

2024 Road Safety & Simulation Conference Agenda

Date	Time	Session	#	Title	Authors	Room name	
10/28/2024	1:00 PM - 4:00 PM	Preconference Workshop		Driver Simulator Users Group		Bluegrass Room	
10/28/2024	1:00 PM - 4:00 PM	Preconference Workshop		Safety Performance Function Development		Magnolia Room	
10/28/2024	5:00 PM - 7:00 PM	Evening Reception with exhibitors				Magnolia Room	
		Registration desk open				Prefunction Area	
10/29/2024	8:30 AM - 9:30 AM	:30 AM - 9:30 AM		Nancy Albright, Commissioner of Environmental Quality and Public Works, Lexington-Fayette Urban County Government		Grand Ballroom	
		Keynote Speech		Jason Siwula, Deputy State Highway Engineer, Kentucky Transportation Cabinet			
10/29/2024	9:30 AM - 10:00 AM	Break				Prefunction Area	
10/29/2024	10:00 AM - 11:30 AM	Breakout sessions					
	10:00 AM - 11:30 AM	Series A Paper Presentation	138	Predicting Drowsy Driving in a Driving Simulator Using Intra- Individual Variability of Sleep	Benjamin McManus	Bluegrass Room	
			101	Study of the effect of psycho-attitudinal characteristics on drivers' behavior	Francesco Galante, Filomena Mauriello, Alfonso Montella, Mariano Pernettim, and Simone Fucito		
			57	Impaired driving-related crash severity analysis: Comparison of parametric & non-parametric models	Meghna Chakraborty, Sagar Keshari and Subhrajit Sinha		
		10:00 AM - 11:30 AM Series B Paper Presentation	34	Comparative Safety Analysis of Take-over Control Mechanisms of Conditionally Automated Vehicles	Arastoo Karimi Maskooni, Arash Hassani Barbin, Abrar Hazoor, Giuseppe Marinelli and Marco Bassani		
10/29/2024			44	Evaluation of Human Interaction with Autonomous Vehicles on Limited Access Highway Facilities	Cadell Chand, Hisham Jashami and David Hurwitz	Ballroom D	
			63	Safety and Operational Impacts of different Autonomous Vehicle Operations on Freeway Work Zones	Vamsi Krishna Maddineni, Melika Ansarinejad and Mohamed M Ahmed		
			70	Analysis of Factors Associated with the Frequency and Severity of Turning Vehicle-Bicycle Crashes at Signalized Intersections	Faria Raha, Brendan Russo, Anthony Eschen, Steven Gehrke and Edward Smaglik		
		Series C Paper Pro	Series C Paper Presentation	83	Modeling Vehicle–Pedestrian Interactions at Unsignalized Intersections	Hiba Nassereddine	Magnolia Room
			94	Leveraging Technology for Safer Roads for Vulnerable Road Users in South Africa	Ntombifuthi Ngobeni, Hlulani Nkuna, Koketso Bosilong, Boniswa Kwange, Andy Sejake and Busisiwe Marole		
10/29/2024	11:30 AM - 12:30 PM	Lunch				Grand Ballroom	

Series B Paper Presentation Series B Paper Presentation 122 Development and application of the stilling window screening included to the stilling window screening window screening included to the stilling window screening window screen	Date	Time	Session	#	Title	Authors	Room name					
Series A Paper Presentation Series B Paper Presentation Seri	10/29/2024	12:30pm-2:00pm	Breakout sessions									
Series A Paper Presentation 3 along Curves with Limited Available Sight Distance: A Driving Simulation Study 5 along Curves with Limited Available Sight Distance: A Driving Simulation Study 5 along Curves with Limited Available Sight Distance: A Driving Simulation Study 5 along Curves with Limited Available Sight Distance: A Driving Simulation of University Behavior On On and Leandro Di Stasi On and Leandro Di Stasi 1 2 bedepartment and application of the stiding window screening method on Virginials roadways. Empowering road safety practitioners