SYM 2026

prostep IVIP

April 14, 2026

PLENARY HALL
(4TH FLOOR)

Time	Session
10:00 – 10:10	**Welcome & Opening** Philipp Wibbing & Susanne Schöne
10:15 – 10:25	**Board Synchro**
10:25 – 11:00	**Keynote CONTACT Software**
11:00 – 11:35	**Keynote STACKIT**
11:35 – 12:10	**Keynote AVL**
12:15 – 13:45	**Lunch Break	Exhibition	Guided Tours	Networking**

DATE	PLENARY HALL (4TH FLOOR)	AUDITORY 2 (2ND FLOOR)	AUDITORY 3 (2ND FLOOR)	AUDITORY 4 (2ND FLOOR)	AUDITORY 5 (2ND FLOOR)	AUDITORY 6 (3RD FLOOR)
13:45 – 14:15	**Engineering Redefined: Volkswagen's AI Blueprint for the Customer-Defined Vehicle** **Thomas Kamla** Volkswagen	**Knowledge Brep-Graph: Enabling Collaborative Digital Engineering with STEP and Knowledge Graphs in the Age of Software-Centric Product Development** **Julian Gebhard** Mercedes Benz AG **Yübo Wang** Mercedes Benz AG	**Shift Left Approach: System Integration Simulation with Software-in-the-Loop (SIL)** **Karsten Krügel** dSPACE GmbH **Dr. Simon Olma** IAV GmbH	**JT as the standard format for tomorrow's digital world** **Thomas Ott** Aumovio **Bernd Watzal** Mercedes Benz AG	**SW-Defined-Defense and SW-Defined-Vehicles: Benefits, limitations and strategies for AI adoption 1/3** **Hans Jürgen Mantsch** Siemens Industry Software	**AI-Powered Homologation: Transforming Vehicle Approval Processes through Digitalization 1/3** **Wolfgang Bern** Bern GmbH **Christian Kaptur** Dataciders GmbH
14:20 – 14:50	**Engineering Redefined: Volkswagen's AI Blueprint for the Customer-Defined Vehicle** **Thomas Kamla** Volkswagen	**Driving ECU Architectural Decisions with SysML v2, vECU and SSP** **Oliver Bleisinger** :em engineering methods AG **Dr. Hasan Esen** DENSO AUTOMOTIVE Deutschland GmbH	**Rethinking Engineering with Siemens and Accenture** **Mark Fischer** Accenture GmbH **Jannik Seger** Siemens AG	**AI based driver for Vehicle Dynamics Simulation** **Dr. Ronaldo Nunes** Mercedes Benz AG **Tobias Heel** TWT GmbH	**SW-Defined-Defense and SW-Defined-Vehicles: Benefits, limitations and strategies for AI adoption 2/3** **Hans Jürgen Mantsch** Siemens Industry Software	**AI-Powered Homologation: Transforming Vehicle Approval Processes through Digitalization 2/3** **Wolfgang Bern** Bern GmbH **Christian Kaptur** Dataciders GmbH
14:55 – 15:25	**Accelerating Mazda's Automotive Future: Holistic Application Lifecycle Management for Agile, Quality-Driven SDV Development** **Tomohiko Adachi** Mazda Motor Corporation **Christoph Braeuchle** PTC	**Premium Partner**	**No Semantics, No Intelligence: Why Agentic AI Remains Blind Without FDX** **Michael Baumann** Karakun **Ronaldo Nunes** Mercedes Benz AG	**Engineering Intelligence: Sovereign AI Agents for Interoperable and Efficient Systems Engineering** **Abdelaziz Daroui** Aleph Alpha GmbH	**SW-Defined-Defense and SW-Defined-Vehicles: Benefits, limitations and strategies for AI adoption 3/3** **Hans Jürgen Mantsch** Siemens Industry Software	**AI-Powered Homologation: Transforming Vehicle Approval Processes through Digitalization 3/3** **Wolfgang Bern** Bern GmbH **Christian Kaptur** Dataciders GmbH
15:30 – 16:00	**Coffee Break	Exhibition	Guided Tours	Networking**					

