, November 9, 2020
91. **Pei-Sung Lin**, "Implementation of Adequate Street Lighting Level and Uniformity to Improve Pedestrian Safety at Night", Session on Designing for Safety to Prevent Bicyclist & Pedestrian Injuries, Lifesavers Conference 2020 Webinar Series, June 26, 2020.
92. Pei-Sung Lin, "Update on Florida LTAP and Smart Work Zone Safety Research Projects", CUTR Advisory Board Meeting, May 18, 2020
93. **Pei-Sung Lin**, "Campus Automated Shuttle Service Deployment Initiative", CUTR Webcast Online Series, Center for Urban Transportation Research, Tampa, FL, April 9, 2020.
94. **Pei-Sung Lin**, "FTA Standards Program Research: Mitigations for Trespasser and Suicide Fatalities and Injuries", Transit Advisory Committee for Safety (TRACS) Conference Meeting, Arlington, VA, February 25-26, 2020.
95. **Pei-Sung Lin**, "Mitigations for Trespasser and Suicide Fatalities and Injuries", CUTR Transit Standards Working Group Meeting, Houston, TX, February 19-20, 2020.
96. Nikhil Menon, **Pei-Sung Lin**, Rakesh Rangaswamy, Achilleas Kourtellis, Cong Chen, Robert Bertini, "A Statistical Analysis of Public Opinions from a Low-Speed Automated Shuttle Demonstration", Poster Session 1568, Bus Transit Research and Practices, Part 2, 99th Transportation Research Board Annual Meeting, Washington DC, January 12-16, 2020.
97. Mingchen Li, Zhenyu Wang, **Pei-Sung Lin**, Runan Yang, Abhijit Vasili, Edith Wong, "A Machine Learning–Based Diagnosis of Lighting Patterns Contributing to Nighttime Crash Severity on Roadway Corridors", Poster Session 1427, Approaches to Modeling Visibility and Safety Effects, 99th Transportation Research Board Annual Meeting, Washington DC, January 12-16, 2020.
98. Abhijit Vasili, Zhenyu Wang, **Pei-Sung Lin**, Rui Guo, Runan Yang, Edith Wong, "Evaluation of a Low-Cost Countermeasure to Prevent Incorrect Turns at Highway-Rail Grade Crossings", Poster Session 1424, Research on Highway-Rail Grade Crossing, 99th Transportation Research Board Annual Meeting, Washington DC, January 12-16, 2020.
99. Rui Guo, Zhiqiang Wu, Yu Zhang, **Pei-Sung Lin**, Zhenyu Wang, "Pedestrian Crashes, Demographics, and Land Uses: Insights from Integrated Geo-Location Data", Poster Session 1358, Focus on Pedestrian and Bicycle Safety, 99th Transportation Research Board Annual Meeting, Washington DC, January 12-16, 2020.
100. Rakesh Rangaswamy, Elzbieta Bialkowska-Jelinska, Cong Chen, **Pei-Sung Lin**, Athanasios Theofilatos, "Comparison of Non-Motorist Injury Severities in Rural and Urban Areas in Florida", Poster Session 1358, Focus on Pedestrian and Bicycle Safety, 99th Transportation Research Board Annual Meeting, Washington DC, January 12-16, 2020.

2019

101. **Pei-Sung Lin**, "Prioritized Safety Consideration by Work Zone Types and Pilot Implementation", 43rd Annual ACAF Conference, Orlando, Florida, December 10-11, 2019.

102. **Pei-Sung Lin**, "Campus Automated Shuttle Service Deployment Initiative", Tampa Bay Transportation Application Group Summer Meeting, FDOT District 7 Auditorium, Tampa, Florida, September 5, 2019
103. **Pei-Sung Lin**, Panel Member, Session - TSMO Workforce - Recruitment, Retention, and Career Development, 2019 Joint ITE International and Texas District Annual Meeting and Exhibit, Austin, Texas, July 21-24, 2019
104. **Pei-Sung Lin** and Nikhil Menon, "An Empirical Analysis of Consumers' Perceptions and Opinions from an Automated Shuttle Deployment in Low-speed environments, Automated Vehicles Symposium, Orlando, Florida, July 15-18, 2019
105. **Pei-Sung Lin** and Lisa Staes, New FTA Focus Area Research Priorities – Trespasser/Suicides, CUTR Transit Standards Working Group Meeting, Tampa, Florida, July 11, 2019
106. **Pei-Sung Lin**, "Assessment of Innovative Countermeasures to Reduce Wrong-Way Driving", Poster Session, FDOT 2019 Innovative Expo, Tallahassee, Florida, June 27, 2019
107. **Pei-Sung Lin** and Nikhil Menon, "An Empirical Assessment of a Week-long Automated Shuttle Demonstration in a Low-Speed Environment", Session - Connected and Automated Vehicles for A Better Tomorrow, Florida I3 Transportation Showcase, Summer meeting, Orlando, Florida, June 23-26, 2019
108. **Pei-Sung Lin**, Panel Member, Session - TSM&O Workforce - Recruitment, Retention, and Career Development, Florida I3 Transportation Showcase, Summer meeting, Orlando, Florida, June 23-26, 2019
109. **Pei-Sung Lin**, "Combined Negative and Positive Truck Route Signage to Improve Roadway Safety", Session - Joint Technical Session Safety-Still Our #1 Priority, Florida I3 Transportation Showcase, Summer meeting, Orlando, Florida, June 23-26, 2019
110. **Pei-Sung Lin**, "Development of an Effective Truck Route Signage Program for the City of Tampa", CUTR Webcast Online Series, Center for Urban Transportation Research, Tampa, FL, June 6, 2019.
111. **Pei-Sung Lin**, Moderator, Section 2: Pedestrian/Bike Research and Traffic Safety, the 32nd Annual Conference of the International Chinese Transportation Professionals Association (ICTPA), San Jose, California, May 16-19, 2019.
112. **Pei-Sung Lin**, Deborah Schultz, Jason Jackman, "Improving Knowledge of Safe Pedestrian and Bicyclist Behaviors through Grassroots Education", the 32nd Annual Conference of the International Chinese Transportation Professionals Association (ICTPA), San Jose, California, May 16-19, 2019.
113. **Pei-Sung Lin**, Cong Chen, Seckin Ozkul, Raj Ponnaluri, "Testing and Evaluation of Freeway Wrong-way Driving Detection Systems", the 32nd Annual Conference of the International Chinese Transportation Professionals Association (ICTPA), San Jose, California, May 16-19, 2019.
114. **Pei-Sung Lin**, Xiaopeng Li, Robert Bertini, "CUTR's Research Showcase on Connected Vehicles and TSM&O", Research Showcase Connected Vehicle and TSM&O, hosted by FDOT Transportation Systems Management & Operations (TSM&O), Gainesville, Florida, April 11-12, 2019.
115. **Pei-Sung Lin**, "Development of Statewide Guidelines for Implementing Leading Pedestrian Intervals in Florida", CUTR Webcast Online Series, Center for Urban Transportation Research, Tampa, FL, March 14, 2019.
116. **Pei-Sung Lin**, "Application of Demographic Analysis to Pedestrian Safety", Hillsborough MPO Bicycle/Pedestrian Advisory Committee, Tampa, Florida, February 13, 2019.
117. **Pei-Sung Lin**, Achilleas Kourtellis, "Application of Demographic Analysis to Pedestrian Safety", Poster Session 1291 – AASHTO Sweet Sixteen High Value Research Projects, 98th Transportation Research Board Annual Meeting, Washington DC, January 13-17, 2019.
118. Zhenyu Wang, Mingchen Li, Runan Yang, **Pei-Sung Lin**, Chunfu Xin, Peter Hsu, Edith Wong, "A Matched Case-Control Safety Study of Street Lighting Uniformity Along Urban Roadway Segments", Lectern Session 1536 –Roadway Lighting, Visibility, and Safety, 98th Transportation Research Board Annual Meeting, Washington DC, January 13-17, 2019.
119. Rama Durga Tammayya Naidu Kolla, Rakesh Rangawsamy, Zhenyu Wang, Chanyoung Lee, **Pei-Sung Lin**, Abhijit Vasili, Edith Wong, "Evaluation of Dynamic Speed Feedback Sign to Improve Motorcycle Safety on Horizontal Curves Along Rural Roads", Poster Session 1500 –Recent Research on