in falligue management: In State Presentation 6 Series B Paper Presentation 7 Statety Potential Fields for Highway Driving Risk Assessment Considering Real-world Risk Perception 2 Series C Paper Presentation 8 Series C Paper Presentation 1 Series C Paper Presentation 2 Series C Paper Presentation 1 Series C Paper Presentation 2 Series C Paper Presentation 3 Multivorted Model of Road Crashes for Vulnerable Users 4 Series D Poster Presentation 5 Multivorted Model of Road Crashes for Vulnerable Users 4 Series D Poster Presentation 5 Series D Poster Presentation 1 Series D Poster Pres			Series A Paper Presentation	168		Alberto Figueroa-Medina, Didier Valdés-Díaz and Carol Perelló						
12 Development and application of the sliding window screening method on Virginia roadways.				30	along Curves with Limited Available Sight Distance: A Driving		Bluegrass Room					
Series B Paper Presentation 12 method on Virginian roadways: Empowering road safety practitioners in fatigue management: Informed development of a settl-directed learning resource 3 safety Potential Fields for Highway Driving Risk Assessment Considering Real-world Risk Perception 3 Modeling Motorcycle Crosh Frequency along Rural Mutitiane Segments in Kertucky 4 Mediting dispirate into Driventially Misclassified Crash Narratives using Sughesh Rhagat and Jonathan S. Wood Magnolia Ro 4 Unliceking Insights into Driver Institution: A Comprehensive Analysis of Fectors and Trends through Statistical and Big Data Analysis 4 Multivariate Model of Road Crashes for Vulnerable Users Association of Evaluation of Crash Potential of Highway Facilities Using Extreme Value Models Association of Elevated Concussive Symptoms on Driving Performance: A Comparison between Young Brivers with Mild Trumatic Brain lugy and Matched Healthy Controls Series D Poster Presentation 4 Series D Poster Presentation 4 Series D Poster Presentation 4 A New Piecewise Multinomial Eight Model of Crash Severity with Diard Accommodation of Unknown Inflection Points Triple Crown F Prediction Approach				51	_	-						
Series B Paper Presentation 189 Informed development of a self-directed learning resource 67 Safety Potential Fields for Highway Driving Risk Assessment Considering Real-world Risk Perception Nodeling Motorcycle Crash Frequency along Rural Multiline Segments in Kentucky 14 Identification of Potentialty Misclassified Crash Narratives using Machine Learning (ML) and Deep Learning (DL) Unlocking Insights into Driver Inattention: A Comprehensive Analysis of Factors and Trends through Statistical and Big Data Analysis 120 Multivariate Model of Road Crashs for Vulnerable Users 120 Multivariate Model of Road Crashs for Vulnerable Users 121 Association of Elevated Concussive Symptoms on Driving Association of Elevated Concussive Symptoms on Driving Association of Elevated Concussive Symptoms on Driving Ceptulation of Crash Potential of Highway Facilities Using Externer Value Models Association of Elevated Concussive Symptoms on Driving Association of Elevated Concussive Symptoms on Driving Ceptulation of Crash Potential of Highway Facilities Using Externer Value Models Association of Elevated Concussive Symptoms on Driving Cepturance: A Comparison between Young Drivers with Mild Triaumatic Brini Injury and Matchael Healthy Controls Association of Elevated Concussive Symptoms on Driving Cepturate Road Vary Symptoms on Driving Control Warner Va				12		Hyun Cho and Chien-Lun Lan						
