

No.	Poster Title	Topic	Speaker 1	Speaker 1 Organization
1	Analysis of Factor Influence for Longitudinal Impulse of Heavy-haul Train with ECP Braking System	Changes in methods for freight movement and delivery	Lu Zhu	Institute of Railway and Urban Mass Transit, Tongji University
2	Data-driven pollution routing problem	Changes in methods for freight movement and delivery	RUI Qiu, PhD	Sichuan University
3	Numerical analysis of concrete block pavements and evaluating affecting parameters on vertical displacement	Changes in pavement design in response to changing technologies and vehicles	Afshin Famili, PHD	Clemson University
4	Transportation Art: From Aesthetic Values to Operational Functions	Changes in travel behavior	Tahrima Alam, S.M.ASCE	California State University, Fresno
5	Effect of Driver Distraction on Traffic Flow Stability Via Desired Safety Margin Model	Changes in travel behavior	Junjie Zhang	Beihang University
6	The influences of built environment factors on mode switching of TOD residents from car use to transit dependence: Case study of Bangkok, Thailand	Changes in travel behavior	Pornraht Pongprasert	Saitama university
7	Research on Behavior of Vehicles Leaving Expressway at Diverging Area	Changes in travel behavior	Ma Xiaolong	CCCC First Highway Consultants Co., Ltd
8	Analysis on the Lane-changing Behavior of Small Car Based on Real Vehicle Experiment on Expressway	Changes in travel behavior	Liu Jianbei	CCCC First Highway Consultants Co., Ltd
9	Built Environment and Health: Exploring a Causal Relationship at the National Level	Changes in travel behavior	Arefeh A. Nasri, PhD	National Transportation Center, University of Maryland, College Park
10	Traveler behavior analysis based on Car2Go sharing operation data	Changes in travel behavior	Weibin Zhang, PhD	Nanjing University of Science and Technology
11	Activity-Based Travel Demand Modeling: Progress and Possibilities	Changes in travel behavior	Mohammad Hesam Hafezi	Dalhousie University
12	Analyzing Implementation of Greenhouse Gas Emissions Reduction Tools and Systems on Businesses and Employees	Changes in travel behavior	Shahryar Monghasem, PhD student	University of Colorado Denver
13	How Does On-Demand Ridesourcing Affect Vehicle Ownership, Use, and Emissions?	Changes in travel behavior	Jacob Ward	Carnegie Mellon University
14	MODELING MERGING BEHAVIOR JOINING A COOPERATIVE ADAPTIVE CRUISE CONTROL PLATOON	Changes in travel behavior	Jia Hu, PhD	Tongji University
15	A Data-Driven Method for Exploring the Combined use of BikeShare and Light Rail	Changes in travel behavior	Cole Kopca, MUP	University of Washington
16	Effectiveness Assessment of Transportation Cost Estimation and Cost Management Workforce Training and Education Needs	Changes in work force (design, construction, operations, maintenance, consultant, Federal, State, and local)	Sharareh Kermanshachi, PhD, PE, LEED AP, PMP	University of Texas at Arlington
17	Predictive Modeling of U.S. Transportation Workforce Diversity Trends: A Study of Human Capital Recruitment and Retention in Complex Environments	Changes in work force (design, construction, operations, maintenance, consultant, Federal, State, and local)	Sharareh Kermanshachi, PhD, PE, LEED AP, PMP	University of Texas at Arlington
18	Comparative Analysis in The Financial Ratios of Construction and Transportation: Women And The Employee Population in the UK, the US, and Korea	Changes in work force (design, construction, operations, maintenance, consultant, Federal, State, and local)	Haekyung Im, FLORIDA	University of Florida
19	Design Factors Influencing Longitudinal Cracking Progression in Doweled Jointed Plain Concrete Pavements	Changing standards for transportation and development design	Robert Schmitt, PhD	University of Wisconsin, Platteville
20	Causes and Methods to Control PCC Longitudinal Cracking from State Surveys	Changing standards for transportation and development design	Robert Schmitt, PhD	University of Wisconsin, Platteville
21	Stormwater Design Return Period Standards for U.S. Transportation Infrastructure: Spatial and Temporal Characterization of Climate Risk	Changing standards for transportation and development design	Tania Lopez, MS	Carnegie Mellon University
