

CUTR at TRB 2022

<u>Time</u>	<u>Name</u>	<u>Title</u>	<u>Session or Workshop No.</u>	<u>Committee/Presentation #</u>	<u>Type</u>
Sunday, January 9					
9 - 12 AM ET	Mouyid Islam	Child Pedestrian Safety and Equity	Workshop 1003	ACS20	P
9 - 12 AM ET	Lisa Staes	Trespassing and Technology: Existing and Future Detection and Mitigation Technology	Workshop 1014	AP080 AR010 AR070 AR080	PRESIDING
Monday, January 10					
8 - 9:30 AM ET	Cong Chen	Safety of Motorcyclists and Active Transportation Modes	Poster Session 1056	ACS20	PRESIDING
8 - 9:30 AM ET	Zhenyu Wang, Chanyoung Lee, Runan Yang	Recursive Bivariate Probit Analysis of Fatalities and Improper Actions in Motorcycle- Vehicle Crashes on Horizontal Curves	Poster Session 1056	ACS20	P
10:30 AM - 12 PM ET	Lisa Staes	Transit Safety and Security Committee		AP080	PRESIDING
1:30 - 3 PM ET	Peng Chen, Kristine Williams	Enabling Transportation Planning Professional Advancement through Open Educational Resources	Lectern Session 1116	AEP25	L
1:30 - 3 PM ET	Sisinnio Concas, Achilleas Kourtellis, Maysam Rabbani, Mohsen Kamrani, Omkar Dokur, Vishal Kummetha	A Longitudinal Study of the COVID-19 Pandemic Impact on Activity Travel Using Connected Vehicle Data	Poster Session 1134	AEP25	P
1:30 - 3 PM ET	Mouyid Islam	Recent Issues in Commercial Motor Vehicle Safety, Health, and Technology	Poster Session 1133	ACS60	PRESIDING

4 - 5:30 PM	Yu Zhang	A Spatial-Temporal Deep Learning Approach for Airspace Complexity Prediction	Poster Session 1197	AV000	P
4 - 5:30 PM	Pengli Zhao, Joseph Post, Zhiqiang Wu, Yu Zhang	Environmental Impact Analysis of On-Demand Urban Air Mobility: A Case Study of the Tampa Bay Area	Poster Session 1197	AV000	P

Tuesday, January 11

8 - 9:30 AM ET	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 1241	AR080	P
8 - 9:30 AM ET	Saeid Soleimaniamiri, Handong Yao, Xiaopeng Li	Cooperative Signal Optimization and Trajectory Smoothing of Automated Vehicles Considering Different Cooperation Classes at Signalized Intersection	Poster Session 1336	ACP30	P
8 - 9:30 AM ET	Lisa Staes	Pandemic Impacts on Transit Use and Perceptions	Poster Session 1233	AP080	PRESIDING
8 - 9:30 AM ET	Lisa Staes	Topics in Rail Transit Safety and Security	Poster Session 1234	AP080	PRESIDING
8 - 9:30 AM ET	Lisa Staes	Topics in Bus Transit Safety	Poster Session 1235	AP080	PRESIDING
10:30 AM - 12 PM ET	Zhiwei Chen, Xiaopeng Li	A Dynamic Cooperative Lane-changing Model for Connected and Autonomous Vehicles with Possible Accelerations of a Preceding Vehicle	Poster Session 1266	ACP30	P

10:30 AM - 12 PM ET	Qianwen Li, Handong Yao, Xiaopeng Li	A Matched Case-Control Method to Model Car-following Safety Driver Satisfaction with Connected Vehicle	Poster Session 1263	ACH30	P
10:30 AM - 12 PM ET	Achilleas Kourtellis, Sisinnio Concas, Mohsen Kamrani, Maysam Rabbani, Vishal Kummetha, Omkar Dokur	Applications: Results from the THEA CV Pilot	Poster Session 1263	ACH30	P
10:30 AM - 12 PM ET	Sisinnio Concas, Achilleas Kourtellis, Mohsen Kamrani	THEA Connected Vehicle Pilot Deployment Performance Measurement and Evaluation: A Synthesis of Findings and Lessons Learned	Poster Session 1264	ACP15	P
10:30 AM - 12 PM ET	Tia Boyd, Kristine Williams	The Transportation Equity Toolkit	Poster Session 1280	AME80	P
1:30 - 3 PM ET	Eren Yuksel, Xiaopeng Li, Seckin Ozkul	Toward Improving Freeway Planning, Design and Operational Analysis: Data-Driven Computation of State-Dependent Passenger Car Equivalency for Multiple Truck Lengths	Poster Session 1303	ACP40	P
1:30 - 3 PM ET	Mouyid Islam	An Empirical Analysis on Driver Injury Severity on Freeways in Florida during COVID-19: Accounting for Unobserved Heterogeneity	Poster Session 1304	ACS20	P
1:30 - 3 PM ET	Zhiwei Chen, Xiaopeng Li	Transfer-based Customized Modular Bus System Design with Passenger-Route Assignment Optimization	Poster Session 1314	AP050	P