Motorcycles and Mopeds, 98th Transportation Research Board Annual Meeting, Washington DC, January 13-17, 2019.

120. Runan Yang, Zhenyu Wang, Chanyoung Lee, **Pei-Sung Lin**, Rui Guo, Chunfu Xin, "A Mixed Logistic Study of Motorcyclists at Fault in Two-Vehicle Crashes on Horizontal Curves", Poster Session 1500 – Recent Research on Motorcycles and Mopeds, 98th Transportation Research Board Annual Meeting, Washington DC, January 13-17, 2019.

2018

121. **Pei-Sung Lin**, "CUTR's Research Showcase on Connected Vehicles and TSM&O", Research Showcase Connected Vehicle and TSM&O, hosted by FDOT Transportation Systems Management & Operations (TSM&O), Tallahassee, Florida, August 15-16, 2018.
122. **Pei-Sung Lin** and Seckin Ozkul, "Development of an Effective Truck Route Signage Program", Session 6 – Travel Behavior, Trip Generation and Route Signage, The 12th Asia Pacific Transportation Development Conference and 31st ICTPA Annual Meeting, Guangzhou, China, June 14-17, 2018.
123. **Pei-Sung Lin**, "Naturalistic Bicycling Behavior Pilot Study", Session 9 – Air Transportation Management and Bicycling Behavior Study, The 12th Asia Pacific Transportation Development Conference and 31st ICTPA Annual Meeting, Guangzhou, China, June 14-17, 2018.
124. **Pei-Sung Lin**, "Assessment of Leading Pedestrian Interval Suitability and Effectiveness – Before-after Pilot Study in Florida", Session 11 – Assessment of Level of Service and Safety of Transportation Systems, The 12th Asia Pacific Transportation Development Conference and 31st ICTPA Annual Meeting, Guangzhou, China, June 14-17, 2018.
125. **Pei-Sung Lin**, Session Chair, "Drivers and Passenger Flow Planning and Behavior Study", The 12th Asia Pacific Transportation Development Conference and 31st ICTPA Annual Meeting, Guangzhou, China, June 14-17, 2018.
126. **Pei-Sung Lin**, Panel Member, "New Round of Guangzhou Transportation Development Strategic Plan", The 12th Asia Pacific Transportation Development Conference and 31st ICTPA Annual Meeting, Guangzhou, China, June 14-17, 2018.
127. **Pei-Sung Lin**, Achilleas Kourtellis, Zhenyu Wang, Cong Chen, "Understanding Interactions Between Drivers and Pedestrian Features at Signalized Intersections Using NDS and RID and Databases", Lectern Session 706 - SHRP 2 Safety Data: Key Results from State DOT Research, 97th Transportation Research Board Annual Meeting, Washington DC, January 7-11, 2018.
128. Zhenyu Wang, Chunfu Xin, Chanyoung Lee, **Pei-Sung Lin**, Rui Guo, "A Matched Case-Control Study on Single-Motorcycle Crashes on Rural, Two-Lane, Undivided Horizontal Curves in Florida", Lectern Session 554 - Motorcycle and Moped Crash Studies, 97th Transportation Research Board Annual Meeting, Washington DC, January 7-11, 2018.
129. **Pei-Sung Lin**, Cong Chen, Achilleas Kourtellis, Zhenyu Wang, Rui Guo, Zhao Zhang, "Investigating Driver Compliance with Pedestrian Features at Signalized Intersections: SHRP 2 Naturalistic Driving Study Data Analysis", Lectern Session 552 - SHRP 2 Safety Data: Researchers' Perspectives and Some Analysis Results, 97th Transportation Research Board Annual Meeting, Washington DC, January 7-11, 2018.
130. Zhenyu Wang, Chunfu Xin, **Pei-Sung Lin**, Tao Chen, "Exploring the Impacts of Street Illuminance on Nighttime Crash Severity in Roadway Segments Using a Random Parameter Ordered Probit Model", Lectern Session 429 - Lighting, Visibility, and Safety, 97th Transportation Research Board Annual Meeting, Washington DC, January 7-11, 2018.
131. Haozhe Cong, Cong Chen, **Pei-Sung Lin**, Guohui Zhang, John Milton, Ye Zhi, "Traffic Incident Duration Prediction Based on a Dual-Learning Bayesian Network Model", Poster Session 385 - Artificial Intelligence and Machine Learning Tools for Estimation, Detection, and Prediction Applications in Transportation, 97th Transportation Research Board Annual Meeting, Washington DC, January 7-11, 2018.
132. **Pei-Sung Lin**, "How to Successfully Implement Leading Pedestrian Intervals", Session III: Innovative Transportation Operations, Workshop on Transportation Advancement – Connecting Industry, Government, and Academia, Sponsored by the International Chinese Transportation Professionals Association (ICTPA), Washington DC, January 7, 2018