10/29/2024 12:30 PM - 2:00 PM Series C Paper Presentation Series C Paper Presentation 12:30 PM - 2:00 PM 12:30 PM - 2:00 PM - 2:00 PM 12:30 PM - 2:00 PM - 2:0			Series B Paper Presentation	189	1	Ashleigh Filtness, Rachel Talbot and Evita Papazikou	Ballroom D					
Series C Paper Presentation 10/28/2024 12:30 PM - 2:00 PM 13:30 PM - 2:00 PM 14:30 PM - 2:00 PM 15:30 PM - 2:00 PM 15:30 PM - 2:00 PM 16:50 Poster Presentation 16:50 Poster Presentation 17:50 Performance: A Comparison between Young Drivers with Mild Traumatic Brain Injury and Matched Healthy Controls 18:50 Poster Presentation 18:50 Poster Presentation 19:50 Poster Presentation 10:50 Poster Prese				67		Dachuan Zuo, Zilin Bian, Fan Zuo and Kaan Ozbay						
Series C Paper Presentation 14 Machine Learning (ML) and Deep Learning (DL) Unlocking Insights into Driver Intatention: A Comprehensive Analysis of Factors and Trends through Statistical and Big Data Analysis 12:30 PM - 2:00 PM 13:40 PM - 2:00 PM 13:40 PM - 2:00 PM 14:40 PM - 2:00 PM 15:40 PM - 2:0				37		-						
10/29/2024 12:30 PM - 2:00 PM 13:30 PM - 2:00 PM 14:30 PM - 2:00 PM 15:30 PM - 2:0			Series C Paper Presentation	14		Sudesh Bhagat and Jonathan S. Wood	Magnolia Room					
123 PM - 2:00 PM 89 Evaluation of Crash Potential of Highway Facilities Using Extreme Value Models Association of Elevated Concussive Symptoms on Driving Performance: A Comparison between Young Drivers with Mild Traumatic Brain Injury and Matched Healthy Controls 89 Evaluation of Crash Potential of Highway Facilities Using Extreme Value Models 65 Ereformance: A Comparison between Young Drivers with Mild Traumatic Brain Injury and Matched Healthy Controls 73 Equitable Roadways: Analyzing Rural-Urban Road Safety in Nevada for Informed Strategic Planning Spatio-Temporal Analysis of Pedestrian-Vehicle Conflicts in Urban Intersections based on Trajectory Data 80 Evaluation of Crash Potential of Highway Facilities Using a Spatial Crash Perdiction Approach 81 Evaluation of Crash Potential of Highway Facilities Using a Spatial Crash Paxton, John Ivan and Kerry Marsh		12:30 PM - 2:00 PM		59	Analysis of Factors and Trends through Statistical and Big Data	Saquib Mohammed Haroon and Alyssa Ryan						
Extreme Value Models Association of Elevated Concussive Symptoms on Driving Performance: A Comparison between Young Drivers with Mild Traumatic Brain Injury and Matched Healthy Controls Pequitable Roadways: Analyzing Rural-Urban Road Safety in Nevada for Informed Strategic Planning Spatio-Temporal Analysis of Pedestrian-Vehicle Conflicts in Urban Intersections based on Trajectory Data A New Piecewise Multinomial Logit Model of Crash Severity with Accommodation of Unknown Inflection Points Assessing Roadway Safety Inequities Using a Spatial Crash Prediction Approach Di Yang, Zifeng Zhao, Kun Xie, Hong Yang, Mansoureh Jeihani and Tianyu Shen Olin Green, P. Adrian Frazier, Davis Chacon-Hurtado, Alexandra Paxton, John Ivan and Kerry Marsh	10/29/2024		Series D Poster Presentation 13 15 10	120	Multivariate Model of Road Crashes for Vulnerable Users	Jonathan Agüero-Valverde and Darío Vargas Aguilar						
