



CSCRS Partner Presentations  
TRB 2018

Date	Time	Presentation Title	Session #	Presenter*/Presider	University
1/7/2018	9AM - 12 PM	Bicycle Safety Across the Pillars of the UN's Decade of Action for Road Safety	Workshop 135	Offer Grembek (presiding)	UCB
1/7/2018	9 AM - 12 PM	Global Road Safety Subcommittee	ANB10(8)	Offer Grembek (presiding)	UCB
1/7/2018	9AM - 5 PM	Leveraging Investment in AV Research and Development to Foster Pedestrian and Bicycle Safety and Mobility (P18-21608)	Workshop 144A	Laura Sandt	UNC HSRC
1/7/2018	9AM - 5 PM	Sharing the Road: Enhancing Safety and Utility of Alternative Travel Modes During the Self-Driving Age (P18-21611)	Workshop 144A	Noreen McDonald	UNC DCRP Faculty
1/7/2018	1:30 PM - 4:30 PM	State and Local Safety Data Integration	Workshop 152	Nancy Lefler (presiding)	UNC HSRC
1/7/2018	1:30 PM - 4:30 PM	Kids and Common Values: Elevating the Dialogue on Race and Ethnicity to Advance Pedestrian Equity (P18-21595)	Workshop 181	Seth LaJeunesse	UNC HSRC
1/7/2018	1:30 PM - 4:30 PM	The Future of Motorcycling, Future Research Needs (P18-20785)	Workshop 182	Arthur Goodwin	UNC HSRC

1/7/2018	5:30 - 7:30 PM	Young Members Council (YMC)	A0040T	Bevan Kirley (presiding)	UNC HSRC
1/8/2018	10:15 AM - 12 PM	Air Pollution Exposure During School Commutes (18-04482)	Lectern Session 270	Mary Wolfe	UNC DCRP
				Noreen McDonald	UNC DCRP
				Sarav Arunachalam	UNC Gillings
				Alejandro Varias	
1/8/2018	10:15 AM - 12 PM	New Technologies and Methods in Motorcycle Safety—Hybrid Session	Lectern Session 291	Arthur Goodwin	UNC HSRC
				Yudan Wang	
				Bevan Kirley	
				Robert Foss	
				Stephanie Harrell	
1/8/2018	10:15 AM - 12 PM	New and Unique Aspects of University Campus Transportation Data to Improve Planning Methods	Poster Session 304	Christopher Cherry	UTK
				William Riggs	
				Bruce Appleyard	
				Nirbesh Dhakal	
				Alexander Frost	
				Saman Jeffers	
1/8/2018	10:15 AM - 12 PM	New Research on Driver Safety and Eco-Driving to Study Vehicle Performance and Crash or Near-Crash Events	Poster Session 307	Nancy Lefler (presiding)	UNC HSRC
1/8/2018	10:15 AM - 12 PM	Comparison of Pedestrian Count Expansion Methods: Land Use Groups Versus Empirical Clusters	Poster Session 310	Johann Weber	UTK
				Mojdeh Azad	
				William Riggs	
				Christopher Cherry	
1/8/2018	10:15 AM - 12 PM	Latest in Bicycle and Pedestrian Data Research	Poster Session 310	Julia Griswold	UCB
				Aditya Medury	
				Robert Schneider	
				Offer Grembek	
1/8/2018	10:15 AM - 12 PM	Annual Average Non-Motorized Traffic Estimates from Manual Counts: Quantifying Error	Poster Session 310	Krista Nordback	UNC HSRC