22	A life cycle assessment framework for complete streets	Complete Streets	John Harvey, PhD, PE	University of California Davis
23	Vehicular Networks Communication Analysis and Speed Guidance at Signalized Intersections	Connected and autonomous vehicles (CAV)	Kaizhe Hou	Tsinghua University
24	Automated longitudinal vehicle following control considering minimization of fuel consumption and emissions	Connected and autonomous vehicles (CAV)	Lihua Luo	College of Transport & Communications, Shanghai Maritime University
25	Research on Precise Positioning Algorithm of Intelligent and Connected Vehicles with High-speed Moving	Connected and autonomous vehicles (CAV)	Huaikun Xiang, Ph.D	School of Automotive & Transportation Engineering, Shenzhen Polytechnic
26	Quantifying the Mobility and Energy Benefits of Automated Mobility Districts Using Microscopic Traffic Simulation	Connected and autonomous vehicles (CAV)	Lei Zhu	NREL
27	Optimal Placement of Roadside Equipment in a Connected Vehicle Environment for Incident Management	Connected and autonomous vehicles (CAV)	Jalli Kianfar, P.E., PTOE	Saint Louis University
28	Delay bound analysis for vehicular ad hoc networks at signalized intersections	Connected and autonomous vehicles (CAV)	Yunyi Liang, Ph. D candidate	Tongji University
29	A Probe into the Allocation Plan of Logistics Equipment in China Railway under New Technology	Connected transportation facilities	Xiaohong Li, Ph.D	Beijing Jiaotong University
30	Impact of Autonomous Vehicles on Electric Vehicle Charging Infrastructure	Consequential (how does it change the system) life cycle assessment of impacts of automated vehicles	Avi C. Mersy, Ph.D.	Carnegie Mellon University
31	Investigating the Viability of Posture-Based Driver Authentication	Cybersecurity	Christopher Hadiono	Case Western Reserve University
32	Leveraging Advanced Technologies for Fighting Corruption in Infrastructure Project Delivery	Emerging Technologies for Transportation & Development	SeyedAli Ghahari, Eng.	Purdue University
33	An Extensive Investigation on Eco-approaching Controller Under Partially Connected and Automated Vehicle Environment	Emerging Technologies for Transportation & Development	Huifu Jiang	Harbin Institute of Technology
34	In-pavement Fiber Bragg Grating sensor for vehicle classification	Emerging Technologies for Transportation & Development	Muath Al-Tarawneh	NDSU
35	Evaluation of Techniques based on Vehicle-to-Infrastructure Communication to Optimize Traffic Flow after a Freeway Incident	Emerging Technologies for Transportation & Development	Gopindra Sivakumar Nair, M.Tech	University of Texas at Austin
36	Otta Seal Construction for Asphalt Pavement Resurfacing	Emerging Technologies for Transportation & Development	Sharif Y. Gushgari, Ph.D Student	Iowa State University
37	The relationship between For-Hire Service Pick-Ups and Built Environment Characteristics: Evidence from New York City	Emerging Technologies for Transportation & Development	Jina Mahmoudi, M.S.	University of Maryland
38	Variability in Rheological Behavior of Foamed Asphalt with Foaming Water Contents	Emerging Technologies for Transportation & Development	Biswajit K. Bairgi, M. Sc.	University of New Mexico
39	Effects of Extraction Solvent, Fine Particles and Recycled Asphalt Pavement Aggregate in Aging Determination of Asphalt Binder by ATR-FTIRs	Emerging Technologies for Transportation & Development	Lamiya Noor, PhD	Louisiana Tech
40	Evaluation of a Full Scale Wheel Load Tester to Determine the Rutting and Moisture Susceptibility of Asphalt Mix in Laboratory	Emerging Technologies for Transportation & Development	Shams Arifat	Louisiana Tech University
41	Big Data for STIP Management	Emerging Technologies for Transportation & Development	Majed N. Al-Ghandour, PhD, PE, M.ASCE	NCDOT
42	Environmental Impacts of Delivery by Ground Robots and Drones in Cities	Impact of drones and unmanned vehicles on transportation and development	Constantine Samaras, Ph.D.	Carnegie Mellon University
43	Sea Level Rise Effects on Singapore Changi International Airport	Impact on Airports	Laura Blumenfeld	Northeastern University
44	Regional Cooperation in Port Development to Bolster Maritime Logistics Services in South Asia	Impact on Freight	Razon Chandra. Saha, Researcher	Center for Higher Studies and Research, Bangladesh University of Professionals.