Performance: A Comparison between Young Drivers with Mild Traumatic Brain Injury and Matched Healthy Controls Equitable Roadways: Analyzing Rural-Urban Road Safety in Nevada for Informed Strategic Planning Spatio-Temporal Analysis of Pedestrian-Vehicle Conflicts in Urban Intersections based on Trajectory Data A New Piecewise Multinomial Logit Model of Crash Severity with Accommodation of Unknown Inflection Points Assessing Roadway Safety Inequities Using a Spatial Crash Prediction Approach Wrabel, Junxin Shi, Andrea Underhill, Adeline Godsy, Benjamin McManus, Despina Stavrinos and Ginger Yang Khandaker Arafin Islam and Shashi Nambisan Khandaker Arafin Islam and Shashi Nambisan Qinyi Hu and Jaeyoung Lee Triple Crown Find Triple Crow				65	89		Ishant Bonde and Suvin P. Venthuruthiyil					
Series D Poster Presentation A New Piecewise Multinomial Logit Model of Crash Severity with Accommodation of Unknown Inflection Points Assessing Roadway Safety Inequities Using a Spatial Crash Prediction Approach Di Yang, Zifeng Zhao, Kun Xie, Hong Yang, Mansoureh Jeihani and Tianyu Shen Olin Green, P. Adrian Frazier, Davis Chacon-Hurtado, Alexandra Paxton, John Ivan and Kerry Marsh									65	Performance: A Comparison between Young Drivers with Mild	Wrabel, Junxin Shi, Andrea Underhill, Adeline Godsy, Benjamin	
Series D Poster Presentation A New Piecewise Multinomial Logit Model of Crash Severity with Accommodation of Unknown Inflection Points Assessing Roadway Safety Inequities Using a Spatial Crash Paxton, John Ivan and Kerry Marsh Triple Crown R Di Yang, Zifeng Zhao, Kun Xie, Hong Yang, Mansoureh Jeihani and Tianyu Shen Olin Green, P. Adrian Frazier, Davis Chacon-Hurtado, Alexandra Paxton, John Ivan and Kerry Marsh					73		Khandaker Arafin Islam and Shashi Nambisan					
Accommodation of Unknown Inflection Points Tianyu Shen Assessing Roadway Safety Inequities Using a Spatial Crash Prediction Approach Olin Green, P. Adrian Frazier, Davis Chacon-Hurtado, Alexandra Paxton, John Ivan and Kerry Marsh				134	1	Qinyi Hu and Jaeyoung Lee	Triple Crown Room					
Prediction Approach Paxton, John Ivan and Kerry Marsh				1 32 1	1							
Exploiting Explainable Machine Learning Models to Reveal Saumik Sakib Bin Masud. Sevedeh Mahgam Tabatabaei Tour and				156								
105 Critical Factors in Fatal Crashes across Pre-COVID, COVID, and Post-COVID Periods Alexandra Kondyli				105	Critical Factors in Fatal Crashes across Pre-COVID, COVID, and	Saumik Sakib Bin Masud, Seyedeh Mahgam Tabatabaei Tour and Alexandra Kondyli						
Discrepancies in AV Work Zone Mapping: Analyzing Design vs. As-Vaishnavi Wagh, Sean Brennan built Coordinates and Their Impact on Safety					170		-Vaishnavi Wagh, Sean Brennan					
10/29/2024 2:00 PM - 2:30 PM Break / Posters Prefunction A	10/29/2024	2:00 PM - 2:30 PM	Break / Posters				Prefunction Area/					

Date	Time	Session	#	Title	Authors	Room name
10/29/2024	2:30pm-4:00pm	Breakout sessions				
			46	Traffic organization design method for highway weaving area based on driving simulation experiment and traffic simulation experiment	Tianxiao Liang, Zhongyin Guo and Cancan Song	
		Series A Paper Presentation	25	Drivers' Hazard Avoidance Behaviors when using ADAS: An Observational Simulator Study	Ganesh Pai and Anuj Pradhan	Bluegrass Room
	2:30 PM - 4:00 PM		139	Estimating a Crash Modification Factor for Forward Collision Warning Systems in the Vehicle Fleet: A Driving Simulation Study	Oluwaseun Olufowobi, John Ivan, Kai Wang and Naveen Eluru	
		Series B Paper Presentation	17	Investigating Distracted Driving Crashes in Kentucky Pre- and Post-COVID-19 Pandemic	Arunabha Banerjee, William Pemberton, Tyaha Woodard, Benjamin McElroy, Bharat Pathivada and Kirolos Haleem	
10/29/2024			135	An Exploratory Analysis of Fatal Vehicle Crashes in Urban and Rural Kansas in Relationship to Identified Golden Hour Gaps in Hospital Coverage	Mason Lipford, Grace Lipford, Gregory Newmark and Eric Fitzsimmons	Ballroom D
