

## E4

## Track A – Electronics &amp; Architecture

## A NEW ARCHITECTURE FOR THE SOFTWARE DEFINED VEHICLE

08:30 Morning coffee and exhibition visit

**09:00 Moderator's Introduction**  
Miroslaw Staron, Professor, Chalmers University of Technology & University of Gothenburg

**09:10 Synching for the Future: How the SDV Investment Can Be Turned from a Cost Save to a Revenue Stream by Enabling a New Service Ecosystem**  
Johan Thelin, Product Manager, WirelessCar

**09:50 Vehicle Innovation at a Crossroad: Aligning SDV Vision with E/E Architectural Reality**  
Esha Tandon, Configuration & Platform Architect, Polestar

**10:25 SDV and Relevant Architectural Changes**  
Vivek Sannabhadhi, Senior Expert, Elektrobot, Germany

**10:50 Networking break and exhibition visit**

## Panel Discussion

**11:30 Vehicle Innovation at a Crossroads: SDV and Architectural Changes**  
Miroslaw Staron, Professor, Chalmers University of Technology & University of Gothenburg  
Satish Premanathan, Vice President, Semiconductor Practice, ERS, HCLTech  
Mattias Nyberg, Research manager for Systems Engineering and SW, TRATON & part-time Researcher and Supervisor, KTH Royal Institute of Technology  
Martin Hiller, Solution Architect – Software & Electronics Platform, Volvo Cars  
Sudhakar Molleti, Vice President SDV, Tata Technologies

**12:00 Democratizing Automotive Software**  
Per Sigurdson, CEO & Co-Founder, RemotiveLabs

**12:30 Networking lunch break and exhibition visit**

**13:40 API-centric Development for Automotive Applications on HPCs**  
Andreas Raisch, Senior Director Software Development, Vector Informatik GmbH, Germany

**14:00 The Development of Next Generation SW&EE-platform for EX60**  
Martin Hiller, Solution Architect – Software & Electronics Platform, Volvo Cars

**14:40 Turning Software-Defined Commercial Vehicles into Reality**  
Andreas Feldges, Head of Engineering Commercial Vehicle, Robert Bosch GmbH, Germany

**15:00 Networking break and exhibition visit**

**15:30 Service-Based Systems Engineering for Software-Defined Vehicles**  
Mattias Nyberg, Research manager for Systems engineering and SW, TRATON & part-time researcher and supervisor, KTH Royal Institute of Technology

**16:00 Meet Sweden's First Prompt-SM Champion and Develop Yourself in Prompting**  
Magnus Gille, Engineer and Sweden's first AI prompting champion with over 17 years of experience from Ericsson and Scania

**16:40 Moderator's closing remarks and close of conference**

## H2

Track B – Active Safety & Autonomous Solutions  
LAYING THE ROAD FOR SAFE AUTONOMOUS VEHICLES

08:30 Morning coffee and exhibition visit

**09:00 Moderator's Introduction**  
Dr. Håkan Sivencrona, Senior Technical Leader – Safety, Volvo Cars

**09:05 Autonomous Transportation Solutions: Development and testing on Road**  
Peter Thorngren, Fellow Technology and Strategy Leader, Volvo Group

**09:35 Accelerating DevSafeOps for Autonomous Driving through Generative AI: Silver Bullet or Just Buzz?**  
Ali Nouri, AI and AD Researcher, Volvo Cars & Chalmers University of Technology

**10:05 Use of Chipleets for Scalable Automotive Compute Applications**  
Stewart Bell, Director Networking Sales and Solution SoC Marketing, Socionext Europe

**10:30 Networking break and exhibition visit**

## Panel Discussion

**11:10 How to Lay the Road for Safe Autonomous Vehicles**  
Dr. Håkan Sivencrona, Senior Technical Leader – Safety, Volvo Cars  
Peter Thorngren, Fellow Technology and Strategy Leader, Volvo Group  
Ali Nouri, AI and AD Researcher, Volvo Cars & Chalmers University of Technology  
Kavya Pandey, Functional Safety Manager, Polestar

**11:40 A High-Frequency Floquet Stability Index for Vehicle Control via Rear-Wheel Steer-by-Wire**  
Matteo Fontana, Handling and Braking Performance Engineer, Iveco Group, Italy

**12:20 Networking lunch break and exhibition visit**

**13:30 Federated Self-Supervised Learning for Vehicle Perception**  
Mina Alibeigi, AI Researcher Lead, Zenseact  
Jonas Frankemölle, Machine Learning Engineer, Scaleout Systems