1/8/2018	10:15 AM - 12 PM	Injury Severity Analysis of Pedestrian and Bicyclist Trespassing Crashes at Non-Crossings: Application of Predictive Text Analytics	Poster Session 324	Behram Wali	UTK
				Asad Khattak	
				Meng Zhang	
1/8/2018	1:30 PM - 3:15 PM	Predicting Crash Severity Based on Its Related Collision Type Using Five Data Mining Techniques	Poster Session 385	Amir Mohammadianamir	UCB
				Navid Nadimi	
				David Ragland	
				Reza Imani Nasab	
1/8/2018	1:30 PM - 3:15 PM	Scheduling for Timely Passenger Delivery in a Large Scale Ride Sharing System	Poster Session 386	Yang Zhang	UTK
				Husheng Li	
				Hairong Qi	
				Lee Han	
				Christopher Cherry	
1/8/2018	1:30 PM - 3:15 PM	A Cooperative Freeway Merge Assistance System using Connected Vehicles	Poster Session 392	Md Salman Ahmed	UTK
				Mohammad Hoque	
				Jackeline Rios-Torres	
				Asad Khattak	
1/8/2018	1:30 PM - 3:15 PM	Pedestrian Crashes in Tennessee: A Data Mining Approach Pedestrian Crashes in Tennessee: A Data Mining Approach	Poster Session 394	Amin Mohamadi Hezaveh	UTK
				Mojdeh Azad	
				Chris Cherry	
1/8/2018	3:45 PM - 5:30 PM	Correlates of Front-Seat Passengers' Non-Use of Seatbelts at Night	Poster session 456	Kwaku Boakye	UTK
				Asad Khattak	
				Shashi Nambisian	
1/8/2018	3:45 PM - 5:30 PM	Are Education and Enforcement Strategies Effective in Increasing Night-Time Seat Belt Use? Evidence from a Large-Scale Before-After Observational Study	Poster Session 456	Kwaku Boakye	UTK
				Asad Khattak	
				Behram Wali	
				Shashi Nambisian	
1/9/2018	8 AM - 9:45 AM	Emerging Research in Transportation and Land Development	Poster Session 517	Noreen McDonald (presiding)	UNC DCRP

1/9/2018	8 AM - 9:45 AM	Safety Impacts of Automated Vehicles in Mixed Traffic	Poster Session 522	Ramin Arvin	UTK
				Mohsen Kamrani	
				Asad Khattak	
				Jackeline Rios-Torres	
1/9/2018	8 AM - 9:45 AM	Analyzing Highly Volatile Driving Trips and Associated Factors	Poster Session 523	Mohsen Kamrani	UTK
				Ramin Arvin	
				Asad Khattak	
1/9/2018	8 AM - 9:45 AM	Using Microsimulation to Evaluate the Impact of Automated Vehicles on Safety Performance of Signalized Intersections (18-05956)	Poster Session 523	Taha Saleem	UNC HSRC
1/9/2018	8 AM - 9:45 AM	How is Driving Volatility Related to Intersection Safety in a Connected Vehicles Environment	Poster Session 523	Asad Khattak	UTK
				Behram Wali	
				Hamparsum Bozdogan	
1/9/2018	8 AM - 9:45 AM	How Driving Volatility in Time to Collision Relates to Crash Severity in a Naturalistic Driving Environment?	Poster Session 523	Asad Khattak	UTK
				Behram Wali	
				Thomas Karnowski	
1/9/2018	10:15 AM - 12 PM	Intersection Approach Advisory Through V2X Technology Using Signal Phase and Timing (SPaT) Information at Fixed-Time Signalized Intersection	Poster Session 572	Md Salman Ahmed	UTK
				Mohammad Hoque	
				Asad Khattak	
1/9/2018	10:15 AM - 12 PM	NCHRP 17-72: Update of Crash Modification Factors for the Highway Safety Manual (P18-21223)	Poster Session 574	Raghavan Srinivasan	UNC HSRC
1/9/2018	10:15 AM - 12 PM	Safety Performance Functions for Divided	Poster Session 575	Praveen Vayalamkuzhi	UCB

		Four-Lane Intercity Highway Under Heterogeneous Traffic Flow		Veeraragavan Amirthalingam	
1/9/2018	10:15 AM - 12 PM	Crash Modification Factors for the Flashing Yellow Arrow Treatment at Signalized Intersections (18-01776)	Poster Session 575	Raghavan Srinivasan Bo Lan Daniel Carter Sarah Smith Kari Signor	UNC HSRC
1/9/2018	10:15 AM - 12 PM	A Before-After Evaluation of the Realignment of Horizontal Curves on Rural Two-Lane Roads (18-01803**)	Poster Session 575	Raghavan Srinivasan Daniel Carter	UNC HSRC
1/9/2018	10:15 AM - 12 PM	Safety Evaluation of Cable Median Barriers in Combination with Rumble Strips on Divided Roads (18-03788**)	Poster Session 575	Bo Lan Raghavan Srinivasan Daniel Carter	UNC HSRC
1/9/2018	10:15 AM - 12 PM	Bicyclist Safety Performance Functions for Road Segments in a U.S. City (18-06245)	Poster Session 575	Krista Nordback Bo Lan	UNC HSRC
1/9/2018	10:15 AM - 12 PM	Development of Safety Performance Functions for Tennessee: Unobserved Heterogeneity & Functional Form Analysis	Poster Session 575	Behram Wali Asad Khattak Jim Waters Deo Chimba Xiaobing Li	UTK
1/9/2018	10:15 AM - 12 PM	Young Drivers Subcommittee	ANB30(1)	Robert Foss (presiding)	UNC HSRC
1/9/2018	12:15 - 1:15 PM	Roadway Safety Data Subcommittee	ABJ20(1)	Nancy Lefler (presiding)	UNC HSRC
1/9/2018	1:30 PM - 3:15 PM	Pedestrian and Bicycle University Education, Joint Subcommittee of ANF20, ANF10	ANF20(6)	Kristen Brookshire (presiding)	UNC HSRC