			31	Examining the Risk of Near Misses for Light Rail Transit Using a Bivariate Zero-Inflated Poisson Model	Yung-Hsiang Cheng, Chiang Fu, Kuan-Teng Lin and Heng-Fu Wang	
		Series C Paper Presentation 74 97	49	Who should yield at uncontrolled intersections? Improving safety using temporary signs	Kirti Mahajan, Saumik Sakib Bin, Grace Savoie and Alexandra Kondyli	
			74	A Study on Effect of Information from Navigation System on Driving Behavior	Mio Suzuki	Magnolia Room
			97	Driver perception of fluorescent signage	Keolebogile Koketso Juleen Bosilong, Tshegofatso Mongae, Karien Venter, Tebogo Matsaung and Busisiwe Marole	
10/29/2024	4:30 PM - 9:00 PM	Kentucky Horse Park				

Date	Time	Session	#	Title	Authors	Room name							
10/30/2024	8:00 AM - 9:30 AM	Breakout sessions											
			111	Applying model-based recursive partitioning to improve pedestrian exposure models to support transportation safety	Jakob Wiegand and Vikash Gayah								
		Series A Paper Presentation	152	Factors Contributing to Drivers' Speeding Behavior: A Study of School Zones	Rahul Raoniar and Vedagiri Perumal	Bluegrass Room							
			86	Predicting Motorcycle Crash Injury Severity in Utah: Utilizing Machine Learning Methods	Isaac Baah, Milan Zlatkovic and Mohamed Ahmed								
			129	MODELING THE EFFECTS OF DRIVE ERROR AND IMPAIRMENT ON CRASH INJURY SEVERITY	Mohammad Razaur Rahman Shaon, Xiao Qin and Eric Jackson								
		Series B Paper Presentation	173	Enhancement of Variable Speed Limit with Physics-Based Vehicle-Road Safety Simulation	Xiaoyu Zhang and Hao Wang	Ballroom D							
			112	Examining the Takeover Process for Senior Drivers in Conditionally Automated Vehicles	Wen Ding, Yovela Murzello, Siby Samuel and Shi Cao								
			75	A New Approach for Safety Calibration of Stochastic Traffic Simulation Models by Integrating of Crash Data	Di Sha, Chuan Xu, Yu Tang, Fan Zuo, Jingqin Gao and Kaan Ozbay								
		Series C Paper Presentation	188	A Simulation Study on Traffic Conflict Risk under Shockwave Propagation at Signalized Intersection	Junqing Wang, Hong Yang, Yuan Zhu, Zizheng Yan and Kun Xie	Magnolia Room							
			186	Evaluating Urban Intersections: A Comparative Study of Roundabouts Versus Protected U-Turns – Which is Better?	Nawaf Alnawmasi, Hisham Jashami and Qiuqi Cai								
		Series D Poster Presentation 1											
10/30/2024	8:00 AM - 9:30 AM		Series D Poster Presentation 1		53	Associations between symptom severity and driving performance following mild traumatic brain injury in young drivers: A simulator study	Fangda Zhang, Christopher Rundus, Thomas Kerwin, Cameron Wrabel, Junxin Shi, Benjamin McManus, Adeline Godsy, Andrea Underhill, Despina Stavrinos and Jingzhen Yang						
											60	: Examining Memory and Simulated Driving Acutely Post-Mild Traumatic Brain Injury	Adeline Godsy, Benjamin Mcmanus, Andrea Underhill, Christopher Rundus, Fangda Zhang, Thomas Kerwin, Cameron Wrabel, Ginger Yang and Despina Stavrinos
				162	Decoding the Tapestry of Road Safety: A Comprehensive Exploration of Safety Restraints, Seat Positions, and Collision	Muthumari Anbumani and Srinivas S. Pulugurtha	Triple Crown Room						
				193	Drivers' Education through eLearning and Exposure: An Opportunity to Increase Acceptance of Connected and Automated Vehicles	Sarah El-Dabaja; Bhaven Naik; Bernard Ndeogo Issifu; Deborah S. McAvoy; Deogratias Eustace							