45	EVALUATION OF RESILIENT MODULUS OF SUBGRADE AND BASE MATERIALS OF NEW MEXICO AND ITS IMPLEMENTATION IN ME-DESIGN	Impact on Highway Pavements	Md Mehedi Hasan, Phd Student	The University of New Mexico

46	Investigation of Mechanical Property of Polymer Modified Binder Using Image Processing and Finite Element Method	Impact on Highway Pavements	Md Amanul Hasan, MS	University of New Mexico
47	Investigating Presence of Orthotropy in Asphalt Concrete through Embedded Asphalt Strain Gages	Impact on Highway Pavements	Zafrul Khan	University of New Mexico
48	Integrating locally-Calibrated Material Characterization Models for Design of Flexible Pavements: A Case Study	Impact on Highway Pavements	Alexander U.. Afuberoh, B.Sc.	University of Manitoba
49	Assessment of Rutting Behavior of Warm-Mix Asphalt (WMA) with Chemical WMA Additives towards Laboratory and Field Investigation	Impact on Highway Pavements	Biswajit K.. Balrgi, M. Sc.	University of New Mexico
50	Evaluation of Nano-Level Material Properties of Non-Aggregate Phase of Asphalt Concrete through Numerical Simulation of Nanoindentation Test	Impact on Highway Pavements	Zafrul Khan	University of New Mexico
51	Repeated Load-Deformation Analysis for Assessment of Moisture Damage Resistance of Warm-Mix Asphalt (WMA) with Chemical Additives	Impact on Highway Pavements	Biswajit K.. Balrgi, M. Sc.	University of New Mexico
52	Correlation of Automated Field Rut Measurements with HWD Results	Impact on Highway Pavements	Ivan Syed, B. Sc.	University of New Mexico
53	Effect of Saturation Period on Traditional Subbase Materials in Bangladesh	Impact on Highway Pavements	Tariqul Hasan	Military Institute of Science and Technology
54	Temperature Susceptibility of Asphalt Binders for Climate Change	Impact on Highway Pavements	Lee Leon, S.M.ASCE	Civil Engineering Dept
55	A Survey Analysis of Built Environment Professionals' Perception about Ghana's Infrastructure	Impact on Infrastructure	Samuel Owusu-Ababio, Professor	University of Wisconsin, Platteville
56	Making the Case for Better Models and Information Sharing of the Transportation Impacts Around Points of Dispensing During a Biological Event	Impact on Infrastructure	Rachel Chiquoine, MAS	University of Delaware
57	Experimental study on cinder as filler of railway surface layer of subgrade	Impact on Rail	Jingyun Liao	School Of Civil Engineering,Central South University
58	Railroad Accidents Causes & Innovative Prevention Techniques (Advanced Techniques in Railroad Engineering)	Impact on Safety	Avinash Prasad, PE, LS, PhD(C), MSCE, MSEM, F.ASCE, M.AREMA, M.NYSAPLS, M.PMI, M.AISC, FF, EMT	New York City Transit Authority
59	A Framework of a V2X Communication System with Novel Technologies for Enhancing Vehicle and Pedestrian Safety	Impact on Safety	Ziqiang Zeng, PhD	University of Washington
60	Developing Crash Modification Factors using Multi-User Driving Simulator	Impact on Safety	Abdulla L. Al, PhD	Lawrence Technological University
61	Safety Evaluation of Raised Speed Limits on Kansas Freeways using Empirical Bayes Method	Impact on Safety	Reza sedaghat. Shirazinejad	Kansas State University
62	Calibration of the Highway Safety Manual for 4-legged Signalized Intersections at urban and suburban areas in Kansas	Impact on Safety	Rijesh Karmacharya	Kansas State University
63	The Effect of Distractions on the Crash Types of Teenage and Young-adult Drivers in Kansas	Impact on Safety	Ibrahim Alfallaj	Kansas State University
64	Application of ABAQUS Program to Investigate the Effect of Variation in Subgrade Layer Properties on the Damage of Flexible Pavement Structure	Impact on Sustainability	Saad FARHAN IBRAHIM. AlAbdullah, Amman	FACULTY OF ENGINEERING ,JSRA UNIVERSITY
65	Screening Test for Improved Calcium Chloride Deicer Resistance in Pervious Concrete	Impact on Sustainability	Liv M.. Haseibach, PhD	Lamar University
66	RESILIENCE OF UNDERGROUND TRANSPORTATION INFRASTRUCTURE IN COASTAL REGIONS: A CASE STUDY	Impact on Sustainability	Edwin Martinez	California State University Los Angeles