		Comparison of Object Detection Algorithms Using Video and Thermal Images Collected from a UAS Platform: An Application of				
4 - 5 PM ET	Hualong Tang, Joseph Post, Achilleas Kourtellis, Yu Zhang	Drones in Traffic Management	Poster Session 1338	ACP70		P
4 - 5:30 PM ET	Qianwen Li, Zhiwei Chen, Xiaopeng Li	A Review of Connected and Automated Vehicle Platoon Operations	Poster Session 1336	ACP30		P
4 - 5:30 PM ET	Peng Chen, Xiankui Yang	Revisit Employer-Based Travel Demand Management: A Longitudinal Analysis	Poster Session 1187	AEP60		P
4 - 5:30 PM ET	Handong Yao, Xiaopeng Li	Physics-Aware Learning- based Longitudinal Vehicle Trajectory Prediction in Congested Traffic	Poster Session 1337	ACP50		P
4 - 5:30 PM ET	Runan Yang	Data-driven Analysis of Spatial-temporal Highway Traffic Volume Considering Weather and Festival Impacts	Poster Session 1341	AED10		P
4 - 5:30 PM ET	Jason Jackman	Safety by Design A Car-Following-Based	Poster Session 1344	AJE40		P
4 - 5:30 PM ET	Xiaowei Shi, Dongfang Zhao, Xiaopeng Li	Method for Vehicle Trajectory Connection	Poster Session 1342	AED30		P
4 - 5:30 PM ET	Manjriker Gunaratne, Thathsarani Herath	Evaluation of vehicle hydroplaning speed prediction methods with respect to effects of turbulence in the tire vicinity	Poster Session 1351	AKP50		P

Wednesday, January 12

8 - 9:30 AM ET	Victoria Perk	Poster Session 1390	Poster Session	APO15	PRESIDING
8 - 9:30 AM ET	Qianwen Li, Zhenyu Wang, Rama	Modeling Effects of Roadway	Poster Session	ACH40	P
8 - 9:30 AM ET	Tung Vo, Michael Maness	Impacts of the COVID-19	Poster Session	ACH20	P
8 - 9:30 AM ET	Yu Zhang	Airfield and Airspace	Airfield and	AVO60	PRESIDING
		Securely Sharing and Visualizing Connected Vehicle			
8 - 9:30 AM ET	Omkar Dokur, Sisinnio Concas, Mohsen Kamrani, Achilleas Kourtellis, Vishal Kummetha	Analytics: THEA CV Pilot Performance Evaluation Dashboard	Visualization in Transportation Committee	AED80	C
		Transit Capacity and Quality Service Committee	Transit Capacity and Quality Service Committee	AP015	PRESIDING
8 - 12 PM ET	Victoria Perk		Lectern Session		
10:30 AM - 12 PM ET	Lisa Staes	Transit Employee Safety Video-based Trajectory Generation with Deep Learning for High-Granularity	1405	AP080	C
	Xiaowei Shi, Dongfang Zhao, Handong Yao, Xiaopeng Li	Highway Simulation (HIGH- SIM)	Poster Session 1412	AED20	P
10:30 AM - 12 PM ET	Mouyid Islam	A Roadmap for Child Pedestrian Training Program Informed by Contextual Crash Data	Poster Session 1409	ACH10	P
		Automated Vehicle Identification Based on Car- following Data with Machine Learning	Poster Session 1415	AED50	P
10:30 AM - 12 PM ET	Qianwen Li, Xiaopeng Li, Handong Yao, Zhaohui Liang	Modeling the Effects of Asphalt Overlay Design on Pavement Distress Initiation with Random Parameters			
		Hazard-Based Duration Models	Poster Session 1424	AKT10	P
4 - 5:30 PM ET	Qing Lu				

4 - 5:30 PM ET	Mouyid Islam	Unobserved Heterogeneity in the Analysis of Driver Injury Severity in Work Zone and Non-work Zone Crashes involving Single-vehicle Large Truck	Lectern Session 1420	ACS60	L
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