133. **Pei-Sung Lin**, Session Chair, Session III: Innovative Transportation Operations, Workshop on Transportation Advancement – Connecting Industry, Government, and Academia, Sponsored by the International Chinese Transportation Professionals Association (ICTPA), Washington DC, January 7, 2018.

2017

134. **Pei-Sung Lin**, "Comparing Countermeasures for Mitigating Wrong-way Entries onto Limited Access Facilities" Wrong-way Driving Forum, Florida Department of Transportation, November 9, 2017
135. **Pei-Sung Lin**, "Application of Demographic Analysis to Pedestrian Safety", CUTR Webcast Online Series, Center for Urban Transportation Research, Tampa, FL, October 10, 2017
136. **Pei-Sung Lin**, "Put an Optimization Idea into Actions to Improve Freeway Patrol Operations", Poster Presentation, ITE 2017 Annual Meeting and Exhibit, Toronto, Canada, July 30 – August 2, 2017
137. **Pei-Sung Lin**, "Application of Demographic Analysis to Pedestrian Safety", Florida Section ITE Summer Meeting, Naples, FL, June 21-23, 2017
138. **Pei-Sung Lin**, Seckin Ozkul, Raj Ponnaluri, "Wrong-Way Driving Research Update", Florida Section ITE Summer Meeting, Naples, FL, June 21-23, 2017
139. **Pei-Sung Lin**, "Development of Countermeasures to Effectively Improve Pedestrian Safety in Low-income Areas", The 30th ICTPA Annual Conference, Houston, Texas, May 19-21, 2017
140. **Pei-Sung Lin**, "Optimization of Freeway Patrol Operations – A Comprehensive Case Study", The 30th ICTPA Annual Conference, Houston, Texas, May 19-21, 2017
141. **Pei-Sung Lin**, Session Chair, "Inter-model Transportation System Operation and Management", The 30th ICTPA Annual Conference, Houston, Texas, May 19-21, 2017
142. **Pei-Sung Lin**, Achilleas Kourtellis, Zhenyu Wang, Cong Chen, "Understanding Interactions between Drivers and Pedestrian Features at Signalized Intersections, Phase 2," SHRP2 IAP Safety Research Presentations on Phase2 Progress, Arlington, VA, May 2, 2017
143. **Pei-Sung Lin**, "Demographic Analysis to Pedestrian Safety", Florida Pedestrian and Bicycle Safety Coalition Meeting, Tampa, FL, April 26, 2017
144. **Pei-Sung Lin**, Zhenyu Wang, "Safety Effects of Street Illuminance on Urban Roadways," CUTR Webcast Online Series, Center for Urban Transportation Research, Tampa, FL, April 13, 2017
145. **Pei-Sung Lin**, "Comparing Countermeasures for Mitigating Wrong-way Entries onto Limited Access Facilities", Section II: Technologies to Improve Traffic Operations, Workshop on Transportation for Tomorrow – Connecting Industry, Government and Academia, Sponsored by the International Chinese Transportation Professionals Association (ICTPA), Washington D.C., January 8, 2017
146. **Pei-Sung Lin**, Session Chair, Session I: Advanced Transportation Management, Workshop on Transportation for Tomorrow – Connecting Industry, Government and Academia, Sponsored by the International Chinese Transportation Professionals Association (ICTPA), Washington D.C., January 8, 2017
147. Zhenyu Wang, **Pei-Sung Lin**, Peter Hsu, "Safety Effects of Street Illuminance on Roadway Segments in Florida", Session 658- Challenges for Driving and Visibility, 96th Transportation Research Board Annual Meeting, Washington DC, January 8-12, 2017.
148. Rui Guo, Chunfu Xin, **Pei-Sung Lin**, Achilleas Kourtellis, "Mixed-Effects Logistic Model to Address Demographics and Neighborhood Environment on Pedestrian Injury Severity", Poster Session 590 - Vulnerable Road Users: Analysis of Pedestrian and Bicycle Crashes, 96th Transportation Research Board Annual Meeting, Washington DC, January 8-12, 2017.

2016

149. **Pei-Sung Lin**, "Overview of the Naturalistic Bicycling Behavior Pilot Study", Joint Meeting of the Bicycle Pedestrian Advisory Committee (BPAC) and the Livable Roadway Committee (LRC), Tampa, FL, December 14, 2016.
150. **Pei-Sung Lin**, Rui Guo, Achilleas Kourtellis, "Spatial Analysis of Pedestrian Crashes in Low-income Areas", the 10th University Transportation Center Spotlight Conference, Pedestrian and Bicycle Safety, the Keck Center of the National Academies of Sciences, Washington D.C., December 1-2, 2016.