67	Developing Static and Dynamic Multimodal Transportation System Models to Estimate Individual Commuter Footprints Using ArcGIS, GoogleMaps and Here360	Impact on Sustainability	Annemarie Schwanz, EIT	California State University, Fresno
68	A GIS-based Model for Estimating Noise at Traffic Intersections	Impact on Sustainability	Rebekah Brechmann, EIT	California State University, Fresno
69	Simultaneous Optimization Model of Signal Phase Design and Timing at Intersection	Impact on Traffic	Kai Lu, 430104197911183518	South China University of Technology
70	Exploring Freeway Merging Behavior Using Dynamic Bayesian Network Models	Impact on Traffic	Ergen Wang, MA	Traffic Management Research Institute of the Ministry of Public Security
71	Complex Reaction and Personality Trait	Impact on Travel Behavior	Liang Zhao	Shandong Jiaotong University
72	Visions and Goals of the Individual High-Speed Full Automated Rail Transportation Systems as the Ultra Integrated Modal Transport	Impacts of automated vehicles on sustainability	Motoyuki Minakami, PhD	n/a (unemployed)
73	Using On-Road Data to Evaluate Fuel Efficiency Impacts from Vehicle Automation: A Case Study Using Adaptive Cruise Control Data from Volvo Car Corporation and Planned Extension to the Drive Me Project	Impacts of automated vehicles on sustainability	Lei Zhu	NREL
74	Infrastructure and Policy Framework for Environmental Justice Assessment of Vehicle Automation	Impacts of automated vehicles on sustainability	Allanté Whitmore, MS	Carnegie Mellon University
75	Impact of Travel Demand, Sharing, and Electrification on Pathways for U.S. Light Duty Vehicles Decarbonization	Impacts of automated vehicles on sustainability	Abdullah F.. Alarfaj	Carnegie Mellon University
76	Proactive Safety Treatments of Red Light Violations Using Microsimulation Modelling	Improvements to transportation safety	Madhumita Paul, M.Tech.	Indian Institute of Technology (IIT) Roorkee
77	Research on Appropriate Choice of Tibet Plateau Road Superelevation and Radius under the Condition of Ice and Snow	Improvements to transportation safety	Ma Xiaolong	CCCC First Highway Consultants Co., Ltd
78	Optimization of Curve design of Mountainous highway utilizing Vehicle-Road Coordination Model	Improvements to transportation safety	Lei Yue	Tongji University
79	Highway Geometric Design for mountainous regions considering the Vehicle-Road coupling factors	Improvements to transportation safety	Lei Yue	Tongji University
80	Mechanism of the "White Hole" phenomenon and relative security technology in the tunnel	Improvements to transportation safety	Jiangbi Hu, PhD	Beijing University of Technology
81	Driver Responses to Green Signal Flash and Countdown Displays at Signalized Intersections: A Comparative Study Using Driving Simulator	Improvements to transportation safety	Zehao JIANG	Tongji University
82	EXPLORING BAYESIAN HIERARCHICAL MODELS FOR DEVELOPING RISK ESTIMATIONS FOR ROADWAY SECONDARY ACCIDENTS	Improvements to transportation safety	Zhuoye Zhang, MS	School of Naval Architecture, Ocean and Civil Engineering Shanghai Jiao Tong University, China
83	Behavior of heavy trucks in stop and go traffic: studies based on control experiment	Improvements to transportation safety	Jieyu Liang	Key Laboratory of Road & Traffic Engineering of the Ministry of Education Tongji University
84	Evaluating Safety Effectiveness of Roundabout Installation in Kansas	Improvements to transportation safety	Allreza Shams	Clemson University
85	ANALYSIS OF ACCIDENT SEVERITY FOR CURVED ROADWAYS BASED ON BAYESIAN NETWORKS	Improvements to transportation safety	Lian Zhu	Shanghai Jiao Tong University, School of Naval Architecture, Ocean and Civil Engineering
86	Study on Traffic Sign Setting Technology in Highway Foggy Section	Improvements to transportation safety	Jiangbi Hu, PhD	Beijing University of Technology
87	The Self-Explainability of Demand-Oriented Road Improvement	Improvements to transportation safety	Yichi Yang, MA	People's Public Security University of China
