



38th ICTCT Conference 2026 — Zagreb, Croatia — Draft Programme



DAY 1 — Thursday, 22 October 2026

08:30-09:00	Registration																	
09:00-09:15	Welcome speeches — Hall "Market"																	
09:15-10:15	KEYNOTE 1 — Cristina Olaverri-Monreal (JKU Linz): "Safer Roads: Integrating Human Behaviour, Automation, and Data-Driven Systems" — Hall "Market"; Chair: Stijn Daniels (KU Leuven)																	
10:15-10:30	Coffee break — rooms split into Market 1 / Market 2 / Next Level																	
10:30-11:30	Oral Session 1A – Market 1						Oral Session 1B – Market 2						Oral Session 1C – Next Level					
	Topic: AI in road safety; Chair: Dario Babic (University of Zagreb)						Topic: Driving Simulations; Chair: Attila Borsos (University of Győr)						Topic: Driving Simulations; Chair: Giuseppina Pappalardo (University of Catania)					
	1	24	Automatic Detection of Geometric Anomalies in Speed Humps Using Machine Learning on Vehicle Dynamics Dana				1	7	Improving Young Novice Drivers' Hazard Anticipation Skills: Simulator and Questionnaire Evaluations of the impacts of Driver Training over time				1	29	Enhancing Safety on Mountainous Roads Using Delineation and Perceptual Countermeasures: A Driving Simulator Study			
	2	25	EU-Balkan Road Safety and ITS Benchmarking and Exchange of Best Practices				2	12	Cycling Infrastructure at Permissive Signalized Intersections: A Simulator Study on Objective and Subjective Safety of Cyclists and Drivers				2	30	Objective and subjective safety at urban signalized intersections: A simulator study on effects of infrastructure and traffic signal control for car drivers and cyclists			
	3	41	Recognizing Cyclists' Signals: What Automated Systems can learn from Human Perception				3	22	Effects of Bicycle Infrastructure on Cyclists' Experience and Behaviour in Roundabouts				3	48	Behavioural Effects of a Bicycle-Mounted Collision Warning Device at a Simulated Intersection with Limited Sight Distance			
4	43	AI Based Road Safety Management Platform for Network Level Decision Support on Spain's Conventional Road Network				4	23	Safety of driver-pedestrian interactions along urban frontage roads with shared lanes				4	58	The Effect of Alcohol Impairment on Visual Attention During Critical Events in Road Safety				
11:30-11:45	Coffee break																	
11:45-12:45	Oral Session 2A – Market 1						Oral Session 2B – Market 2						Oral Session 2C – Next Level					
	Topic: Driving Simulations; Chair: Ali Pirdavani (Hasselt University)						Topic: Safety data processing; Chair: Clemens Kaufmann (Factum)						Topic: Human Factors, Pedestrians, and Drivers; Chair: Aliaksei Lareshyn (Lund University)					
	1	69	Drivers' Trust in Proactive V2I Warning Systems at Complex Urban Intersections: A Driving Simulator Study				1	5	Gender differences in intention to use shared micromobility (SMM)				1	21	Threading the needle: A study into gap acceptance for car-cyclist interactions			
	2	79	Evaluating Low-Cost Safety Interventions in School Zones: A Driving Simulator Study				2	16	Crowdsourced Pavement Intelligence for Safer Urban Cycling Infrastructure: Platform Development and Pre-Pilot Evaluation within the CAMBER Project				2	26	Highly automated vehicles' implicitly and explicitly communicated intents to interact with pedestrians and pedestrians' appraisals across different cultures – Is universal design of these interfaces appropriate, and what should be taken into account?			
	3	82	How Safe Are Takeover Control Mechanisms in Conditionally Automated Vehicles under Distracted Conditions?				3	28	Introducing a Drone-based, Synthetic Road-user Trajectory Simulation for Road Safety Analysis				3	32	Why Do Road Users Break the Rules? Motivations Behind Cycling-Related Traffic Violations			
4	86	Participation for School Travel Safety using Bicycle Simulators with Drone based Photogrammetry Models				4	31	Prevalence of Rule Violations by and Against Cyclists: A Comparison of Self-Reported and Crash Data				4	39	Confident but vulnerable: Insights on young motorcyclists' decision-making and riding behaviour				
12:45-13:00	Group picture																	
13:00-14:00	Lunch																	
14:00-15:15	Poster Session 3A – Market 1						Poster Session 3B – Market 2						Special Session – Next Level					
	Topic: SMOs / Safety Analysis						Topic: AI in road safety & Driving Simulations						Topic: Centre of Excellence for Road Traffic Safety (CERTS) at Faculty of Transport and Traffic Sciences, University of Zagreb					
	1	33	Assessing the Potential of Small Open Vision-Language Models for Traffic Conflict Criticality Assessment: A Comparative Study of Unprotected Left-Turn Interactions with Oncoming Traffic				1	36	Capturing Cyclists' Driving Errors – privacy-compliant methods, insights, and infrastructure approaches concerning AI				1	Željko Šarić (CERTS)	Centre of Excellence for Road Traffic Safety (CERTS): vision, governance structure and CERTS laboratories			
	2	37	Analysis of crashes using detailed exposure data: A Case Study of the city of Braunschweig				2	59	Know What You Ask – Evaluating LLM-Assisted Decision Support for Road Safety Practitioners				2	Dejanović Škvarić (CERTS)	Presentation of the project "Professionalisation of the Centre of Excellence for Road Traffic Safety"			
	3	38	Analyses of automatically-generated data on e-scooter behaviours to characterize the safety level of urban sites and estimate safety-related interventions				3	90	Understanding the Relationship Between Modal Split and Road Safety: A Machine Learning Approach				3	Dario Babić (CERTS)	Presentation of Horizon Europe TWIN-SAFE project "Advancing Road Safety Through Twinning"			
4	4	Investigating the hybrid approach of anomaly detection and EVT for conflict-based crash estimation with safety hierarchy variations				4	57	Driver Gaze Allocation on Mountainous Roads: A Dynamic Area-of-Interest-Based Eye-Tracking Analysis										