151. **Pei-Sung Lin**, Achilleas Kourtellis, Natalie Crock, "Does Knowledge Lead to Behavior Change? A Case Study in Florida", the 10th University Transportation Center Spotlight Conference, Pedestrian and Bicycle Safety, the Keck Center of the National Academies of Sciences, Washington D.C., December 1-2, 2016.
152. **Pei-Sung Lin**, Achilleas Kourtellis, Zhenyu Wang, and Rui Guo, "A Pilot Study of Interactions between Drivers and Pedestrian Features at Signalized Intersections", ITE 2016 Annual Meeting and Exhibit, Anaheim, California, August 14-17, 2016.
153. **Pei-Sung Lin**, "Impact of Connected Vehicles and Autonomous Vehicles on Future Transportation", the 11th Asia Pacific Transportation Development Conference and 29th ICTPA Annual Conference, Hsinchu, Taiwan, R.O.C, May 27-29, 2016.
154. **Pei-Sung Lin**, "A Pilot Study on Interactions between Drivers and Pedestrian Features at Signalized Intersections", the 11th Asia Pacific Transportation Development Conference and 29th ICTPA Annual Conference, Hsinchu, Taiwan, R.O.C, May 27-29, 2016.
155. **Pei-Sung Lin**, "Evaluation on Perceived Effectiveness of Red RRFB Configurations to Reduce Wrong-Way Driving", the 11th Asia Pacific Transportation Development Conference and 29th ICTPA Annual Conference, Hsinchu, Taiwan, R.O.C, May 27-29, 2016.
156. **Pei-Sung Lin**, "Pilot Study on Understanding Interactions between Drivers and Pedestrian Features at Signalized Intersections", ITE Transportation Research Seminar, University of South Florida, Tampa, FL, February 5, 2016
157. **Pei-Sung Lin**, Chair of Session 1: Transportation Sustainability, ICTPA Workshop on Transportation Advancement – Connecting Industry, Government, and Academia, Washington D.C., January 10, 2016
158. Achilleas Kourtellis and **Pei-Sung Lin**," Understanding Interactions between Drivers and Pedestrian Features at Signalized Intersections", Session 740 - Users of SHRP 2 Naturalistic Driving Safety Data: Research Topics, Preliminary Findings, Lessons Learned, P16-2388, 95th Transportation Research Board Annual Meeting, Washington DC, January 10-14, 2016.
159. Zhenyu Wang, Fulu Wei, **Pei-Sung Lin**, Seckin Ozkul, Jason Jackman, and Michael Bato, "Safety Effects of Street Illuminance at Urban Signalized Intersections in Florida", Session 699 - Road Illumination, Signage, and Visibility, 16-6376, 95th Transportation Research Board Annual Meeting, Washington DC, January 10-14, 2016.
160. Fulu Wei, Zhenyu Wang, Zhaowei Qu, Jian John Lu, **Pei-Sung Lin**," Study on Lane Changes During Left Turns on Quadruple Left-Turn Lanes at Signalized Intersections in China", Poster Session 387 – Operational Effects of Geometrics, 16-6687, 95th Transportation Research Board Annual Meeting, Washington DC, January 10-14, 2016.

2015

161. Seckin Ozkul, **Pei-Sung Lin** and Chester Chandler, "Evaluation on Impact of Red RRFB Implementation at Freeway Off-Ramps on Driving Behaviors Along Adjacent Arterials", Florida Section ITE 2015 Annual Meeting and Exhibit, Tampa, Florida, November 2-4, 2015
162. **Pei-Sung Lin**, Trenda McPherson, Jason Jackman, Yu Zhang and Lucas Cruse, "Best Practices on Promoting a Pedestrian- and Bicycle-Friendly Community on a University Campus: USF Bulls Walk and Bike Week", Opening Reception and Poster Session, The 2nd National Walking Summit, Washington D.C., October 28-30, 2015
163. **Pei-Sung Lin** and Seckin Ozkul, "Evaluation on Impact of Red RRFB Implementation at Freeway Off-Ramps on Driving Behaviors Along Adjacent Arterials", ITE 2015 Annual Meeting and Exhibit, Hollywood, Florida, August 3-5, 2015
164. **Pei-Sung Lin**, "Advanced Lighting Measurement System", Invited Speaker, Joint Meeting of Hillsborough County MPO Livable Committee and CTST, Tampa, FL June 24, 2015
165. **Pei-Sung Lin**, "Enhancement of Estimation of Internal Trip Capture Rates for Mixed-Use Developments," Transportation Planning and Modeling, The 3rd IACGE Internal Conference on Geotechnical and Earthquake Engineering and 28th ICTPA Annual Conference, Irvine, California, May 14-16, 2015