**13:50 AD trucking in China – Domestic focus or European Concern**  
Patrick Eisele, Senior Consultant SDV & Autonomous Mobility, P3

**14:10 Challenges in Connected & Cooperative Automation – Safety, Security and Trustworthy V2X**  
Ashok Krishna, Senior Product System Architect, SDV, Volvo Cars

**14:40 Networking break and exhibition visit**

**15:10 What Can Safety in Automotive Learn from Safety Investigations of Air Incident and Air Accident?**  
Agne Widholm, Senior Investigator, BVR Academy

**15:50 The Constant Flow of Ever-increasing Challenges for the Dedicated Safety Manager**  
Dr. Håkan Sivencrona, Senior Technical Leader – Safety, Volvo Cars

**16:30 Moderator's closing remarks and close of conference**

## H1

## Track C – Testing &amp; Validation

## DEVELOPING TESTING METHODS IN COMPLEX AUTOMOTIVE SYSTEMS

08:30 Morning coffee and exhibition visit

**09:00 Moderator's Introduction**  
Peter Janevik, CEO, AstaZero

**09:10 ATOS: Automating Trust in AI-Driven Vehicle Validation**  
Victor Jarlow, Research Leader, AstaZero

**09:45 Transformation of Integration and Testing towards a Software-Defined Vehicle Culture**  
Mikael Adenmark, Senior Technical Advisor and Flow Initiative Owner, TRATON Group

**10:15 Elevating Product Quality at China Speed with Shift-Left Validation**  
Dr. Manaswini Rath, Senior Vice President Software Defined Vehicles SDV, Autonomous Driving, Chassis Engineering, KPIT

**10:40 Networking break and exhibition visit**

## Panel Discussion

**11:20 Validation at Scale: Bridging Virtual and Physical Testing for Next-Generation Vehicles**  
Peter Janevik, CEO, AstaZero  
Daniel Poveda, Research Engineer, Chalmers REVERE Lab  
Felix Andlauer, Senior Project Manager, AstaZero  
Sabina Edenlund, Technical leader – Test Driven Development, Volvo Cars  
Jacob Aduama, Head of ATS Validation, Volvo Autonomous Solutions

**11:50 Beyond the POC: The Uncomfortable Engineering of Turning Ideas into Industrial Reality**  
Dr. Annika Larsson, Strategy and Operational Excellence Manager, Volvo Group

**12:30 Networking lunch break and exhibition visit**

**13:30 Efficient XIL Test & Verification**  
Per Olsson, Senior Expert Vehicle Dynamics Virtual Verification, Volvo Group

**14:10 Emerging AI Trends and Methodologies in Automotive Software Testing**  
Alexandra Khrenova, Key Account Director, Intellias  
Volodymyr Mandzyuk, Intellias

**14:30 Scaling Test & Validation by Design: How direct ownership improves efficiency, quality and decision-making**  
Bartolomeo Bocchino, Head of Electric & Electronics, Italdesign  
Tommaso Junior Costa, Infotainment Testing Domain Leader, Italdesign

**14:50 Shift Left to Deliver Right, Reinventing V&V for SDV**  
Krishnananda Shenoy - Vice President, Delivery Head, Next-Gen Mobility, Infosys Limited  
Thomas Utzinger – Director, Verification & Validation, in-tech, an Infosys Company

**15:10 Networking break and exhibition visit**

**15:30 Modelling and Simulation to Drive Development and Verification of Vehicle Motion and Energy Functionality**  
Bengt Jacobson, Professor and Group Leader Vehicle Dynamics, Chalmers University of Technology

**16:05 The SDV feedback loop problem your Software Factory Can't Outgrow**  
Liam, CRO, Waypoint AI

**16:40 Moderator's closing remarks and close of conference**

## E2

## Track D – Electrification &amp; Battery Development

## CHALLENGES, DEVELOPMENT AND IMPLEMENTATION OF EV TECHNOLOGIES

08:30 Morning coffee and exhibition visit

**09:00 Moderator's Introduction**  
Linda Olofsson, Director, Swedish Electromobility Centre  
Anna Larsson, Director Electromobility at Mobility and Systems, DigitalSystems, RISE Research Institutes of Sweden

**09:10 Battery Algorithms: Past, Present, Future**  
Anna Fedorova, Senior Battery Algorithms Engineer, Iveco Group, Switzerland