88	Spatial Analysis of the Socioeconomic Factors Influencing Regional Fatal Traffic Accident Rates	Improvements to transportation safety	Matthew Volovski	Manhattan College
89	Safety Effectiveness of Chevrons and Post-Mounted Delineators on Lane-Departure Crashes	Improvements to transportation safety	Uditha N.. Galgamuwa, B.Sc., M.Sc	Kansas State University
90	Locating Speed Limit Signs for Highway Tunnel Entrance and Exit	Improvements to transportation safety	Han Bai	SHANDONG JIAOTONG UNIVERSITY
91	Accommodation Mechanism of Horizontal Alignment on Freeway Tunnel Entrance and Exit	Improvements to transportation safety	Han Bai	SHANDONG JIAOTONG UNIVERSITY

92	Detection of Railway Fastener Defects based on Sub-mm 3D Surfaces Using Convolutional Neural Networks	Improvements to transportation safety	Xianxing Dai	SOUTHWEST JIAOTONG UNIV
93	Automatic Recognition Algorithm for 3D Asphalt Pavement Crack Images Based on W-test and Probabilistic Relaxation	Improvements to transportation safety	Guolong Wang	SOUTH WEST JIAOTONG UNIV
94	Transit and employment: The importance of access to transportation in the employment of low-income mothers	Increasing focus on urban rail and public transit	Pieta Blakey, PhD	Blakey Consulting, LLC
95	Bus passenger flow and running status analysis system based on MAC address	Increasing focus on urban rail and public transit	Dong Hongzhao, PhD	Zhejiang University of Technology
96	Joint Optimization of Tram Timetables and Traffic Signal Timings	Increasing focus on urban rail and public transit	Yuxiong Ji	Tongji University
97	Passengers Oriented Real-time Bus Information Providing Strategie to Prevent Buses from Bunching	Increasing focus on urban rail and public transit	Shengchuan Jiang, PhD	Tongji University
98	A data-driven customized bus line design model based on multi-source data	Increasing focus on urban rail and public transit	Yinhal Wang, PhD	University of Washington
99	DEVELOPMENT OF HAZARD BASED-MODELS FOR THE METRO RAIL OF THE WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY	Increasing focus on urban rail and public transit	Kathleen Libnao	Langan Engineering
100	EXPLORING AN ESTIMATION APPROACH FOR PEDESTRIAN OF LEVEL OF SERVICE UNDER EVACUATION FOR PUBLIC TRAFFIC SPACE	Increasing focus on urban rail and public transit	Miaoping Hu, MS	Transportation Research Center School of Naval Architecture, Ocean and Civil Engineering
101	Analysis of Spatial Socioeconomic Influences on Transit Ridership Variability in New York City	Increasing focus on urban rail and public transit	Matthew Volovski	Manhattan College
102	A FINANCIAL MODEL TO ESTIMATE ANNUAL PAYMENTS REQUIRED UNDER OUTPUT- AND PERFORMANCE BASED ROAD CONTRACTS	Infrastructure funding	Goran Madenovic, Member	University of Belgrade
103	Employment Subcenters, Polycentricity, and Travel Behavior: The Tale of Two Cities in the U.S.	Land Use Planning and Development	Arefeh A. Nasri, PhD	National Transportation Center, University of Maryland, College Park
104	Implications of Climate Change on the Performance of a Rain Garden System at Carnegie Mellon University	Land Use Planning and Development	Katherine Diaz	Carnegie Mellon University
105	Reliability Based Design Optimization of a MASH TL-3 Concrete Barrier	New technologies and analytical tools for design, construction, operation, and maintenance of transportation and	Erica Jarosch	Manhattan College
106	The Application of Machine Vision in Skid Resistance Estimation	New technologies and analytical tools for design, construction, operation, and maintenance of transportation and	Chenglong Liu, PhD Candidate	Tongji University
107	Traffic Speed Prediction for Urban Arterial Roads Using Deep Neural Networks	New technologies and analytical tools for design, construction, operation, and maintenance of transportation and	Yaw O. Adu-Gyamfi, PhD	University of Missouri - Columbia