166. **Pei-Sung Lin**, "Understanding of Safety Impact and Potential Causes of Distracted Walking and Biking," Transportation System Safety, The 3rd IACGE Internal Conference on Geotechnical and Earthquake Engineering and 28th ICTPA Annual Conference, Irvine, California, May 14-16, 2015
167. **Pei-Sung Lin**, Welcome speech during the conference opening ceremony, The 3rd IACGE Internal Conference on Geotechnical and Earthquake Engineering and 28th ICTPA Annual Conference, Irvine, California, May 14-16, 2015
168. **Pei-Sung Lin**, Facilitator (session chair), "Plenary Session II," The 3rd IACGE Internal Conference on Geotechnical and Earthquake Engineering and 28th ICTPA Annual Conference, Irvine, California, May 14-16, 2015
169. **Pei-Sung Lin**, Facilitator (session chair), "Transportation Infrastructure Design," The 3rd IACGE Internal Conference on Geotechnical and Earthquake Engineering and 28th ICTPA Annual Conference, Irvine, California, May 14-16, 2015
170. **Pei-Sung Lin** and Achilleas Kourtellis, "Bringing the Bus into the 21st Century - Automated Avoidance Technologies", Bus Safety 2015, First Annual Seminar and Expo, Orlando, USA, April 22-23, 2015
171. **Pei-Sung Lin** and Achilleas Kourtellis, "Moving the Bus Back into Traffic Safely – Signage and Lighting Configurations", Bus Safety 2015, First Annual Seminar and Expo, Orlando, USA, April 22-23, 2015
172. Achilleas Kourtellis and **Pei-Sung Lin**, "Evaluation of Camera-Based Systems to Reduce Transit Bus Side Collisions", Bus Safety 2015, First Annual Seminar and Expo, Orlando, USA, April 22-23, 2015
173. **Pei-Sung Lin**, "Advanced Lighting Measurement System and Applications", Invited Speaker, Hillsborough County MPO ITS Committee Meeting, Tampa, FL April 9, 2015.
174. **Pei-Sung Lin** and Zhenyu Wang, "Application of Advanced Lighting Measurement System to Improve Roadway Safety", FDOT District 7 HSIP Information Workshop, Tampa, FL, March 24, 2015.
175. Hongyun Chen and **Pei-Sung Lin**, "Landscaping Design at Highway Medians and Roadway Safety at Unsignalized Intersections", Workshop Session 163 - To Tree or Not To Tree — Strategies for Answering a Roadside Question, 15-2389, 94th Transportation Research Board Annual Meeting, Washington DC, January 11-15, 2015.
176. Aldo Fabregas, **Pei-Sung Lin**, Vivek Koneru, Brian Stephen Bochner, Karen E. Seggerman, Abdul Rawoof Pinjari, "Verification of Trip Generation and Trip Internalization Estimation Procedures for Mixed-Use Developments", Poster Session 442 - Transportation Planning Applications: Tips and Tools, 15-4881, 94th Transportation Research Board Annual Meeting, Washington DC, January 11-15, 2015.
177. Achilleas Kourtellis, Lucas Cruise and **Pei-Sung Lin**, "Do As I Say Not As I Do: Observed Compliance vs. Stated Understanding of Pedestrian Crossing Laws", Session 284 – Pedestrian and Driver Behavioral Influences on Pedestrian Safety, 15-5777, 94th Transportation Research Board Annual Meeting, Washington DC, January 11-15, 2015.
178. Hongyun Chen, Aldo Fabregas, and **Pei-Sung Lin**, "Impacts of Landscaping Designs on Roadway Safety at Unsignalized Intersections", Poster Session 594 - Case Studies in Performance-Based Analysis of Geometric Design, 15-6577, 94th Transportation Research Board Annual Meeting, Washington DC, January 11-15, 2015.

2014

179. **Pei-Sung Lin**, "Internal Trip Capture for Mixed Developments," CUTR Webcast Online Series, Center for Urban Transportation Research, Tampa, FL, October 16, 2014.
180. **Pei-Sung Lin**, Julie Bond, Achilleas Kourtellis, Lucas Cruse, "Comprehensive Approaches to Improve Pedestrian and Bicycle Safety in Florida," USDOT Pedestrian and Bicycle Safety Workshop, USDOT Headquarter, Washington DC, September 29, 2014.
181. **Pei-Sung Lin**, "Highlights of ITS, Traffic Operations and Safety Program at CUTR," USF ITE Transportation Research Seminar, University of South Florida, Tampa, FL, September 19, 2014.
182. **Pei-Sung Lin**, "ITS, Traffic Operations and Safety Program," Staff Meeting, Center for Urban Transportation Research, University of South Florida, Tampa, FL, September 17, 2014.

183. **Pei-Sung Lin**, Achilleas Kourtellis, "Moving Toward Safer Travel – Initiatives to Understand and Improve Travel Safety," Theme: How Changing Technologies and Demographics Influence Transportation Safety, Tampa Bay Application Group, FDOT District 7 Auditorium, Tampa, FL, August 21, 2014.
184. **Pei-Sung Lin,** "Development of Mobile Lighting Level Measurement Devices to Improve Pedestrian and Bicycle Safety," New Technology Initiatives: Florida Pedestrians and Bicycle Studies**,** ITE Webinar, July 22, 2014.
185. **Pei-Sung Lin**, Karen Seggerman, Aldo Fabregas, "Trip Internalization in Multi-Use Developments, Florida Section ITE Summer Meeting, Clearwater, FL, June 25-27, 2014.
186. **Pei-Sung Lin**, Opening Ceremony Address, 10th Asia Pacific Transportation Development Conference & 27th ICTPA Annual Conference, Beijing, China, May 25-27, 2014.
187. **Pei-Sung Lin**, Zhenyu Wang, Rui Guo, Qing Wang, "Development of Coordinated Pre-preemption of Traffic Signals to Enhance Railroad At-Grade Crossing Safety and Mobility in Urban Areas," The 10th Asia Pacific Transportation Development Conference & 27th ICTPA Annual Conference, Beijing, China, May 25-27, 2014.
188. **Pei-Sung Lin**, Aldo Fabregas, Hongyun Chen. "Development of Resource Allocation Strategies for Operating and Maintaining Traffic Signal Systems," 10th Asia Pacific Transportation Development Conference & 27th ICTPA Annual Conference, Beijing, China, May 25-27, 2014.
189. **Pei-Sung Lin**, "Planning and Design for Prevention of Incorrect Turns onto Highway-Rail Grade Crossings," 10th Asia Pacific Transportation Development Conference & 27th ICTPA Annual Conference, Beijing, China, May 25-27, 2014.
190. **Pei-Sung Lin**, Zhenyu Wang, Peter Hsu, Mathew Johnson, Michael Bato, "Development of Mobile Lighting Level Measurement Devices to Improve Pedestrian and Bicycle Safety," ITE 2014 Technical Conference and Exhibit, Miami, FL, March 9-12, 2014.