**09:50 Scaling V2G: Volvo Cars' Market-Ready Solution**  
Ali Fotouhi, Technical Expert in Vehicle-Grid Integration, Volvo Cars

**10:30 Networking break and exhibition visit**

## Panel Discussion

**11:00 Vehicle-to-Grid at Scale: Turning EV Fleets into Energy Assets**  
Linda Olofsson, Director, Swedish Electromobility Centre  
Anna Larsson, Director Electromobility at Mobility and Systems, DigitalSystems, RISE Research Institutes of Sweden  
Ali Fotouhi, Technical Expert in Vehicle-Grid Integration, Volvo Cars  
Emanuella Wallin, Product Owner in the Charging and Energy team, Polestar  
Therese Caesar, Flexibility Manager, Göteborg Energi Nät  
Tor Krog, Head of Siemens eMobility Nordic & the Baltic Region, Siemens Smart Infrastructure, Norway  
Marc Manns, Deputy Vice President and Senior Delivery Partner – ESS, Tata Technologies

**11:40 What it Takes to Electrify Commercial Transport**  
Petra Sundström, Managing Director, TRATON Charging Solutions

**12:20 Networking lunch break and exhibition visit**

**13:30 Bridging Physical and Virtual ECU Testing: Implementing V-HIL for Enhanced Automotive Validation Workflows**  
Lance Brooks, Principal Engineer, Siemens, France

**13:50 Battery Circularity: A Second-Life Perspective**  
Ludvig Karlberg, CFO, Rebaba

**14:30 Networking break and exhibition visit**

**15:00 Driving Performance in Heavy-Duty Electric Vehicles: Key Strategies and Real-World Successes**  
Raman Yazdani Wetterberg, Feature Architect Energy Management, Volvo Group Trucks Technology & Industrial Division

**15:40 Urban Fast Charging at Scale: Insights from the Audi charging hubs**  
Dr.-Ing. Francesco Montanari, Project Lead Software, Data & AI, Audi charging hubs

**16:30 Moderators' closing remarks and close of conference**

E1

**Track E – Cybersecurity & Connectivity****DEALING WITH THE CRITICAL IMPORTANCE OF CYBERSECURITY IN CONNECTED VEHICLES**

08:30 Morning coffee and exhibition visit

**09:00 Moderator's Introduction**

Dr. Ana Magazinius, Cybersecurity Manager, Micropower Group

**09:10 Product Cybersecurity + Ecosystem Approach**

Tomasz Werocy, Product Cybersecurity Compliance Officer, Volvo Buses

**09:50 Real-Time Operating System Development: Aligning Safety and Security**

Carmelo Loiacono, Field Applications Engineer, Green Hills Software, Italy

**10:15 Navigating an Uncertain Threat Landscape: The Advent of AI and the New Reality of Global Affairs**

Jacob Hennricson, CEO, Nordsnipe &amp; Advisor, Cybercampus Sweden KTH

10:50 Networking break and exhibition visit

**Panel Discussion****11:30 Automotive Cybersecurity & AI**

Dr. Ana Magazinius, Cybersecurity Manager, Micropower Group

Steven Van Acker, Cybersecurity Researcher and Penetration Tester, OverTheWire.org, VantaSec AB  
Heidi Norman, Founder, Cybersecurity Expert and AI Act Explorer, AIRENEKristina Knaving, Senior Researcher and Advisor, AI Governance, Ethics and Risk, Literate Design  
Martin Böhner, Cyber Sec Expert, Cognizant Mobility**12:00 AI Trends Through the Lens of Safety Engineering and Cybersecurity**

Sofie Weidenlöw, Manager for Safety and Cyber Security Risks, Volvo Penta

12:40 Networking lunch break and exhibition visit

**13:50 Redefining Risk: From Exposure to Intelligence-Driven Automotive Cybersecurity**William Dalton, VP and Managing Director Europe and North America, VicOne, Ireland  
Girish Warriar, Senior Solution Director, Software Defined Vehicle, HCLTech, U.S.A**14:10 Mobility Cyber Risk Has Moved: From the Vehicle to the System That Operates It**

Giuseppe Serio, VP of Market Development, Upstream Security

14:30 Networking break and exhibition visit

**15:00 Where Automotive Cyber Security Meets Machine Learning**

Mahshid Helali Moghadam, Senior Data Scientist, Researcher, TRATON

**15:40 Cybersecurity in Automotive: Demystifying the Shady World of Cybersecurity and Hackers**

Auke Zwaan, Founder, Cybersecurity Specialist and former Hacker, Black Swan Cyber Defense, the Netherlands