				1	19	Influence of In-Car Touchscreens on Driver Performance: A Simulator-Based Study Examining Driver Behaviour in Distracted Conditions.	Giuseppe Marinelli, Abrar Hazoor and Ozlem Simsekoglu						
			88	Driving simulator for driving education: can Mixed Reality do it?	Helen Loeb, Jaime Hernandez, Benjamin Loeb and Rahul Mangharam								
			122	Effects of Auditory and Visual Warnings on Bicycle Safety at Intersections	Ismet Goksad Erdagi and Aleksandar Stevanovic								
				Motorcycle crash risk and risk-taking behaviors: an analysis for Costa Rica	Jonathan Agüero-Valverde, Darío Vargas Aguilar and Jessica Alvarez-Lopez								
				68	Navigating the Road to Safety: The Role of Automated Enforcement in Metro Phoenix Region	Sushmita Bhandari, Alyssa Ryan, Henrick Haule and Yao-Jan Wu							

Date	Time	Session	#	Title	Authors	Room name	
10/30/2024	10:00 AM - 12:00 PM	Panel Discussion			Sarah Weissman Pascual, Dr. Srinivasan Raghaven, Dr. Frank Gross and Dr. Caitlin Northcutt	Grand Ballroom	
10/30/2024	12:00 PM - 1:00 PM	Lunch				Grand Ballroom	
10/30/2024	1:00pm-2:30pm	Breakout sessions					
		Series A Paper Presentation	115 103 42	A.I. Automated Solution for Hazard Annotation and Eye Tracking in a Simulated Environment Open source head and face estimation as a complement to commercial eye-tracking WeBikes: A configurable, open source add-on for simulating single-track vehicle dynamics in the Webots robot simulation	Piyush Pawar, Benjamin McManus, Thomas Anthony, Ginger Yang, Thomas Kerwin and Despina Stavrinos Chris Schwarz and John Gaspar Wenjia Li, Paris Francis, Robert McClosky and Alexander Brown	Bluegrass Room	
			66	software Improving Work Zone Safety in the Era of Connected and Autonomous Vehicles: Co-Simulation-VR Platform Integrating CARLA, SUMO, and VR for Capturing Safety related Interactions	Shuo Zhang, Semiha Ergan, Fan Zuo and Kaan Ozbay		
	1:00 PM - 2:30 PM	Series B Paper Presentation	Series B Paper Presentation	128 163	Pedestrian's Perspective on Interacting with Connected Autonomous Vehicles (CAV) Virtual Reality Simulation of Pedestrian Crossings at Channelized Right-turn Lanes in Urban Unsignalized	Saki Rezwana, Mohammad Razaur Rahman Shaon, Nicholas Lownes and Eric Jackson Alberto Figueroa-Medina, Didier Valdés-Díaz, Andres David Chamorro-Parejo and Natacha Cardona-Rodríguez	Ballroom D
10/30/2024		Series C Paper Presentation PM - 2:30 PM Series D Poster Presentation		Intersections Exploring the Impact of Traffic Calming on Public Health, Travel Investigating surrogate safety measure's threshold consistency	Fotios Magkafas, Grigorios Fountas, Panagiotis Anastasopoulos K. Sukhanya, R. Nair Shilpa and B. K. Bhavathrathan		
			24	on different types of curves Surrogate Safety Evaluation of Incorrect Pedestrian Detection at Signalized Intersections	Slavica Gavric and Aleksandar Stevanovic	Magnolia Room	
			179 150	A Unified Framework for Calculation of Surrogate Safety Metrics Facilitating the conversation: Fatigue countermeasure for autonomous shuttle operations	Marcus Putz and Sean Brennan Ashleigh Filtness, Rachel Talbot, Anna Sjörs Dahlman, Christer Ahlstrom and Anna Anund		
			183	183	Analysis of potential safety benefits resulting from different automation levels and penetration rates of automated vehicles: a case study in the Netherlands.	Dimitra Michalaka, Amna Chaudhry and Eleonora Papadimitriou	