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16:00 – 16:30	**Premium Partner**	**From Simulation to Impact: Results from the Horizon Europe Research Project AccCellBaT** **Daniel Krems** AVL List GmbH **Sebastian Doerr** Conweaver	**SMART Standards – Uniting Industries Through a Common Language for Digital Engineering** **Bernd Feldvoss** Airbus **Sven Bergander** DIN Solutions GmbH	**Expert Corner: From Complexity to Velocity: Engineering at Digital Speed** **Dr. Henrik Weimer** Airbus	**From Models to Agents: Bringing SDVxMBSE to Life with Agentic AI 1/3** **Prof. Dr. Dirk Slama** Bosch	**New Work meets Engineering: A Systematic Path to Future-Proof Development Processes 1/3** **Juliane Balder** TU Berlin
16:35 – 17:05	**AI based support of vehicle launch process - example wiring harness** **Dr. Volker Schmid** Mercedes Benz AG **Dr. Peyman Merat** UNITY AG	**From Specs to Simulation: Agentic AI for Requirements KBE at Brose** **Morteza Djebeli Sinaki** Brose Fahrzeugteile SE & Co. KG **Jens Krueger** NTT DATA	**MBSE@Schaeffler - Enabler of the Digital Thread?** **Klaus Mai** :em engineering methods AG **TIll Reymann** Schaeffler AG	**Premium Partner**	**From Models to Agents: Bringing SDVxMBSE to Life with Agentic AI 2/3** **Prof. Dr. Dirk Slama** Bosch	**New Work meets Engineering: A Systematic Path to Future-Proof Development Processes 2/3** **Juliane Balder** TU Berlin
17:10 – 17:40	**Collaborative Digital Twins – Enabling Live Collaboration in Engineering: Project Results, Collaboration with Catena-X & Way Forward** **Dr. Sebastian Handschuh** Mercedes Benz AG **Peter Gerber** Schaeffler AG	**The Role of Partnerships in Software Update Management: Business Opportunities and Operational Challenges** **Dr. Thomas Dickopf** AUDI AG	**Designing tomorrow's CO_ footprint today** **Stefan Gattersleben** Schaeffler AG **Agit Salcan** Transition Technologies PSC	**Group Identity and Language: RAG in creating a common language platform** **Dr. Knut Stang** PROSTEP AG **Katrin Fritz** Volkswagen AG	**From Models to Agents: Bringing SDVxMBSE to Life with Agentic AI 3/3** **Prof. Dr. Dirk Slama** Bosch	**New Work meets Engineering: A Systematic Path to Future-Proof Development Processes 3/3** **Juliane Balder** TU Berlin

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17:45	**Get together**
17:50	**Start up Pitch Award**
18:15 – 18:45	**Inspiring Keynote**