2013

191. **Pei-Sung Lin**, Impact of Landscaping of Highway Medians at Intersections on Safety," CUTR Advisory Board Meeting, Tampa, Florida, November 6, 2013.
192. **Pei-Sung Lin**, "State Motorcycle Coalition Report," presented at the Statewide Community Traffic Safety Team Coalition Meeting, FDOT District 7 Auditorium, Tampa, Florida, October 21, 2013.
193. Chanyoung Lee, Kristin Larsson, Debbie Schultz, **Pei-Sung Lin**, Edie Peters, "Planning a Better Motorcycle Safety Outreach," presented at the 31st Lifesavers Conference, Denver, Colorado, April 14-16, 2013.
194. **Pei-Sung Lin**, "Analysis of Possible Landscaping-related Crashes at Highway Medians at Intersections," 26th ICTPA Annual Conference, Tampa, FL, May 24-26, 2013.
195. Hongyun Chen and **Pei-Sung Lin**, "Safety Analyst (SA) Review and Application on Highway Safety Study in Florida," 26th ICTPA Annual Conference, Tampa, FL, May 24-26, 2013.
196. Chanyoung Lee, Deborah Schultz, Kristin Larsson, **Pei-Sung Lin**, "The Use of Personal Protective Equipment (PPE) by Motorcyclists in Florida," Lifesavers National Conference on Highway Safety Priorities, April 2013, Denver.
197. Hongyun Chen, Aldo Fabregas, **Pei-Sung Lin**, "Highway Median Landscaping Design and Intersection Safety," Poster Session, 54th Annual Transportation Research Forum, Annapolis, Maryland March 21-23, 2013.
198. **Pei-Sung Lin**, Paul Olson, Facilitators, "Change Intervals Uniformity, Safety, Driver Expectations & Speed Camera Issues," Roundtable Discussions, ITE 2013 Technical Conference and Exhibit, San Diego, CA, March 3-6, 2013.
199. Yu Zhang, Makarand Gawade, **Pei-Sung Lin**, Trenda McPherson, "Educational Campaign for Improving Pedestrian Safety: A University Campus Study," 93rd Transportation Research Board Annual Meeting, Washington DC, January 13-17, 2013.

2012

200. **Pei-Sung Lin**, Aldo Fabregas, "Impact of Detection and Communication Degradations on Traffic Signal Performance," 117th Annual IMSA Conference & 35th Annual School, Orlando, July 28-31, 2012.
201. **Pei-Sung Lin,** "Exchange of Research Experience and Knowledge," Nanjing University of Science and Technology, Nanjing, China, July 6, 2012
202. **Pei-Sung Lin**, "Cost Benefit Analysis of Freeway Service Patrol Programs: A Case Study in Florida," 9th Asia Pacific Transportation Development Conference and 25th ICTPA Annual Conference, Chongqing, China, June 29-July 1, 2012
203. **Pei-Sung Lin**, Session Chair/Moderator, "Low Carbon Emissions and Energy Saving in Transportation," 9th Asia Pacific Transportation Development Conference and 25th ICTPA Annual Conference, Chongqing, China, June 29-July 1, 2012.
204. Chanyoung Lee, Joan Pino, **Pei-Sung Lin**, "Motorcyclists' Riding Experiences and Attitudes Toward Safety" presented at the 30th Lifesavers Conference, Orlando, June 14-16, 2012.
205. Chanyoung Lee, Achilleas Kourtellis, **Pei-Sung Lin**, "Lessons Learned - Motorcycle Crash Trend in Florida" presented at the 30th Lifesavers Conference, Orlando, June 14-16, 2012.
206. **Pei-Sung Lin**, "Florida Motorcycle Safety Coalition," CUTR Advisory Board Meeting, Tampa, June 6, 2012.
207. **Pei-Sung Lin,** Chanyoung Lee, "Florida Motorcycle Safety Coalition and Hillsborough County Motorcycle Crash Data Analysis," Hillsborough County CTST Meeting, Florida Highway Patrol Conference, Tampa, FL, May 23, 2012.
208. **Pei-Sung Lin**, Aldo Fabregas, "FDOT Trip Internalization Research – What Do We Know So Far," Florida Section ITE Winter Workshop, Orlando, February 15, 2012.
209. **Pei-Sung Lin**, "Using ITS Technologies to Support Incident Management Program Evaluation," 15th COTA/WCTA Annual Symposium – Towards Sustainable Transportation and Development: Policies, Technologies, and Implementations, Washington, DC, January 22, 2012.

2011

210. Chanyoung Lee, Presenter, **Pei-Sung Lin**, Moderator, "Vulnerable Road Users-Motorcycle Riders in Florida – 2011 Motorcycle Program Evaluation and Data Collection," CUTR Webcast Online Series, Center for Urban Transportation, Tampa, November 3, 2011.
211. **Pei-Sung Lin**, Moderator, "Session Overview," Special Program for Student Day, Exhibit Hall Theater, the 18th ITS World Congress, Orlando, October 20, 2011.
212. Achilleas Kourtellis, **Pei-Sung Lin**, "Evaluation of Pedestrian Safety Action Plan in Tampa Bay," CUTR Advisory Board Meeting, University of South Florida, Tampa, FL, October 26, 2011.
213. **Pei-Sung Lin**, "Florida Motorcycle Safety Coalition and Comprehensive Motorcycle Safety Program," Florida Motorcycle Safety Subgrants Site Monitoring Meeting, CUTR, University of South Florida, Tampa, September 20, 2011.
214. **Pei-Sung Lin**, Achilleas Kourtellis, "Motorcycle Crash Analysis at Hot Spot Locations in Florida's High Priority Counties," CUTR Webcast, Tampa, September 8, 2011.
215. Achilleas Kourtellis, **Pei-Sung Lin**, Makarand Gawade, Huaguo Zhou, "Evaluation of Pedestrian Safety Action Plan in Tampa Bay," Poster Session, ITE 2011 Annual Meeting and Exhibit, St. Louis, MO, August 13-16, 2011.
216. **Pei-Sung Lin**, Chanyoung Lee, Achilleas Kourtellis, Peter Hsu, "Evaluation of Rear-View Video Systems to Reduce Truck Backing Crashes," Poster Session, ITE 2011 Annual Meeting and Exhibit, St. Louis, MO, August 13-16, 2011.
217. **Pei-Sung Lin,** Aldo Fabregas, "Moving the Bus Safely Back Into Traffic," CUTR Webcast, Tampa, June 16, 2011.
218. **Pei-Sung Lin**, "Strategies to Maintain Sustainable Advanced Traffic Signal Systems," ICTPA 24th Annual Conference & NACGEA International Symposium on Geo-Trans, Los Angeles, CA, May 27-29, 2011.
219. **Pei-Sung Lin**, "Development of an Integrated MOT Training Program for Incident Responders to Improve Traffic Safety and Mobility," ICTPA 24th Annual Conference & NACGEA International Symposium on Geo-Trans, Los Angeles, CA, May 27-29, 2011.