				Extrinsic Calibration of 3D LiDAR Using Sphere Targets and Unintended Consequences: Changes in Driver Behavior Associated with the Adoption of Advanced Driver Assistance	Xinyu Cao and Sean Brannan Nischal Gupta and Peter Savolainen		
			161	Systems Hard Braking Collected from Probe Vehicles as a Predictor of	Quinn Packer, John Ivan and Monika Filipovska	Triple Crown Room	
				Crash Occurrence at Urban Intersections in Connecticut			
			164	Unveiling Travel Patterns with the Next-Generation Passive Mobile Origin and Destination (OD) Data from the National Household Travel Survey	Muthumari Anbumani and Srinivas S. Pulugurtha		
			13	A systemic evaluation of wrong way driving crashes and countermeasures on Virginia's roads	Hyun Cho, Erin Robartes and Benjamin Cottrell		

Date	Time	Session	#	Title	Authors	Room name
10/30/2024	2:30 PM - 3:00 PM	Break / Posters				Prefunction Area/
10/30/2024	3:00pm-4:30pm	Breakout sessions				
			11	Developing Equity-Aware Safety Performance Functions for Identifying Hotspots of Pedestrian Crashes	Guocong Zhai, Kun Xie, Di Yang and Hong Yang	
		Series A Paper Presentation	124	Development of Crash Modification Factors for Median Cable Barriers Installed on Freeways in Ohio	Deogratias Eustace, Mohammad Almothaffar, Peter Hovey and Fayezeh Samandi	Bluegrass Room
	3:00 PM - 4:30 PM		77	Goodness of Fit Tests for Safety Performance Function Development and Calibration	Bekir Bartin and Kaan Ozbay	
		Series B Paper Presentation 10 Series C Paper Presentation 4:30 PM Series C Paper Presentation 4:30 PM	71	Pipeline for fast Digital Twin development and integration in Driving Simulation	Zhanqian Wu, Luying Zhang, Jaime Hernandez, Chase Leibowitz, Helen Loeb, Xiaoxia Dong, Erick Guerra and Rahul Mangharam	
10/30/2024			33	Safety Margin Assessment between Impending Skid Conditions and Aquaplaning during Vehicle Motion on Curved Road Sections	Stergios Mavromatis, Kiriakos Amiridis, Antonis Kontizas, Antonis Trakakis and Vassilis Matragos	Ballroom D
10/30/2024			106	Network-Level Pavement Treatment Prioritization based on Safety Evaluation and Friction Demand Analysis	Run Hu, Ramez Hajj, Erwin Kohler, Yanfeng Ouyang, Priscilla Tobias and Hao Wang	
			81	When Language and Vision Meet Road Safety: Leveraging Multimodal Foundation Models to Assist in Accident Analysis	Ruixuan Zhang, Juexiao Zhang, Zilin Bian, Chen Feng and Kaan Ozbay	
			41	Reinforcement learning-based optimal control of alert systems to mitigate alarm fatigue for roadway worker safety	Daniel Lu and Semiha Ergan	Magnolia Room
			54	REVOLUTIONIZING SAFETY ASSESSMENT AT SIGNALIZED INTERSECTIONS: AN IN-DEPTH EXPLORATION OF ROAD USERS' DETECTION COMPUTER VISION ALGORITHMS	Ahmed Mohamed Ahmed	

Date	Time	Session	#	Title	Authors	Room name										
10/31/2024	8:00am-9:30am	Breakout sessions														
			16	biomarkers in simulated driving trials	Andrea Giorgi, Manuel Picardi, Vincenzo Ronca, Simone Sportiello, Marco Petrelli, Carlo Polidori, Marteyn van Gasteren, Arnab Barua, Mobyen Uddin Ahmed, Fabio Babiloni and Gianluca Di Flumeri											
		Series A Paper Presentation	69	Analyzing the Safety and Operational Dynamics of a Freeway	Melika Ansarinejad and Mohamed M. Ahmed	Bluegrass Room										
		Series B Paper Presentation	38 200 157	Surrogate Safety Evaluation of a Multimodal Combined Alternate- Direction Lane Assignment and Reservation-Based Intersection A Beginner's First Steps Into Using Machine Learning In Research Examining Crash Narratives Merging Multi-antenna GPS Data for Vehicle Pose Estimation		Ballroom D										
