

The Future of Driving: Autonomous Vehicles in a World of Uncertainty

Lecture hall A, Mechanical Engineering, TU Delft, The Netherlands

Time	Event
09:45 - 10:00	Registration.
10:00 - 10:10	Simeon Calvert (TU Delft) . Morning Opening.
10:10 - 10:40	Cristina Olaverri-Monreal (JKU) . Understanding Human Behavior to Enable Safe and Reliable Autonomous Vehicles.
10:40 - 11:10	Ilse Harms (CBR) . Human and machine in harmony: Changing tasks and required competencies in vehicle automation.
11:10 - 13:30	Lunch and Demos .
13:30 - 13:40	Javier Alonso-Mora (TU Delft) . Afternoon Opening.
13:40 - 14:10	Michal Čáp (ISEE AI) . Bringing Self-Driving Technology to the World's Distribution Hubs.
14:10 - 14:40	Maartje de Goede (SWOV) . Who's driving? Why mode confusion in automated vehicle systems should be assessed and how.
14:40 - 15:40	Panel Discussion moderated by Arkady Zgonnikov (TU Delft) . Driving Through Uncertainty: Challenges and Paths to Responsible Automated Mobility.
15:40 - 17:00	Networking and drinks

Demos

Code	Demo
D1	COLUMBUSS Autonomous Bus. Jorrit Kuipers (robotTUNER)
D2	PercivAI Radar Perception. Lohit Gandham, Gioele Buriani (PercivAI)
D3	Autonomous Car Avoiding Obstacles. Khaled Mustafa, Diego Martinez-Baselga, Mario Garzon Oviedo (TU Delft)
D4	Human-Aware Robot Navigation. Khaled Mustafa, Diego Martinez-Baselga (TU Delft)
D5	Operationalising Meaningful Human Control in Automated Vehicles. Lucas Elbert Suryana (TU Delft)
D6	Feasible Action-Space Reduction (FeAR) for Causal Responsibility in Multi-Agent Spatial Interactions. Ashwin George (TU Delft)

Panelists

Panelist
Andras Palffy (PercivAI)
Cristina Olaverri-Monreal (Johannes Kepler University)
Marieke Martens (TUE, TNO)
Solmaz Razmi Rad (RDW)