108	Taxi service area regulation: formulation and analysis	New technologies and analytical tools for design, construction, operation, and maintenance of transportation and	Baicheng Li, The University of Hong Kong, Pokfulam, Hong Kong	The University of Hong Kong
109	Effect of Nanomaterials on Binder Performance	New technologies and analytical tools for design, construction, operation, and maintenance of transportation and	Bishal Karki, MS in Civil Engineering	University of North Dakota
110	A Line-shape Measurement Method of Bridge Structure Based on Fiber Optic Gyroscope	New technologies and analytical tools for design, construction, operation, and maintenance of transportation and	Qiuming Nan, PhD	Wuhan University of Technology
111	The locating and capacitating strategy of CNG refueling station towards the uncertain developing market	New technologies and analytical tools for design, construction, operation, and maintenance of transportation and	Ning Ma, Phd Candidate	Business School, Sichuan University
112	HEURISTIC BIDIRECTIONAL DUKSTRA ALGORITHM USING PIECE-WISE LINEAR FUNCTION	New technologies and analytical tools for design, construction, operation, and maintenance of transportation and	Gelareh Sanjabi, PhD	Novare Technology Corporation
113	Optimization Layout of Warning Signs based on Road Information Pulse Model	New technologies and analytical tools for design, construction, operation, and maintenance of transportation and	Yu Chen, 1510059	Key Laboratory of Road & Traffic Engineering of Ministry of Education
114	ROAD ALIGNMENT OPTIMIZATION FROM THE DRIVER'S VISUAL PERSPECTIVAL VIEW	New technologies and analytical tools for design, construction, operation, and maintenance of transportation and	Fan Wang	Key Laboratory of Road and Traffic Engineering of the Ministry of Education
115	Architecture design of the comprehensive life cycle information integration for railroad infrastructure	New technologies and analytical tools for design, construction, operation, and maintenance of transportation and	Ge Guo, PhD	Information Computing Technologies, China Academy of Railway Sciences
116	Application of Superpave Gyrotary Compactor for Laboratory Compaction of Unbound Granular Materials	New technologies and analytical tools for design, construction, operation, and maintenance of transportation and	Poura Arabali, PhD Student	Texas A&M University, Texas A&M Transportation Institute
117	GIS-Based Spatial Analysis of Pavement Distress Severity and Frequency	New technologies and analytical tools for design, construction, operation, and maintenance of transportation and	Afshin Famili, PHD	Clemson University
118	Rapid Mobility Restoration in a Connected Transportation Environment	New technologies and analytical tools for design, construction, operation, and maintenance of transportation and	Shofiq Ahmed	West Virginia University
119	Traffic Flow Simulation for Highway Tunnel Entrance and Exit Using VISSIM	New technologies and analytical tools for design, construction, operation, and maintenance of transportation and	Han Bai	SHANDONG JIAOTONG UNIVERSITY
120	Bi-Level Programming Model for Unified Urban Planning of Ground Transportation and Underground Utility Tunnel Systems	New technologies and analytical tools for design, construction, operation, and maintenance of transportation and	Yongjun Chen	Beijing University of Civil Engineering and Architecture, School of Economics and Management Engineering
121	Freeway Traffic Safety and Efficiency Enhancement through Adaptive Roadway Lighting and Control Enabled by Connected Sensor and Infrastructure Networks	New technologies and analytical tools for design, construction, operation, and maintenance of transportation and	John E. Ash, MS	University of Washington
122	Flow Rate Estimation Method Using Car-Following Theory and WIFI MAC Address Matching Technique	New technologies and analytical tools for design, construction, operation, and maintenance of transportation and	Joyoung Lee	New Jersey Institute of Technology
