



PRELIMINARY PROGRAM DDI 2026
Gothenburg, Sweden

TUESDAY 20 OCTOBER

Room/Time	TESLA	
08:30-10.15	Pre-conference workshop #1: <u>Approaches to Supporting Driver Attention</u> <i>(Pre-booking required)</i>	
Room/Time	TESLA	
10.30-12.00	Pre-conference workshop #2: <u>How to prospectively assess the safety impact of HMIs and DMS-based safety systems</u> <i>(Pre-booking required)</i>	
Room/Time	PASCAL	
12.00-13.00	Registration, networking & coffee	
Room/Time	PASCAL	
13.00-13.15	Welcome from the Organizing Committee Conference overview & practical information	
Room/Time	PASCAL	
13.15-14.05	Keynote #1 <u>Euro NCAP Driver Monitoring Framework for 2029</u> <i>Adriano Palao, Technical Manager for ADAS and Automated Driving at Euro NCAP</i>	
Room/Time	PASCAL	TESLA
14.10-15.30	Parallel sessions 1 & 2	
	Session 1 - HMI design and evaluation	Session 2 - Mind wandering, event boundaries and residual attention
	<u>Designing Low-Distraction Vehicle Controls: Modality Selection and Interface Design Aspects</u> <i>Karsten Klaffer</i> <u>Layout-dependent effects of visual information quantities in in-vehicle information systems</u> <i>Isabel Mötsch</i> <u>RealCarSIM: A new approach for the user testing of in-vehicle applications</u> <i>Barbara Metz</i> <u>Counting the Cost: Validating Discrete Driver-IVIS Interaction Count as a Practical, Equipment-Free Index of In-Vehicle Infotainment System Distraction</u> <i>Angus McKerral</i>	<u>Please talk to me - a systematic review of secondary tasks while driving</u> <i>Mark Vollrath</i> <u>Driver distraction at roadway event boundaries: a simulator investigation within an event segmentation framework</u> <i>Avinoam Borowsky</i> <u>Hands on the wheel, head in the clouds? Mind-Wandering Signatures in Simulated Manual Driving</u> <i>Séverine Brelaud</i> <u>The impact of non-driving related task engagement on the attentional processing of a novel unexpected auditory information</u> <i>Yannick Lavril</i>

TUESDAY 20 OCTOBER

15.30-16.00	Coffee & networking	
	Parallell sessions 3 & 4	
Room/Time	PASCAL	TESLA
	Session 3 - Visual attention beyond fixation	Session 4 - Advances in driver state monitoring (3)
16.00-17.20	<u>Beyond Fixation: A Systematic Review of Peripheral Vision Use in Driving</u> <i>Victor Meulenkamp</i>	<u>"What Does the Car Know?"</u> <u>Mapping Mental Models of Driver Monitoring Systems</u> <i>Iris Jestin</i>
	<u>Dynamic Advertising on Vehicles: Effects on Driver Glance Behavior</u> <i>Tibor Petzoldt</i>	<u>I2Connect: Intelligent, Interactive, and Connected - Next Generation of Real-time Driver Safety Support Systems</u> <i>Paul Hemeren</i>
	<u>Reducing inattentional blindness to warning signals: the influence of meaning, emotional value, and task context</u> <i>Katarina Pavic</i>	<u>Drowsiness and sleep prediction via imaging PPG: a multiscenario validation from Simulated to Naturalistic Driving</u> <i>Michele Guagnano</i>
	<u>Braking without looking: understanding driver responses to sudden lead-vehicle deceleration using a forced peripheral vision paradigm</u> <i>Malin Svärd</i>	
18.00-19.30	Welcome reception	

WEDNESDAY 21 OCTOBER

Room/Time	PASCAL	
08.30-09.00	Coffee & networking	
09.00-09.05	Welcome Back & Day 2 Overview	
09.05-09.55	Keynote #2 <u>From Distraction to Attention: Theory and Applications</u> <i>Katja Kircher, Senior researcher at VTI</i>	
Room/Time	PASCAL	
09.55-10.20	Poster pitches 11 poster presentations	
Room/Time	NEWTON	
10.20-11.00	Coffee & networking + poster session	
Room/Time	PASCAL	TESLA
11.00-12.30	Parallell sessions 5 & 6	
	Session 5: Automation transitions, readiness and disengagement	Session 6: Driver monitoring, impairment and assessment
	<u>Partial driving automation can impose additional demand on the driver without impairing driving performance in a car-following scenario</u> <i>Katharina Kummerer</i>	<u>Euro NCAP 2029 Driver Monitoring Assessment Framework for Mitigating Driver Inattention Risks</u> <i>Adriano Palao</i>
	<u>Validation of an evidence accumulation model for driver readiness in assisted driving using driver ocular metrics</u> <i>Rafael Goncalves</i>	<u>Exogenous Disruptions of Visual Attention and Gaze Abnormality</u> <i>Huy Phan</i>
	<u>How L3 Driving Automation Will Actually Be Used: A Phase-Based Taxonomy of Usage Patterns and Design Considerations</u> <i>Joonbum Lee</i>	<u>Disentangling alcohol and sleepiness effects on driver monitoring system metrics</u> <i>Christer Ahlström</i>
	<u>From Old Bottles to New: Reframing Driver Distraction in an Era of Vehicle Automation</u> <i>Joonbum Lee</i>	<u>Synthetic Data Generation for Driver Monitoring Systems Using Blender with NIR-Based Eye Tracking Effects</u> <i>Kailash Lakshmikanth</i>
12.30-13.30	Networking lunch + exhibition	