	5	54	Cycling Safety in One-Way Streets: Insights from OSM and Crash Data	5	15	What makes a bicycle simulator valid for experimental research - a state-of-the-art review			
	6	65	Disentangling the relationship between driving speed, road infrastructure and traffic safety						
	7	9	Safe Speed for Roads with Mixed Cars and Motorbikes						
15:15-15:30	Coffee break								
15:30-16:30	Poster Session 4A – Market 1			Poster Session 4B – Market 2			Special Session – Next Level		
	Topic: Human Factors, Pedestrians, and Drivers			Topic: Infrastructure Safety			Topic: From Research to Impact — Knowledge Centre and the DIGIT Project		
	1	71	RoadBehave: Monitoring Multi-User Riding Behavior	1	3	Cycling the edge: state-of-the-art review on hard shoulder cycling practices across EU and USA	1	To be defined	To be defined
	2	85	Walking behaviour and fear one year after a pedestrian fall or pedestrian-vehicle collision	2	53	Perceived safety of edge elements in micromobility infrastructure	2	To be defined	To be defined
	3	17	Real Eyes, Realize, Real Lives: Do Smart Crossings Actually Guide Driver Attention?	3	89	Platform work by bicycle: Road safety of delivery riders in Germany	3	To be defined	To be defined
	4	99	Medical Insight into Micromobility Related Accidents in Relation with Urban Network Topographies	4	64	Accounting for temporal variations of driving speed	4	To be defined	To be defined
	5	52	Trajectory analysis of micromobility users in horizontal curves	5	68	Spatial Distribution of Traffic Accidents Across Modal Interactions in Zagreb, Croatia			
	6	10	The Turkish adaptation of the Cycling Anger Expression Inventory (CAX) and its associations with cycling behavior and risk perception	6	72	Nighttime visibility of pedestrian crossings: field evaluation of road marking materials and glass beads			
	7	66	Pedestrian Falls and Collisions: Preliminary Findings from a Norwegian Injury Registration Study						
	8	13	Why do drivers misidentify whether their vehicles have ADAS?						
19:00-23:30	Conference dinner - Restaurant Lobby (Ul. Ivana Lučića 2, Zagreb) - 7 min by foot from Hotel International								

