



DIVP

Driving Intelligence Validation Platform



ADS Safety Assurance Breakout workshop Japan 2025

2025. Nov-14th

Weather Forecast



ADS safety Assurance



For Validation & Verification Methodology

Agenda

Time	Title	Speaker
10:00~10:05	Opening	Mr. Seigo Kuzumaki (Sams' office)
10:05~10:30	Japanese research status for Digital homologation & Driving Intelligence	Prof. Hideo Inoue (DIVP/Kanagawa Institute of Technology)
10:30~10:35	Acceleration of Automated Driving technology by the Federal Ministry for Economic Affairs and Energy (Video message)	Mr. Ernst Stoeckl-Pukall (Federal Ministry for Economic Affairs and Energy)
10:35~11:00	Initial Approach to the Validation of L4-vehicles' Driving Safety within Type Approval	Mr. Fabian Szydelko (Federal Highway and Transport Research Institute)
11:00~11:30	Driving innovation by virtual homologation – German/European strategic corridors and its leading projects	Dr. Henning Mosebach (Institute of Transportation Systems, DLR)
11:30~11:40	Short Presentation of the Project Safe AI Engineering	Dr. Sven Hallerbach (Institute for AI Safety and Security, DLR)
11:40~12:10	Ecosystem Mobility 4.0 - a holistic approach initiative to foster the transformation of the mobility system	Prof. Dr. Frank Koster (Founding Director of the Institute for AI Safety and Security, DLR)
12:10~13:00	Lunch Break	
13:00~13:30	Collaboration of IAMTS and ASAM to drive forward safety assurance for automated driving through standardization	Prof. Dr. Joachim Taiber (Managing Director International Operations(Founder), IAMTS)
13:30~14:00	ASAM standards in the context of virtual homologation	Mr. Marius Dupuis (CEO, ASAM)
14:00~14:30	Industrializing the AV safety case: Safety DevOps and Dynamic Risk Management	Mr. Jan Reich (Head of Safety, Fraunhofer IESE)
14:30~15:00	The art of open source, reimagine intelligent vehicles.	Prof. Dr. Shinpei Kato (TIER IV, Inc. Founder & CEO)
15:00~15:30	Behavioral Safety Assessment towards Large-scale Deployment of Autonomous Vehicles	Prof. Henry Liu (M-city)
15:30~15:40	Wrap up	Mr. Seigo Kuzumaki (CEO Sams' office)
16:00~16:30	Wrap up session as Mobility innovation week Japan	
18:00~	Farewell reception	

Under updating..



Speakers



Mr. Seigo Kuzumaki

Session owner / Opening & closing



Mr. Kuzumaki is former Program Director of Japanese SIP-adus and Toyota Fellow and supporting various governmental funded research projects towards ADS social implementation



Prof. Hideo Inoue

ADS Safety Assurance Initiative in Japan



Dr. Inoue is a specially appointed professor at the Kanagawa Institute of Technology, and the leader of DIVP®. His expertise lies in vehicle dynamics, active safety and ADAS technology.



Mr. Fabian Szydelko

Initial Approach to the Validation of L4-vehicles' Driving Safety within Type Approval



Research Engineer in the section Automated Driving at the Federal Highway and Transport Research Institute (BAST). As an Automotive Engineer he gained several years of experience within the automotive industry, especially in the field of ADAS development. Here he set focus on system engineering as well as scenario, vehicle and system simulation. Since joining BAST his research work has focused on the topics of methodologies for simulation-based type approval as well as criteria that define defensive driving behavior of autonomous vehicles.



Dr. Henning Mosebach

German pilotsites for CCAM, leading projects and virtual homologation ecosystems



International business development manager at DLR representing the projects of the PEGASUS Family (e.g. SET Level and VV Methods). He also represents the DLRs strategy for virtual development and validation technologies and future collaboration corridors of the VV Methods project



Dr. Sven Hallerbach

Short Presentation of the Project Safe AI Engineering



Head of the AI Engineering Department at the Institute for AI Safety and Security at DLR. His research focuses on engineering AI systems for safety-critical applications in automated mobility, combining simulation-based methods, Safety-and-Security-by-Design and Human-in-the-Loop approaches.



Prof. Frank Köster



Ecosystem Mobility 4.0 - a holistic approach initiative to foster the transformation of the mobility system

Head of the DLR Institute for AI Safety and Security at DLR. He heads many initiatives and projects in the area of AI, safety assurance and virtual development and is the German ambassador of the GAIA-X Mobility domain and is co-creating the new governmental initiative Mobility Ecosystem 4.0.



Prof. Dr. Joachim G. Taiber



Introduction of IAMTS and ASAM activity

Dr. Taiber is the founder and managing director international operations of IAMTS (International Alliance for Mobility Testing and Standardization, see iamts.org) which is an independent global membership-based non-profit association headquartered in Vienna, Austria.



Mr. Marius Dupuis



Global standardization for Digital homologation

Marius Dupuis holds a diploma in Aerospace Engineering and started his career in flight simulation. In 1998, he co-founded VIRE Simulationstechnologie GmbH and grew the company to a leading provider of simulation solutions for ADAS and automated driving systems. Being one of the initiators and original authors of the data standards OpenDRIVE, OpenCRG and OpenSCENARIO, Marius managed their transfer to ASAM e.V. in 2018. After leaving VIRE in 2020 and working as an independent consultant, he followed the standards and his personal interest in dynamic organizations and took on the role as ASAM's CEO in 2022.



Mr. Jan Reich



Industrializing the AV safety case: SafetyDevOps and Dynamic Risk Management

Head of the safety engineering research department at Fraunhofer IESE. His research concerns model-based safety assurance and argumentation methods to enable companies to create holistic, digital twin-based, through-lifecycle safety assurance cases for autonomous systems. Recently, he coordinated the creation of the reference safety case framework in VV methods



Prof. Dr. Shinpei Kato



The art of open source, reimagine intelligent vehicles.

Shinpei is the founder and CEO of TIER IV, and a co-founder of the Autware Foundation. He also works as a specially appointed professor for the Graduate School of Technology Management for Innovation at the University of Tokyo. An internationally renowned expert in computer science and a pioneer in the evolution of open-source software for autonomous driving technology, Shinpei served as an associate professor at Nagoya University's Graduate School of Information Science from 2012 to 2016, where his team created Autware, the world's first open-source software for autonomous driving technology.



Dr. Henry Liu



Behavioral Safety Assessment towards Large-scale Deployment of Autonomous Vehicles

Dr. Henry Liu is the Director of the University of Michigan Transportation Research Institute (UMTRI) and Bruce D. Greenshields Collegiate Professor of Engineering at the University of Michigan, Ann Arbor. He is a Professor in Civil and Environmental Engineering, and a Professor in Mechanical Engineering. He also directs the Center for Connected and Automated Transportation, a USDOT funded Region 5 university transportation center. Dr. Liu conducts interdisciplinary research at the interface of transportation engineering, automotive engineering, and artificial intelligence. He is recognized for his foundational work in cyber-physical transportation systems, particularly on the development of smart traffic signal systems and testing/evaluation of autonomous vehicles. His work on safety validation of autonomous vehicles has been published in Nature and featured as the cover story. Prof. Liu is the managing editor of Journal of Intelligent Transportation Systems and a board member for the ITS America.