220. **Pei-Sung Lin**, "Moving Buses Safely Back into Traffic Using LED Yield Signs," ICTPA 24th Annual Conference & NACGEA International Symposium on Geo-Trans, Los Angeles, CA, May 27-29, 2011.
221. **Pei-Sung Lin**, Session Co-Chair (Moderator), Session II-D: ITS and Congestion Relief, ICTPA 24th Annual Conference & NACGEA International Symposium on Geo-Trans, Los Angeles, CA, May 27-29, 2011.
222. **Pei-Sung Lin**, Achilleas Kourtellis, "Evaluation of Camera-Based Systems to Reduce Bus Side Collisions", CUTR Webcast, Tampa, May 19, 2011.
223. **Pei-Sung Lin,** Mark Welch, "Best Practices and Implementation in Communication to Improve Motorcycle Safety," US Domestic Scan 09-04: Best Practices in Successful Strategies for Motorcycle Safety, Orlando, March 14-16, 2011.
224. Trenda McPherson, **Pei-Sung Lin**, "Florida Motorcycle Safety Coalition," US Domestic Scan 09-04: Best Practices in Successful Strategies for Motorcycle Safety, Orlando, March 14-16, 2011.
225. **Pei-Sung Lin**, "Overview of Florida's Motorcycle Safety Coalition," Hillsborough County Community Traffic Safety Team Meeting, FHP Troop C Headquarter, Tampa, February 23, 2011.
226. **Pei-Sung Lin**, "Tampa Bay, In-Vehicle Driving Behavior Field Study," CUTR Advisory Board Meeting, University of South Florida, Tampa, February 9, 2011.
227. Achilleas Kourtellis, **Pei-Sung Lin,** Chanyoung Lee, "Evaluation of Camera-Based Systems to Reduce Bus Side Collisions," Truck and Bus Safety, 90th Annual Meeting, Transportation Research Board, Washington DC, January 26, 2011.
228. **Pei-Sung Lin**, "Insights into Florida High Speed Rail from Perspective of Taiwan HSR," Critical Role of Multimodal Transportation in Major Activity Center Circulation and Urban Development Workshop, Transportation Research Board, January 23, 2011.

2010

229. **Pei-Sung Lin** and Aldo Fabregas, "Flashing Yellow Arrow Study – Nebraska & Belcher," Pinellas County Community Traffic Safety Team Meeting, Suncoast Safety Council, Tampa, FL, September 2, 2010.
230. **Pei-Sung Lin**, "Impact of Detection and Communication Degradation on Traffic Signal Operations," ITE 2010 Annual Meeting and Exhibit, Vancouver, BC, Canada, August 8-11, 2010.
231. **Pei-Sung Lin**, "Overview of the SHRP 2 Project S07: In-Vehicle Driving Behavior Field Study, Tampa Bay, FL," Fifth SHRP 2 Safety Research Symposium, TRB, Washington DC, July 13, 2010.
232. **Pei-Sung Lin**, "Intelligent Traffic Signal Operations Committee," ITE 2010 Technical Conference and Exhibit, Savannah, GA, U.S.A. March 14 – March 17, 2010.

2009

233. **Pei-Sung Lin**, "Approaches that Support Enforcement of Red Light Running Laws," ITS Committee, Pinellas County MPO, Clearwater, FL, September 2, 2009.
234. **Pei-Sung Lin**, "Impact of Detection and Communication Degradation on Traffic Signal System Performance and Recommended Maintenance Strategies," 2009 FSITE Summer Meeting, Cocoa Beach, FL, June 24-26, 2009.
235. **Pei-Sung Lin**, "Impact of Detection and Communication Degradation for Traffic Signals along West Broward Boulevard," Broward County TSM&O Task Team Meeting #4, Ft. Lauderdale, FL, June 4, 2009.
236. Karen Seggerman, **Pei-Sung** Lin, Aldo Fabregas, "Concurrency Best Practices Guide," TB ITE Quarterly Meeting, Tampa, March 4, 2009.
237. **Pei-Sung Lin**, Aldo Fabregas, "Communications/Detection Degradation on ATMS Operations," Broward County TSM&O Task Team Meeting #2, Ft. Lauderdale, FL, March 13, 2009.
238. **Pei-Sung Lin**, "An Integrated MOT Training Program for Incident Responders," ITE 2009 Technical Conference and Exhibit, Phoenix, AZ, March 22 – 25, 2009.

2008

239. **Pei-Sung Lin**, "Assessment of Impact from Regional Special Events on a Small Town," Transpo2008 – Piecing It All Together, Orlando, September 22-25, 2008.
240. **Pei-Sung Lin**, "Development of MOT Training program for Incident Responders in Florida,"

Transpo2008 – Piecing It All Together, Orlando, FL, September 22-25, 2008.

241. **Pei-Sung Lin**, "Assessment Effectiveness of Camera-based Backing Crash Avoidance Systems for Motor Carriers," Transpo2008 – Piecing It All Together, Orlando, September 22-25, 2008.
242. **Pei-Sung Lin**, "Reducing Congestion on Facilities with Heavy Pedestrian and Parking Activities," Transpo2008 – Piecing It All Together, Orlando, September 22-25, 2008.
243. **Pei-Sung Lin**, "Managing Traffic Impacts from Special Events for Small Cities," ITE 2008 Annual Meeting and Exhibit, Anaheim, CA, August 17-20, 2008.
244. **Pei-Sung Lin**, "Safety Effects and Guideline Development for Uncontrolled Midblock Crosswalks," ITE 2008 Technical Conference and Exhibit, Miami, March 30-April 2, 2008.

2007

245. **Pei-Sung Lin**, "A Leading Interstate Route Diversion in Rural Areas," 2007 National Rural ITS Conference, Traverse City, MI, October 7-10, 2007.
246. **Pei-Sung Lin**, "A Study on the Relationship Between the Night Time Crash and Street Lighting Level," ITE 2007 Annual Meeting and Exhibit, Pittsburgh, August 5-8, 2007.
247. **Pei-Sung Lin**, "Traffic Sign Research Study for Miami-Dade County," Miami-Dade MPO Transportation Planning Council Meeting, Miami, June 11, 2007.
248. **Pei-Sung Lin**, "Development of Effective Strategies to Alleviate Traffic Congestion for the Barrier Islands," Longboat Key Town Commission Workshop Meeting, Longboat Key, FL, June 21, 2007.
249. **Pei-Sung Lin**, Presider of Session 19: Product Showcase, Pricing/Financing/Policy Track, ITE 2007 Technical Conference and Exhibit, San Diego, CA, March 25-28, 2007.