EVENING EVENT, HONORARY AWARD AND SCIENTIFIC AWARD FROM 7 P.M. TO MIDNIGHT ON THE 1ST FLOOR

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08:30 – 09:00	**Systems Engineering as the Foundation of an AI-Driven Development Process** **Verena Hofmann** BMW **Dr. Ferdinand Schockenhoff** Capgemini	**Implementation of 3DEXPERIENCE platform in MAGNA Bohemia** **Lukas Steeb** Dassault Systemes Deutschland GmbH **Milan Pechá_ek** Magna Exteriors Bohemia s.r.o.	**No more paper chaos: Smart QA in the Age of Digital Twins at Mercedes-Benz** **Dr. Heike Ulmer Langner** Mercedes Benz AG **Loehle Bernd** material.one AG	**Scientific Award Winner**	**prostep ivip project initiative HAIViSH presents: Redefining Virtual Homologation for Automated Driving by Integrating Stakeholder Perspectives with help of Agentic Intelligence 1/3** **Prof. Dr. Reza Rezaei** IAV GmbH **Prof. Dr. Jürgen Pannek** TU Braunschweig	**Agents and Foundation Models for Industry: The Path from Vision to Reality 1/3** **Herr Dr. Steffen Lamparter** Siemens AG **Florian Götz** Siemens Industry Software GmbH
09:05 – 09:35	**Premium Partner**	**From MBSE to AI Augmented Engineering: Operationalizing AI on the Digital Thread for Software Defined Products** **Dr. Peter Ebner** AVL List GmbH **Sebastian Rodler**	**The Transformation to Agentic AI in MBSE** **Daniel Krems** AVL List GmbH **Daniel Steffen** UNITY AG	**AI at Work: Humans are the Real Differentiator** **Prof. Dr. Ing. Martin Eigner** EIGNER Engineering Consult **Helena Gutierrez** Share PLM	**prostep ivip project initiative HAIViSH presents: Redefining Virtual Homologation for Automated Driving by Integrating Stakeholder Perspectives with help of Agentic Intelligence 2/3** **Prof. Dr. Reza Rezaei** IAV GmbH **Prof. Dr. Jürgen Pannek** TU Braunschweig	**Agents and Foundation Models for Industry: The Path from Vision to Reality 2/3** **Herr Dr. Steffen Lamparter** Siemens AG **Florian Götz** Siemens Industry Software GmbH
09:40 – 10:10	**Accelerating Digital Transformation: VW's Hybrid Approach to Migration and AI** **Jesko Klandt** CARIAD SE **Szabi Koppany** Raiqon GmbH	**Premium Partner**	**Aligning Software Defined Development with Model-Based, Stage-Oriented Systems Engineering** **Prof. Dr. Dirk Slama** Bosch **Dr. Carina Fresemann** Technische Universität Berlin	**Simulation Meets MBSE: Enabling Collaborative Engineering for the SDV** **Stephan Marius Stieren** Fraunhofer IEM **Dr. Christian Tschirner** TwoPillars Gmbh a Dentsu Soken Inc Company	**prostep ivip project initiative HAIViSH presents: Redefining Virtual Homologation for Automated Driving by Integrating Stakeholder Perspectives with help of Agentic Intelligence 3/3** **Prof. Dr. Reza Rezaei** IAV GmbH **Prof. Dr. Jürgen Pannek** TU Braunschweig	**Agents and Foundation Models for Industry: The Path from Vision to Reality 3/3** **Herr Dr. Steffen Lamparter** Siemens AG **Florian Götz** Siemens Industry Software GmbH
10:15 – 10:45	**Coffee Break | Exhibition | Guided Tours | Networking**					
10:45 – 11:15	**Paving the Way for AI-Enabled Engineering in Post-Merger Automotive Organizations** **Vishnu Murugan** Magna International **Dr. Sören Münker** PTC	**Premium Partner**	**Digital Threads for Digital Agents: Connecting ALM, Mechanics, E/E, Software and Production** **Michael Kirsch** :em engineering methods AG **Markus Zimmermann** Rolls Royce Power Systems AG	**Generative System Engineering and AI-Artifact Management: An Approach for Transparent, Reusable, and Circular Smart Product Development** **Dr. Damun Mollahassani** RPTU **Martin Becker** RPTU	**Realizing the Digital Product Passport– Challenges and Approaches 1/3** **Oliver Scheit** DENSO AUTOMOTIVE Deutschland GmbH **Dr. Oguzhan Balandi** T SYSTEMS INTERNATIONAL GMBH	**What could other branches learn from LOTAR? 1/3** **Bernd Feldvoss** Airbus
11:20 – 11:50	**Cross-company collaborative virtual validation of AD/ADAS using AI technologies** **Prof. Dr. Reza Rezaei** IAV GmbH **Dr. Dai Araki** Toshiba Digital Solutions Corporation	**Digital Thread Sentinels – Utilization of Agentic AI - Digital Thread/ Digital Mesh** **Ravi Udali** Infosys Limited **Dr. Robert Rencher** The Boeing Company	**Closing the Last-Mile: PLM Integration with Data ECO Systems for sustainable product creation** **Dr. Jörg Hoffmann** BOS GmbH & Co. KG **Dr. Martin Holland** PROSTEP AG	**How to implement Circular Economy in an ecosystem at an automotive OEM – the approach of Material Accounting** **Nathalie Wagner** BMW **Theresa Riedelsheimer** Fraunhofer IPK	**Realizing the Digital Product Passport– Challenges and Approaches 2/3** **Oliver Scheit** DENSO AUTOMOTIVE Deutschland GmbH **Dr. Oguzhan Balandi** T SYSTEMS INTERNATIONAL GMBH	**What could other branches learn from LOTAR? 2/3** **Bernd Feldvoss** Airbus

