

PROGRAM



TIME	Tuesday, SEP. 12, 2023
18:30	WELCOME RECEPTION at Promenade, hosted by VIRTUAL VEHICLE

ROOM 1

TIME	Wednesday, SEP. 13, 2023
08:00	REGISTRATION Welcome Coffee & Breakfast

09:00	OPENING Jost Bernasch VIRTUAL VEHICLE Hermann Steffan TU Graz
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09:15	KEYNOTE ULRICH SCHULMEISTER BOSCH Feature based development - from Business Viewpoint over Requirements to E/E Architectures
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09:55	TALK Jost Bernasch VIRTUAL VEHICLE Technology for the Twin Transition
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10:15	KEYNOTE JEAN-FRANCOIS CAMPEAU TOYOTA Towards Standardization of the Automotive In-Vehicle Stack: Challenges and Future Directions
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Networking Break

11:25	KEYNOTE DEJAN PANGERCIC APEX.AI 6 Years and 50 customer projects - challenges we saw and solved in transitioning OEMs to the C++ and POSIX-based software
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12:05	KEYNOTE Panel Discussion - moderated by VIRTUAL VEHICLE Ulrich Schulmeister BOSCH JEAN-FRANCOIS CAMPEAU TOYOTA Dejan Pangercic APEX.AI
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12:35	EXHIBITOR Presentation - 3 min each
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Lunch Break

14:00	KEYNOTE Felix Friedmann Nvidia Sim-First AV Development
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Room 1: Modular Testing and Management

14:30	Christopher Woll GNS Systems GmbH Autonomous Vehicle Verification and Validation: Manage Data Driven Product Development with a Single System for Engineering Data
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14:55	Alain Biahmou PTC Tangible Strategies for Improving Product Sustainability
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Coffee Break

Room 1: Digital Collaboration

ROOM 2
Wednesday, SEP. 13, 2023

Lunch Break

Room 2: Intelligent Control

14:30	Stephan Kussmaul TrianGraphics GmbH Digital Twin - Generation and Variation in Reinforcement Learning
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14:55	Andrea Leitner AVL List GmbH Perfect understanding of Operational Design Domain - a key aspect in automated driving
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Coffee Break

Room 2:E/E and Softwarearchitectur

15:35	Georg Hiebl Aucotec Salzburg Engineering Process Optimizations in the Design of "Electrical Distribution Systems (EDS)"
16:00	Andreas Hula Austrian Institute of Technology The Motorcycle Probe Vehicle - New Approaches to bridging behaviour, infrastructure and safety in a connected environment
16:25	Dominik Kassel Nanga Scaling Agile at a corporate level for an automotive supplier with a fully integrated ALM system
16:50	Michael Astleitner Evolit Selim Solmaz VIRTUAL VEHICLE From road wear maps to automated driving: EGNSS-enabled smart road infrastructure usage and maintenance for increased energy efficiency and safety on European road networks
17:15	Networking & Beer
18:00	End of Day 1
19:30	EVENING EVENT at FREIBLICK, hosted by VIRTUAL VEHICLE

15:35	Andreas Bossert ITK Engineering GmbH Transformation of the Software Integration Process - From Classic Software Integration to Co-Integration
16:00	Siddhartha Rath & Anand Takale KPIT Technologies An Approach to Accelerate Software Defined Vehicle Development, Verification, and Validation through Virtual Engineering
16:25	Markus Schweiker Robert Bosch GmbH CVEM - Connected Vehicle Energy Management
16:50	Alexander Koessler Robert Bosch AG Embedded software sourcing. Reshaped.
17:15	Networking & Beer
18:00	End of Day 1
19:30	EVENING EVENT at FREIBLICK, hosted by VIRTUAL VEHICLE

TIME	Thursday, SEP. 14, 2023
08:30	Welcome Coffee
	Room 1: Industrial Virtual Validation
09:00	Samira Hayat Spiki GmbH Robust Neural Network Training: solving the "nervereough data" problem
09:25	Sascha Bartl OHB Digital Solutions GmbH Automated GNSS Testing using Route Planning and Simulation
09:50	Alexander Ulbing Kompetenzzentrum für Automobil- und Industrielektronik Advantages of System Level Testing and Modelling for Automotive Smart Power Switches (SPS)
10:15	Christian Buchholz Dassault Systemes Challenges of adding model complexity and modeldiversity in automotive development
10:40	Networking Break
10:55	KEYNOTE MATTHIAS ALTHOFF TU MÜNCHEN Let the Vehicle Do the Verification for You
11:20	Short Break
	Room 1: Industrial Virtual Validation
11:30	Iva Kotori NI Germany Closing a critical coverage gap in ADAS/AD camera validation
11:40	Alastair Walker Lorit The Safety Challenges of Electric Vehicle Battery Management

TIME	Thursday, SEP. 14, 2023
	Room 2: Virtual Approval & Certification
09:00	Clemens Linnhoff & Philipp Rosenberger Persival GmbH Automated Testing of Perception Sensor Models
09:25	Clemens Schiffer Virtual Vehicle Bayesian Framework for Railway Safety
09:50	Frank Kraemer IBM A Driverless Future Depends on Large Data!
10:15	Fabian Merlin Hoffmann Volkswagen AG Scenario Generation From Real World Driving Data
10:40	Networking Break

11:50	Christof Stocker Verify Med The Risk and Potential of Virtual Human Faces		
12:15	Lunch Break	12:15	Lunch Break
	Room 1: Digital Twins & Digital Threads		APPLIED CPS: 15:30-17:00
14:00	Chulwoo Jung Hyundai Motor Company Development of Virtual Evaluation Method for Vehicle Body Panels to Predict Road Noise	14:00	APPLIED CPS "Industry 4.0" Get your Ticket (free)
14:25	Helmut Schmitz VI-grade Towards zero prototypes: simulation and the electric vehicle		LINK https://shorturl.at/AGOQT
14:50	Tahir Emre Kalayci Virtual Vehicle Real-time reasoning over knowledge graphs for enhanced decision-making		 <p>Ready for Industry 4.0? Wie Sie Ihren Betrieb ins nächste Zeitalter bekommen!</p> <ul style="list-style-type: none"> - Impulstalk - Paneldiskussion & Best Practice - Förderinformationen <p>14.09.2023 Graz Seifenfabrik 15:30-18:00 Uhr</p> <p>Eine Veranstaltung von Virtual Vehicle Research GmbH </p>
	Room 1: Integration Standards & Maturity		
15:15	Oliver Bleisinger Emengineering Required Detailation of Dynamic Behaviour Models for Automated Tradeoffs via Expert Systems Considering Sustainability Goals		
15:40	Summary		
16:00	Farewell with drinks & snacks		
17:00	End of GSVF 2023		