123	Reducing travel delay at signalized intersection by improving signal functionality	New technologies and analytical tools for design, construction, operation, and maintenance of transportation and	Nasima Bhuiyan, PhD Candidate	California State University, Long Beach
124	Recent Research on Counterfeited Materials and Products in Construction Supply Chains	Other -	Haekyung Im, FLORIDA	University of Florida
125	Study on Travel Time Prediction Method Based on License Plate Data	Reducing travel delay	JingSheng Wang, master degree	School of Traffic Management, People's Public Security University of China
126	Inference of Pattern Variation of Taxi Ridership Using Deep Learning Methods: Case study of New York City	Smart Cities	Shirin Najafabadi, PhD Candidate	The City College of New York (CUNY)
127	Development of Low-Cost Traffic Sensors Using 2-Dimensional LIDAR for Smart City	Smart Cities	Joyoung Lee	New Jersey Institute of Technology
128	Increasing concrete magnetic permeability with the addition of soft iron powder inclusions	Smart Cities	Nicholas Brake, A.M.ASCE	Lamar University
129	Congestion effect of e-Hailing transportation services	Socio-economic impacts of emerging technologies	Xuegang (Jeff) Ban	University of Washington
130	Recommend an Electronic Vehicle Sharing Pattern in Metropolitan Cities Using AHP Method	Socio-economic impacts of emerging technologies	Xuejin Wan, MD	Beijing Transportation Information Center
131	Empirical Research of Business Model of Electric Vehicle Charging Infrastructures in Semi-public Areas	Socio-economic impacts of emerging technologies	Na Wang, M.EC	China Automotive Technology & Research Center
132	Data-driven analysis of plug-in electric taxis dispatching and charging	Sustainable development	Huimiao Chen	Tsinghua University
133	Transport biofuels technological paradigm based conversion approaches towards a bio-electric energy framework	Sustainable development	Meihui LI, PhD	Sichuan University
134	Application and development of systems engineering in road traffic management	Sustainable development	Guangping Liu, doctor	People's Public Security University of China
135	Impact of Climate-Induced Extreme Temperatures on Bituminous Roads in Pittsburgh, PA	Sustainable development	Oly Nwankwo	Carnegie Mellon University
136	A deep learning method used in traffic environmental impact analysis at toll collection plaza in China	Sustainable development	Chen Zhang	Southeast University
137	Geostatistical Analysis of Mobile Source Emissions: A South Carolina Case Study	Sustainable development	Afshin Famili, PHD	Clemson University

138	A conceptual framework for urban metabolism of hardscape	Sustainable development	John Harvey, PhD, PE	University of California Davis
139	Effect of Fiber-Reinforcement on Mechanical Properties of Self-Consolidating Concrete for Transportation Infrastructure Applications	Sustainable development	Jason Ng	California State University Los Angeles
140	Capturing Comprehensive Environmental Considerations in Environmental Product Declarations for Asphalt Pavements	Sustainable development	Liv M. Haseibach, PhD	Lamar University
141	Comparative Analysis & Modeling for Conflict Avoidance Behavior of E-Bikes and Bikes	Technological advances in support of bicycle and pedestrian travel	Ling Huang	University of Washington
142	Increasing compressive strength of recycled aggregate concrete using high fineness bottom ash blended cement	Use of waste and by-products	Nicholas Brake, A.M.ASCE	Lamar University
143	Visualizing electric vehicle incentives and battery life using web technology	User accessibility	Isaac Gendler	San Jose State University
144	Place-based Space-time Accessibility Measures considering Travel Time Reliability	User accessibility	Zhongyi Wu, Ph.D	China Academy of Transportation Sciences, Ministry of Transport
145	Transportation Big Data: Promises, Issues, and Implications	Using Big Data for transportation analytics and safety improvements	Cynthia Chen	University of Washington