2006

250. **Pei-Sung Lin**, "Successful Experience from FDOT Districts for Reducing Queues at Freeway Off-Ramps," TRANSPO 2006 – Empowering Our Mobile Society, Palm Harbor, FL, November 27-30, 2006.
251. **Pei-Sung Lin**, "Advancement of Adaptive Rear-end Crash Avoidance Systems," TRANSPO 2006 – Empowering Our Mobile Society, Palm Harbor, FL, November 27-30, 2006.
252. **Pei-Sung Lin**, "Integration of Traffic Signal Systems across Multiple Jurisdictions," ITE 2006 Annual Meeting and Exhibit, Milwaukee, WI, August 6-9, 2006.
253. **Pei-Sung Lin,** Huaguo Zhou, Larry Hagen, "Incident Management Strategies to Alleviate Traffic Congestion in the United States," 6th Asia-Pacific Transportation Development Conference & 19th ICTPA Annual Meeting, Hong Kong and Macau, May 29-June 1, 2006.
254. **Pei-Sung Lin**, Huaguo Zhou, Larry Hagen, Philip L. Winters, "Effective Teleworking to Reduce Traffic Demand and Energy Consumption," 6th Asia-Pacific Transportation Development Conference & 19th ICTPA Annual Meeting, Hong Kong and Macau, May 29-June 1, 2006.

2005

255. **Pei-Sung Lin**, "Vision of Unmanned Aerial Vehicle (UAV) based Traffic Management for Incidents and Emergencies," Enabling Choices in Transportation, 12th World Congress on ITS, San Francisco, November 8, 2005.
256. **Pei-Sung Lin**, "Applications of Variable Speed Limit Systems to Improve Traffic Safety and Mobility," FDOT Annual ITS Working Group Meeting, Miami, March 16, 2005.
257. **Pei-Sung Lin**, "A Leading Practice to Handle Interstate Route Diversion," ITE 2005 Technical Conference and Exhibit, Las Vegas, February 28-March 2, 2005.

2004

258. **Pei-Sung Lin**, "Lessons Learned from Integrating Multi-jurisdictional Traffic Signal Systems," TRANSPO 2004 – Border Wars, Building Bridges to Overcome Barriers, Jacksonville, FL, December 5-8, 2004.
259. **Pei-Sung Lin**, "The Present and Future Traffic Signal Systems in Sarasota County," Guest Speaker, Sarasota County Leadership 2004 Quarterly Meeting, Sarasota, FL, August 7, 2004.
260. **Pei-Sung Lin**, "The Effects of Left-turn Lane Queue Lengths on Intersection Delay," ITE 2004 Annual Meeting and Exhibit, Lake Buena Vista, FL, August 1-4, 2004.
261. **Pei-Sung Lin**, "How I-75 Traffic Diversion Was Handled After a Tanker Truck Explosion in North

Port, Florida," FDOT Beginning-of-the-Year ITS Working Group Meeting, Clearwater, FL, March 10, 2004.

2003

262. **Pei-Sung Lin**, "Is an Alternative Route More Effective During a Freeway Incident?" ITE 2003 Annual Meeting and Exhibit, Seattle, WA, August 24-27, 2003.
263. **Pei-Sung Lin**, "Evaluation of Traffic Adaptive Signal Control for Sarasota County," Sarasota County Public Works, Sarasota, FL, April 21, 2003.
264. **Pei-Sung Lin**, "Walk Versus Don't Walk – Improving the Pedestrian Experience," ITE 2003 Technical Conference and Exhibit, Fort Lauderdale, FL, March 23-26, 2003.

2002

265. **Pei-Sung Lin**, "Signal Timing Strategies for Interstate Route Diversion," TRANSPO 2002, Orlando, December 9-11, 2002.
266. **Pei-Sung Lin**, "Signal Timing and Incident Management in Small Urban Areas," ITE 2002 Annual Meeting and Exhibit, Philadelphia, PA, August 4-7, 2002.

2001

267. **Pei-Sung Lin**, "Overview of Sarasota County Coordinated Traffic Signal System," Sarasota County Public Works, Sarasota, FL, September 18, 2001.
268. **Pei-Sung Lin**, "Simulation: A Practical Tool for Transportation Professionals," Florida ITE Spring Meeting, Altamonte Springs, FL, February 22, 2001.

1997

269. **Pei-Sung Lin**, "Application of ITS Technologies in Sarasota County," Sarasota County Department of Transportation, Sarasota, FL, December 1997.

MEDIA AND INTERNET CITATIONS

1. Interviewed by Hal Conick, Writer, Journalist, and story-teller on Speed Trends on Interstates, March 21, 2025.
2. Interviewed by Brittney Miller with Florida Trend, on Road safety in Florida, February 25, 2025.
3. Quoted, Market Highlight, Working Smarter, TMAPA AREA ALLIANCE BUILDING BRIGHTER FUTURE, Engineering Florida Summer 2024 by Engineering Florida - Issue, ENGINEERING Florida magazine. Summer 2024 Issue
4. Quoted and Interviewed, Florida lawmaker hopes proposed bill will help alleviate frustrations with drivers in the far left lane, Fox 13 News Tampa Bay, January 3, 2024
5. Quoted and Interviewed, New report suggests red light cameras discourage dangerous driving behaviors, ABC Action News WFTS, December 8, 2023
6. Quoted, Florida Department of Transportation Honored for Friction Treatment that Reduces Stopping Distance at Intersections, PR Newswire, Roadway Safety Foundation, November 29, 2023
7. Quoted, Florida is adopting Safe System Approach to improve safety, reduce traffic deaths and severe injuries, Montana Associated Technology Roundtables, October 28, 2023
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