1/10/2018	8 AM - 9:45 AM	Pedestrian and Autonomous Vehicle Interactions Subcommittee	ANF10(3)	Laura Sandt (presiding)	UNC HSRC
1/10/2018	8 AM - 9:45 AM	Traffic Speed and Safety—Cross-Cutting Issues, Joint Subcommittee of ANB20, AHB65, ANB10	ANB20(5)	Libby Thomas (presiding)	UNC HSRC
1/10/2018	8 AM - 9:45 AM	Challenges and Successes in Meeting Federal Safety Data Requirements	Lectern Session 737	Nancy Lefler (presiding)	UNC HSRC
1/10/2018	8 AM - 9:45 AM	The Built Environment, Travel Behavior, and Smart Growth	Lectern Session 744	Noreen McDonald	UNC DCRP
1/10/2018	8 AM - 9:45 AM	Impact of Vehicle-to-Vehicle Communication Reliability of Safety Applications: An Experimental Study	Lectern Session 755	Mohammad Hoque Md Salman Ahmed Jackeline Rios-Torres Asad Khattak Ramin Arvin	UTK
1/10/2018	8 AM - 9:45 AM	Safety Evaluation of Flashing Yellow Arrow Treatment – Best of the 5th Urban Street Symposium (P18-21627)	Poster Session 776	Raghavan Srinivasan	UNC HSRC
1/10/2018	8 AM - 9:45 AM	Motivational factors underlying e-bike users' intention to run the red light	Poster Session 782	Hongtai Yang Fan Su Chris Cherry Yugang Liu Xiaohan Liu	UTK
1/10/2018	10:15 AM - 12 PM	Identifying and Analyzing Extreme Lane Change Events Using Basic Safety Messages in a Connected Vehicle Environment	Poster Session 831	Meng Zhang Asad Khattak	UTK
1/10/2018				Cancan Song	UCB

	10:15 AM - 12 PM	Determining the Optimal Location for Truck Escape Ramp in the Vicinity of Expressway Tunnels in Mountainous Areas	Poster Session 833	Zhongyin Guo Yajie Chen Offer Grembek	
1/10/2018	10:15 AM - 12 PM	Development and Evaluation of a Two-Stage Modeling Approach for Estimating Crash Frequency for Horizontal Curves on Two-Lane Rural Roads (18-06609)	Poster Session 834	Taha Saleem	UNC HSRC
1/10/2018	10:15 AM - 12 PM	What measures of driving volatilities best explain crash frequency at intersections?	Poster Session 834	Mohsen Kamrani Ramin Arvin Asad Khattak	UTK
1/10/2018	10:15 AM - 12 PM	Exploring Non-Linear dependencies in Correlates of Roadway Crashes: Applicatino of Generalized Additive & Piecewise Linear Count Data Models	Poster Session 834	Behram Wali Xiaobing Li Asad Khattak	UTK
1/10/2018	10:15 AM - 12 PM	A Framework to Process and Analyze Driver, Vehicle and Road infrastructure Volatilities in Real-time	Poster Session 834	Mohsen Kamrani Asad Khattak Tenglong Li	UTK
1/10/2018	2:30 PM - 4 PM	Millennials in Cities (18-03556)	Lectern Session 844	Noreen McDonald	UNC DCRP
1/10/2018	4:30 PM - 6 PM	Walkability in the Connected & Autonomous Vehicle Era: A U.S. Perspective on Research Needs	Lectern Session 871	Elizabeth Shay Asad Khattak Behram Wali	UTK
1/10/2018	4:30 PM - 6 PM	Analysis of Crashes Involving Pedestrians	Lectern Session 871	Meng Zhang Asad Khattak	UTK

		across the United States: Implications for Connected and Automated Vehicles		Elizabeth Shay	
1/10/2018	4:30 PM - 6 PM	Limitations in Detection Technologies for Automated Driving Systems and Implications for Pedestrian Safety (18-03947**)	Lectern Session 871	Laura Sandt	UNC HSRC
				Noreen McDonald	UNC DCRP