10/31/2024	10/31/2024 8:00 AM - 9:30 AM	Series C Paper Presentation	191 201 127	Analyses and Reconstructions of Collision Scenarios for Class 8, Long-Haul Trucks Systemic Approach to Regional Safety Action Plans Motorcycle Riding Behavior in Pakistan and Effects on Crashes and Violations	Jeffrey Wishart, Yan Chen and Monish Dev Sudhakhar Adam Kirk Amjad Pervez and Jaeyoung Jae Lee	Magnolia Room										
					76 21 47	Estimating Road Elevation Profile Using Publicly Available LiDAR Data Before and After Evaluations of Virginia's First two Continuous Flow Intersections A Recruited Participant Study of Pedestrian Infrastructure	Bekir Bartin, Mojibulrahman Jami and Kaan Ozbay Wei Zhang Amy Wyman, Hisham Jashami and David Hurwitz									
		Series D Poster Presentation			Series D Poster Presentation	Series D Poster Presenta	Series D Poster Presentation		10		Series D Poster Presentation	Series D Poster Presentation	113	An Integrated Field Testing and Numerical Modeling of Sole Geothermal-based Pavements: A Promising Sustainable Impact of Retroreflective Backplates and Flashing Yellow Arrows on Distraction-Related Crashes in Kentucky	Amin Mohammadzadeh, Omid Ghasemi-Fare and Zhihui Sun Arunabha Banerjee, Tyaha Woodward, Bharat Pathivada, Dylan Justice and Kirolos Haleem	Triple Crown Room
		159	40 87 159	Zooming In and Out with Big Data for Road Safety: Continuous Pavement Friction in Safety Analysis Unveiling Crash Causation through Data-Driven Strategies for Ohio Work Zone Safety Proactive Assessment of the Crash Potential of Signalized Intersection Assessing the Safety Effectiveness of Roundabouts in the State	Isaac Briskin and Ryland Potter Isaac Baah and Mohamed Ahmed Vedant Bhamare, Ishant Bonde and Suvin P. Venthuruthiyil Tathagatha Khan, Bharat Pathivada, Kirolos Haleem and											
			0	of Kentucky	Arunabha Banerjee											

Date	Time	Session	#	Title	Authors	Room name
10/31/2024	9:30 AM - 10:00 AM	Break				Prefunction Area
10/31/2024	10:00am-11:30am	Breakout sessions				
			20	Exploring Freeway Traffic Accident Duration by the Latent Class Accelerated Hazard Model with Heteroskedasticity effect	Fu Chiang, Rui-Zhe Yeh, Yen-Hsu Chen and Yuan-Sheng Chen	Bluegrass Room
		Series A Paper Presentation	27	Using Severity-Weighted Risk Scores for Data-Driven Safety Analysis	Grant Schultz, Tomas Barriga Aristizabal, Jace Ritchie and Richard Warr	
	10:00 AM - 11:30 AM		141	Investigating the influence of socioeconomic and demographic factors on the relationships between road characteristics and traffic crash severity	Mahsa Jafari and Bhagwant Persaud	
10/31/2024		Series B Paper Presentation Series C Paper Presentation	176	Data-Driven High Friction Surface Treatment Applications for Roadway Safety	Austin Obenauf and Mike Vaughn	
			18	Assessing Safety and Operational Performance of Complete Streets Projects	Eirini Stavropoulou, Nikiforos Stamatiadis, Reginald Souleyrette, Teng Wang and William Staats	Ballroom D
			187	Evaluating the External Human-Machine Interface of Autonomous Vehicles on Pedestrian Safety at Mid-Block Crossings: A Virtual Reality-Enabled Simulation Study	Zizheng Yan, Hong Yang and Junqing Wang	
			202	Texas Turnaround: 4th Street Ramp Traffic and Safety Improvement Project	Wei Zhang and Scott Himes	Magnolia Room
			55	Interchange Safety Comparison Tool	Graham Winchester and Len Harper	τιαξιιστία ποσπ
			0			
10/31/2024	11:45 AM - 1:30 PM	Lunch				Grand Ballroom
10/31/2024	11.40 Mil - 1.00 Fil	Awards				Oralla Dalli Oolii
		Closing Ceremony				