

TIME	Tuesday, AUG. 30, 2022
18:30	WELCOME RECEPTION <small>at Promenade, hosted by VIRTUAL VEHICLE</small>

TIME	Wednesday, AUG. 31, 2022	
08:00	REGISTRATION <small>Welcome Coffee & Breakfast</small>	
09:00	OPENING <small>Jost Bernasch VIRTUAL VEHICLE Harald Kainz TU Graz</small>	
09:15	KEYNOTE <small>Stefan Friedrich & Shivam Rastogi Siemens Healthcare GmbH Digital twins as a new paradigm for decision making in healthcare</small>	ESRIUM Workshop 09:30 - 09:45 Welcome Session – The ESRIUM project 09:45 - 10:15 Keynote 10:25 - 10:45 The ESRIUM Business Case – Challenges & Opportunities 10:45 - 11:05 Road Wear Detection – Data collection and Training 11:05 - 11:25 The EGNSS Implementation – Hardware & Software Tools 11:35 - 11:55 Test Scenarios – Storyboards and C-ITS Communications 11:55 - 12:15 In-Vehicle Validation – Test Setup for Automated Driving Functions 12:15 Interactive Discussion and Closing Remarks Please register in Advance
09:55	TALK <small>Jost Bernasch VIRTUAL VEHICLE Future of Vehicle Development</small>	
10:35	KEYNOTE <small>JAN BECKER APEX AI What if cars could be as easy to program as smartphones are today?</small>	
11:05	Networking Break	
11:20	TALK <small>Christoph Bräuchle PTC Connecting the digital thread with systems engineering</small>	
11:30	EXHIBITOR Presentation - 3 min each	
12:10	Lunch Break	
13:30	Room 1: Automated Driving <small>Session Chair: Paolo Pretto</small>	Holger Meinel <small>ADAS & AD vs. SW defined vehicle development: what does it mean? How will it work?</small>
13:55	Frank Krämer IBM ONLINE <small>Modernize AI, AV and HPC Workloads with Kubernetes and a High-performance Global Data Strategy (DGS)</small>	13:30 Bernd Fachbach VIRTUAL VEHICLE Thomas Paier ZKW <small>Effective Product Instance Derivation for Early Concept Development</small>
14:20	Joachim Glaess Konrad Technologies Roberto de Vecchi VI-grade <small>Driver in the Loop (DiL) with Sensor Fusion Testing</small>	13:55 Andreas Padinger PTC <small>Collaborative Engineering and Agile Culture Accelerate product innovation and delivery for the digital mobility industry</small>
14:45	Coffee Break	
15:05	Room 1: Automated Driving <small>Session Chair: Daniel Watzenig</small>	14:20 Josef Zehetner AVL List, Franziska Sommer Conweaver, Sascha Leidig T-Systems <small>Continuous automation for interlinked system validation</small>
15:30	Kmeid Saad Ansys <small>Physics Based Synthetic Data for Real-World Radar Applications</small>	15:05 Mirko Nentwig Automotive Safety Technologies <small>Building reliable simulations for the verification and validation of highly automated vehicles</small>
15:55	Philipp Rosenberger TU Darmstadt <small>CAVM: A Novel Metric for Validation and Credibility Prediction of Active Perception Sensor Simulation</small>	15:30 Irina Costachescu, Marius Andrei, Conrado Ramirez Garcia NXP & Mathworks <small>Cost-effective Battery State-of-Charge Estimation leveraging AI and Model-Based Design</small>
16:20	Alexander Braun University of Applied Sciences Düsseldorf <small>MTF as a performance indicator for AI algorithms?</small>	15:55 Davide Gorgoretti Siemens Digital Industries Software <small>From Track to Digital Twin: A Machine Learning and sensing approach to tire and steering system modeling</small>
16:45	Networking & Beer	
17:30	End of Day 1	
19:30	EVENING EVENT <small>at FREIBLICK, hosted by VIRTUAL VEHICLE</small>	EVENING EVENT <small>at FREIBLICK, hosted by VIRTUAL VEHICLE</small>

TIME	Thursday, SEP. 01, 2022	
08:30	Welcome Coffee	
09:00	Room 1: Automated Driving <small>Session Chair: Holger Meinel</small>	Room 2: Virtualization <small>Session Chair: Alexander Braun</small>
09:25	Gerhard Steininger Deloitte <small>Safety Management System for SAE Level 4 Vehicles</small>	09:00 Harisyam Manda, Bernhard Peischl AVL List <small>Reinforcement Learning based Thermal Management for Cabin Heating Mode Selection</small>
09:50	Jinwei Zhou Kontrol <small>Digital homologation and verification of AD functions: A simulation and RAAS based AD homologation solution</small>	09:25 Bernd Fachbach VIRTUAL VEHICLE Siegfried Idinger Siemens Mobility <small>Digitalization of Production – Worker Guidance within Rail Vehicle Assembling</small>
10:15	Manuel Kadletz OHB Digital <small>GPS/GNSS Simulations for enhancing Resilience of Automotive Positioning Systems</small>	09:50 Marius Dupius Bzell <small>Minimizing the Room for Interpretation of Simulation Standards</small>
10:40	Networking Break	
11:00	PITCH SESSION (15 min each)	
11:15	Patrick Weissensteiner VIRTUAL VEHICLE <small>Operational Design Domain-driven V-model for Virtual Validation of Automated Driving Systems</small>	10:15 Christopher Woll GNS Systems <small>CI/CD for the Digital Twin: Accelerate lean validation with test automation</small>
11:30	Mario Oswald AVL List <small>Vehicle Model Factory - Automatic Generation of Digital Vehicle Twins</small>	KMUntermacher 11:00 - 13:00 11:00 – 11:15 DIH World 11.15 – 11.30 FFG Förderungen & Services 11:30 – 11:45 SFG Förderungen & Services 11:45 – 12:15 Services Virtual Vehicle 12:30 – 12:45 Technische Digital Twin-Serviceleistungen/GRITLAB 12:45 – 13:00 Datenanalyse und datengetriebene Services 13:00 – 14:00 Networking KMUntermacher Please register in advance: FREE REGISTRATION
11:45	Alexandru Forrai Siemens Digital ONLINE <small>On test coverage in case of scenario-based validation</small>	
12:00	Clemens Linnhoff TU Darmstadt <small>Environmental Influences for Modeling Active Perception Sensors</small>	
12:15	Nadine Riske GNS Systems <small>Future Engineering Data Management: Manage data-driven product development with a single system for engineering data</small>	
12:30	Ayhan Mehmed & Stefan Wachter AIT & msg Plaut <small>Automated Driving: Regulatory Aspects</small>	
12:30	Lunch Break	
14:00	ROUND TABLE - ROOM 2 <small>Alexander Braun & Marius Dupius HS Düsseldorf Quantifying Simulation Quality Round Table, Round 2</small>	14:00 DEMO INTERACTIVE ZONE TBC
15:15	Room 1: Automated Driving <small>Session Chair: Selim Solmaz</small>	Room 2: Virtualization <small>Session Chair: Martin Wifling</small>
15:40	Robert Fina Johannes Kepler <small>Reduction of the approval and test time in automotive engineering by solving a Vehicle Routing Problem</small>	15:15 Franz Langmayr Uptime Engineering <small>The knowledge base for product reliability</small>
16:05	Summary	
16:20	Farewell with drinks & snacks	
17:00	End of GSVF 2022	