DAY 2 — Friday, 23 October 2026

08:30-09:15		Registration & Coffee																
9:15-10:30	Poster Session 6A – Market 1						Poster Session 6B – Market 2						Poster Session 6C – Next Level					
	Topic: Safety applications & measures						Topic: Safety applications & measures						Topic: Safety applications & measures					
	1	27	Understanding behavioural factors contributing to risky riding among motorcycle taxi riders in Kampala, Uganda.				1	18	Black Box on Two Wheels: ABIDA as a Multimodal Platform for Cyclist Behaviour and Physiological Monitoring				1	56	COVID-19 effects on road safety and driving behaviours			
	2	46	How Accessible Are Inclined Walkways? Evidence from Mobility Aid Users' Experiences and Field Observations				2	47	How Steep Is Too Steep? Experimental Evidence on the Usability of Inclined Walkways for Mobility Aid Users				2	60	Professional Learning and Identity Construction Among Heavy- Vehicle Driving Teacher Students			
	3	6	Psychological quality of urban public space: towards a methodology to evaluate inclusive and resilient urban environments				3	74	Systematic Review of speed evaluation and monitoring methods for road safety: a decade of research				3	73	Temperament Behind The Wheel: A Psychological Analysis Of Personality And Driving Behaviour In Urban Traffic Contexts			
	4	49	Trust and perceived safety in shared automated vehicles: User experiences from a public transport pilot in Oslo				4	96	Spatial Analysis of Cyclist-Related Road Accidents in Urban area				4	101	Crash Frequency Modelling for Italian Road Tunnels			
	5	78	A Study on Driving Behavior Characteristics of MCI drivers on Public Roads				5	80	Legal awareness and non-compliance in e-scooter riding surfaces: evidence from Slovenia				5	100	Development of a Novel Wearable Instrumentation System for Micromobility Studies			
	6	14	Cycling in Türkiye: Gendered Use Patterns, Risks, Interactions, and Perceived Stigma				6	81	Validation of Point Cloud of Active Road Users LIDAR Tracking Data for Road Safety Assessment				6	42	The role of microscopic traffic flow simulation in defining the scope of application for multi-purpose lanes (2-1 road): the case of the "MehrzweckSicher" project.			
7	95	Identification of Intersection Influence Zones for Cyclists at Unsignalised Intersections Using Instrumented Bicycle Data				7	1	Behavioral adaptation to automated speed enforcement: a study using naturalistic smartphone-based data from car drivers and motorcyclists				7	20	Between Feeling and Reason: A Scoping Review of Questionnaire-Based Measurements of Traffic Risk Perception				
10:30-11:00		Coffee break																
11:00-12:00	Oral Session 9A – Market 1						Oral Session 9B – Market 2						Oral Session 9C – Next Level					
	Topic: Safety applications & measures; Chair: Attila Borsos (University of Győr)						Topic: Safety data processing; Chair: Stijn Daniels (KU Leuven)						Topic: Driving Simulations; Chair: Dario Babic (University of Zagreb)					
	1	45	Can Able-Bodied Participants Serve as Proxies for Mobility Aid Users in Laboratory Studies of Inclined Walkways?				1	76	A Conflict-Based Diagnostic Framework for Signalized Intersections Integrating Conflict Characteristics and Signal Phases				1	88	Salience, Effort and Expectancy at Intersections: How Infrastructure Design Affects Driver Perception of Cyclists			
	2	61	Age-Related Differences in Road Crash Characteristics: Evidence from Slovenia				2	84	Cyclist and pedestrian self-reported accidents – patterns and prevention efforts				2	97	How In-Vehicle Tablet Interface Design Influences Driver Eyes-Off-Road Behavior: Eye-Tracking AOI Analysis in Simulation			
	3	55	An evaluation study of the safety effects of an advanced training course for motorcycle riders				3	94	Video-Based Analysis of Crossing Behavior of Pedestrians with Assisting and Walking Devices at a Signalized Intersection				3	40	Driver Acceleration–Deceleration Behavior on Mountainous Roads: A Comparative Analysis of Daytime and Nighttime Driving			
4	62	Acceptance of road safety measures across citizens, professionals, and politicians				4	77	E-bike rider speed behaviour in non-motorised shared spaces: a naturalistic study										
12:00-13:00		Lunch																
13:00-14:00		KEYNOTE 2 — Oscar Oviedo-Trespalacios (TU Delft): "Ethical and privacy issues in road safety in the age of AI" — Hall "Market"; Chair: Anja Katharina Huemer (Universität der Bundeswehr München)																
14:00-14:15		Coffee break																
14:15-15:15	Oral Session 8A – Market 1						Oral Session 8B – Market 2						Oral Session 8C – Next Level					
	Topic: Human Factors, Pedestrians, and Drivers; Chair: Anton Pashkevich (Politechnika Krakowska)						Topic: SMOs / Safety Analysis; Chair: Aliaksei Laureshyn (Lund University)						Topic: Infrastructure Safety; Chair: Darko Babic (University of Zagreb)					
	1	44	Pedestrian behavior at the crosswalk and their interaction with an automated vehicle: a full-scale experiment				1	50	Conflict Analysis in Urban School Zones using Surrogate Safety Measures				1	19	Assessment of Subjective Safety and Comfort in Cycling: Development and Validation of the SuSyCo Scale			
	2	51	Gender differences in speed behaviour on horizontal curves in micromobility infrastructure				2	67	Perceived Traffic Safety in Urban Areas: Implications for Low- and Middle-Income Countries				2	75	Behavioural Responses to a Light Rail Crossing Warning System: Qualitative Insights from Helsinki			
	3	63	Comparative Analysis of Adaptive Cruise Control Performance Across Vehicle Brands				3	87	Applicability of TTC and PET for Pedestrian–Vehicle Interactions: Conflict Analysis Using Extreme Value Theory				3	83	Lane change behaviour at turbo roundabouts with markings for lane delineation			
4	91	Training and driving test outcomes among accompanied driving candidates				4	35	Beyond Compliance: Subjective Legitimacy of Traffic Rule Violations Involving Cyclists and Drivers										
15:15-15:45		Closing session & Announcement ICTCT 2027 — Market 1																