WEDNESDAY 21 OCTOBER

Room/Time	PASCAL	
13.30-14.40	Panel Discussion #1 <u>The assessment of DMS-based systems - what's needed?</u>	
Room/Time	PASCAL	
14.40-15.00	Poster pitches 11 poster presentations (group B)	
Room/Time	NEWTON	
15.00-15.50	Coffee & networking + poster session	
Room/Time	PASCAL	TESLA
15.50-16.50	Parallel sessions 7 & 8	
	Session 7: Real-world interaction behaviour, conversational load and crash risk	Session 8: Distraction and driver characteristics
	<u>Conversational cognitive load meets lateral hazard exposure: How environment shapes crash risk</u> Jonas Bärghman	<u>Crash risk of eyes off road among teen drivers across age and driving experience</u> Mette Møller
	<u>How Drivers Allocate Visual Attention During Extended Conversational AI Interactions</u> Chris Monk	<u>Age-Dependent Changes in Pupillometric Indicators of Cognitive Load During Hands-Off L2 Driving</u> Courtney Goodridge
	<u>Driver interaction with central display in real-world driving conditions</u> Mirta Zelenika Zeba	<u>Crash risk of eyes off road among teen drivers across age and driving experience</u> Charlie Klauer
17.15-17.30	Bus to Smart Eye (Pre-booking required)	
17.30-19.00	Study tour at Smart Eye (Pre-booking required)	
19.00-19.30	Bus to dinner (Pre-booking required)	
19.30-22.00	<u>Conference Dinner</u>	

THURSDAY 22 OCTOBER

Room/Time		
08.30-08.45	Coffee & networking	
Room/Time	PASCAL	
08.45-08.50	Welcome Back & Day 3 Overview	
08.50-09.50	Panel Discussion #2 <u>The touchscreen takeover: Can “glass” be safe enough?</u>	
09.50-10.20	Coffee & networking	
Room/Time	PASCAL	TESLA
10.20-11.40	Parallel sessions 8 & 9	
	Session 9: Automation in use: engagement, gaze and user state	Session 10: Safety assessment, models and validation
	<u>Effects of Automated Driving Style and Visual Countermeasures on Motion Sickness During Visual NDRT</u> <i>Schwindt-Drews Sarah</i>	<u>Evaluating attentional requirements at scale: A GIS-based proof of concept</u> <i>Kircher Katja</i>
	<u>Anxiety as a Source of Inattention During Highly Automated Driving: Effects on Situation Awareness at Takeover</u> <i>McKerral Angus</i>	<u>Possibility over probability: A worst-case approach to driver distraction and inattention assessment</u> <i>Tuomo Kujala</i>
	<u>Investigating drivers’ visual scanning patterns under different levels of driving automation across daytime and after dark driving environments</u> <i>Lee Yee Thung</i>	<u>From glances to outcomes: How counterfactual risk estimates relate to real-world crash odds</u> <i>Zhao Minxiang</i>
	<u>Comparison of Driver In-Vehicle Technology Engagement for Hands-On and Hands-Free Partial Driving Automation</u> <i>Noonan T. Zach</i>	<u>Predicting Reaction Time Under L2 Assisted Driving and Cognitive Load: A Sensitive Analysis of Eye-Tracking Features Using XGBoost and Expalinalable AI</u> <i>Qin Hao</i>
Room/Time	PASCAL	
11.55-12.15	Closing ceremony & Best Student Contribution Award	

THURSDAY 22 OCTOBER

12.15-13.00	Networking lunch + exhibition
13.00	
13.15-13.30	Bus to World of Volvo <i>(Pre-booking required)</i>
13.30-16.00	<u>Tour at World of Volvo</u> <i>(Pre-booking required)</i>
16.00-16.15	Bus to Lindholmen Science Park <i>(Pre-booking required)</i>