146	Investigating the Relationship between Collision Characteristics and Traffic Level of Service through Big Data Analytics: A Case Study in the State of Virginia	Using Big Data for transportation analytics and safety improvements	Dong Pan, PhD Student	George Washington University
147	Traffic signal control based on deep reinforcement learning	Using Big Data for transportation analytics and safety improvements	Yusen Huo	Tsinghua University
148	Study on Urban Road Network Vulnerability Evaluation Based on Cloud Model in Internet of Things	Using Big Data for transportation analytics and safety improvements	Huaikun Xiang, Ph.D	School of Automotive & Transportation Engineering, Shenzhen Polytechnic
149	Investigation of Driver Injury Severity Patterns in Run-Off-Road Crashes Using a Series of Artificial Neural Network Models	Using Big Data for transportation analytics and safety improvements	Mengtao Zhu, graduate, not applicable	Beijing Institute of Technology
150	Evaluation of Quality Control Program Indicators on the Long-Term Performance of Pavements	Using Big Data for transportation analytics and safety improvements	Arash Mohammad Hosseini, Aff.M.ASCE	Temple University
151	Scavenging Data from Odometer Readings in Safety and Emissions Inspection Records for More Robust Estimates of Vehicle Miles Traveled	Using Big Data for transportation analytics and safety improvements	H Scott Matthews	Carnegie Mellon University
152	Data Mining of Influential factors on maintenance probability and milling and resurfacing thickness based on Pavement Management System	Using Big Data for transportation analytics and safety improvements	Linyi Yao, Master Degree Candidate	College of Transportation, Southeast University
153	Performance and Effectiveness Evaluation of Pavement Maintenance Treatments through data mining	Using Big Data for transportation analytics and safety improvements	Hui Du	Southeast University
154	Performance Measurement for A Selected Pilot Urban Corridor in Seattle	Using Big Data for transportation analytics and safety improvements	Zhiyong Cui, PhD	University of Washington
155	Texture Measurement Based on 3D Pavement Surface Images at Sub-mm Resolution	Using Big Data for transportation analytics and safety improvements	Shihai Ding, PhD	SOUTH WEST JIAOTONG UNIV
156	Identifying Grade Effects on Network Speed Prediction: A Continuous Wavelet Transform (CWT) Based Learning Method	Using Big Data for transportation analytics and safety improvements	Wenbo Zhu	University of Washington CEE
157	Investigating Customer Satisfaction Patterns in a Community Livability Context: An Efficiency-Oriented Decision-Making Approach	Using Big Data for transportation analytics and safety improvements	Golnaz Sarram, MA	University of Memphis
158	Effects of a Moving Load on a Non-Homogeneous Bridge Beam		Mohammad Al-Mutairi, Doctor of Philosophy Student	Kuwait Institute for Scientific Research
159	A Framework for a New Tool for Contract Time Determination		Mohamed Abdel-Raheem, PhD, PMP, LSSGB, LEED GA, CM-BIM, CM-Lean, ENV SP	University of Texas Rio Grande Valley
160	Assessment of the Current Contract Time Determination Systems Used by TXDOT		Mohamed Abdel-Raheem, PhD, PMP, LSSGB, LEED GA, CM-BIM, CM-Lean, ENV SP	University of Texas Rio Grande Valley
161	Strategy for a Concrete Overlay of a Commercial Service Runway Without Daytime Closure		Michael T. McNeerney, PhD, P.E. M. ASCE	The University of Texas at Arlington
162	Multi-modal Interactions on Urban Streets: New Conflicts and Emerging Challenges in a Mixed-Use Neighborhood		Moirá Conway, PhD	Kutztown University
163	Mechanistic Evaluation of Effect of PPA on Moisture-induced Damage using SFE and XRF		M Zaman	
164	City Buses and Sustainable Urban Mobility in Kano Metropolis 1967-2015: An Historical Perspective		Yusuf U. Madugu	
165	Technological Advances for Sustainable development through Assessing Passenger Airline On-Time Performance in Developing Countries - A Case of Botswana		Adewole Simon. Oladele, PhD, Pr.Eng., M.ASCE	Botswana International University of Science and Technology