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11:55 – 12:30	**FAICE - Practical Application of AI in collaborative MBSE** **Rik Rasor** AI Marketplace GmbH **Michael Maletz** AVL List GmbH	**Enabling Hardware Exchangeability in Software-Defined Vehicle Development** **Daniel Leukhardt** Mercedes Benz AG **Marvin Höhn** BHC GmbH	**Engineering Collaboration Reimagined: A New Geometry Standard for Seamless Data Exchange across Catena-X.** **Nathaniel Friedlander** Schaeffler AG **Hannes Krug** Threedy	**Integration of systems engineering and simulation based on standards: The needs, challenges and solutions from an industrial perspective** **Daniel Krems** AVL List GmbH **Hans Martin Heinkel** Robert Bosch GmbH	**Realizing the Digital Product Passport–Challenges and Approaches 3/3** **Oliver Scheit** DENSO AUTOMOTIVE Deutschland GmbH **Dr. Oguzhan Balandi** T SYSTEMS INTERNATIONAL GMBH	**What could other branches learn from LOTAR? 3/3** **Bernd Feldvoss** Airbus
12:35 – 14:00	**Lunch Break | Exhibition | Guided Tours | Networking**					
14:00 – 14:30	**Strategic AI Deployment at BMW: From Pilot to Enterprise Rollout** **Patrick Grüßenbeck** BMW Group **Szabi Koppany** Raiqon GmbH	**Premium Partner**	**Vehicle Component Model Exchange led by JAMBE in Japan** **Tomohiko Adachi** Mazda Motor Corporation	**Stop talking about highways** **Michael Kirsch** :em engineering methods AG **Juan Carlos Mendo** The Boeing Company	**Openness in the Software-Defined-Industry 1/3** **Andrea Denger** AVL List GmbH **Dr. Mario Leber** PROSTEP AG	**Technology driving Industry – What about Education? 1/3** **Michael Bitzer** Siemens Industry Software GmbH **Prof. Dr. Rainer Stark** Technische Universität Berlin
14:35 – 15:05	**Digital Engineering supported by a multi-tool-landscape for model-based systems engineering for medical devices** **Ralf Hocke** Siemens Healthineers AG **Chantal Sinnwell** Siemens Industry Software GmbH	**Future Federated Collaboration based on dataspaces and using open standards** **Bernd Feldvoss** Airbus	**Digital Twin & Data Exchange trough the whole supply chain in the WindIndustry - A new Consortium!** **Markus Ripping** Mews Partners / Mews Deutschland GmbH **Haras Najib** VDMA e.V. (Power Systems)	**SysML v2 Workflow Forum: Why? How? What?** **Daniel Siegl Sven Kleiner** :em engineering methods	**Openness in the Software-Defined-Industry 2/3** **Andrea Denger** AVL List GmbH **Dr. Mario Leber** PROSTEP AG	**Technology driving Industry – What about Education? 2/3** **Michael Bitzer** Siemens Industry Software GmbH **Prof. Dr. Rainer Stark** Technische Universität Berlin
15:10 – 15:40	**Model-Based Enterprise Transformation at Honda: A Japanese OEM's Journey Towards Digital Integration** **Takao Senko** Honda Motor	**AI-supported content capture of technical drawings** **Abhinav Sinah** Daimler Truck AG **Christopher Röhl** SSC Services GmbH	**Connecting the Digital Thread: End-to-End Simulation for Requirements-Driven Verification** **Dr. Carsten Volle** PTC **Rene Honcak** ZF Friedrichshafen AG	**From Lessons Learned to Future Value: PLM as the Backbone for Digital Transformation and AI-Enabled Engineering** **Dr. Marcus Krastel** :em engineering methods AG **Olaf Kramer** Robert Bosch GmbH	**Openness in the Software-Defined-Industry 3/3** **Andrea Denger** AVL List GmbH **Dr. Mario Leber** PROSTEP AG	**Technology driving Industry – What about Education? 3/3** **Michael Bitzer** Siemens Industry Software GmbH **Prof. Dr. Rainer Stark** Technische Universität Berlin

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15:50	**Last Keynote: Premium Industry Partner 2027**
16:30	**Closing the 2026 prostep ivip Symposium**

Visit symposium.de for more information.

Please note that the organizer reserves the right to make changes to the program.