



AI-SEE Special Interest Session (SIS42)

Extend the Operational Design Domain of Automated Vehicles to all Weather and Visibility Conditions Experienced 365 Days of the Year

Date 20.09.2022, 08:00-09:30 AM

Place USA, Los Angeles, LA Convention Center, 407



TIME	RESPONSIBLE	TOPIC	COMPANY
08:00 - 08:05	Philippe Stehlik Moderator*	Short welcome and brief introduction of the session	EICT
08:05 - 08:25	Werner Ritter	Vehicle Automation and Weather: Challenges and Opportunities (15 min presentation + 5 min Q&A)	Mercedes-Benz
08:25 - 08:40	Dominik Scheuble	Improving Lidar Performance by Augmenting Adverse Weather Conditions (10 min presentation + 5 Q&A)	Mercedes-Benz
08:40 – 08:55	Dave Tokic	AI platform delivering robust self-supervised gated and camera depth estimation, 3D object detection, and addressing the “lost cargo” problem (10 min presentation + 5 min Q&A)	Algolux
08:55 – 09:15	Mina Nazari Kishor Ramaswamy	Virtual data simulation of inclement weather: sensor near transformation models for artificial datasets generation (15 min presentation + 5 min Q&A)	ANSYS
09:15 - 09:30	Matti Kutila	Inclement weather data collection: testing campaigns (10 min presentation + 5 min Q&A)	VTT

*Moderator introduces speakers and topics (short CV, etc.) and guides the Q&A session