16:30 Moderator's closing remarks and close of conference

CONGRESSHALL

**Track F – Software Defined Vehicles & AI****HOW TO CREATE SPEED IN SOFTWARE DEVELOPMENT?**

08:30 Morning coffee and exhibition visit

**09:00 Moderator's Introduction**Martin Törngren, Professor in Embedded Control Systems, KTH Royal Institute of Technology  
Jonn Lantz, Technical Leader in Agile Software Development, Volvo Group**09:10 Trustworthy DevOps and Digitalization for Complex Automotive Systems**

Martin Törngren, Professor in Embedded Control Systems, KTH Royal Institute of Technology

**09:45 From Hardware to Code: Overcoming the Challenges in Software-Defined Vehicle Platforms**

Uwe Klaus Brandenburg, Chief Technology Officer &amp; Senior Vice President Automotive and Manufacturing, DXC Technology, Germany

**10:10 Software-Defined Vehicles: Turning Vision into Reality**

Martin Kristensson, Head of Software Defined Vehicle, Volvo Cars

10:50 Networking break and exhibition visit

**Panel Discussion****11:30 AI-Defined Vehicles: From Intelligent Nodes to Ecosystem Game-Changers**Anton Wieselblad, Head of Data streaming and AI within the Section for Autonomous Intelligent Control Platform, Scania, former Start-up Ecosystem Manager, Scania Innovation Centre China  
Mingke Luo, Founder, MASONS.AI  
Jan Bosch, Professor of Software Engineering, Director Software Center, Chalmers University of Technology, Professor of AI Engineering, Eindhoven University of Technology  
Simon Edström, Product Owner RnD AI Enablement, TRATON Group  
Nathan Bulkeley, AI Capability Lead and SDV Architect, Coretura**12:00 Scaling Connected Mobility: Overcoming Deployment Barriers in Connected Vehicle Ecosystems**

Dr. Frank J. Jiang, CEO &amp; Co-Founder, FleetMQ

12:30 Networking lunch break and exhibition visit

**13:40 Transforming Real-Time Data Exchange for Software-Defined Vehicles with DDS and TSN**

Fernando Garcia, Principal Software Engineer, RTI, Spain

**14:00 Regulations in Digitized Vehicles, Friends or Foes?**

Dr. Kirsten Matheus, Expert Data, Digitalization &amp; Artificial Intelligence, VDA German Association of the Automotive Industry, Germany

**14:40 Navigation Toward Software-Driven Mobility: Embracing the Revolution by Leveraging AI, Data, and End-to-End Development**

Christoph Müller, System Architect Software Defined Vehicle, Bosch Engineering, Germany

15:00 Networking break and exhibition visit

**15:30 Accelerating SDV Through Strategic Software Partnerships**Abhishek Michael, Partnership Manager, TRATON  
Georg Pinkert, Engineer, Applied Intuition**16:00 Beyond Agile: Building the AI-First R&D Organization for SDVs**

Jan Bosch, Professor of Software Engineering, Director Software Center, Chalmers University of Technology, Professor of AI Engineering, Eindhoven University of Technology

16:40 Moderators' closing remarks and close of conference

E3

**Track G – The Business & Strategic Collaboration of Mobility & Transportation****FINDING VIABLE BUSINESS MODELS AND REVENUE STREAMS IN THE NEW TRANSPORTATION ECOSYSTEM**

08:30 Morning coffee and exhibition visit

**09:00 Moderator's Introduction**

Hans Arby, Senior Researcher, RISE Research Institutes of Sweden, 1st vice chair, Transport Board, City of Gothenburg, Senior Adviser, Arthur D. Little

**09:10 Insights from the Fleet & Mobility Barometer 2026**

Frank Svenhard, Director Nordic Consulting, Arval

**09:45 Fireside Chat: The Most Meaningful Progress Happens Together – Collaboration as Strategy in SDV**

Maria Kängevall, Chief Partnership Officer, Coretura

**10:15 From Driver Assistance to Driverless: Engineering the Software Backbone of Autonomous Mobility**

Michele Del Mondo, Senior Director, Global Advisor Automotive, PTC

10:40 Networking break and exhibition visit

**Panel Discussion****11:20 Vehicle Software Deployment: A Strategic Investment for Competitive Advantage**Malin Broqvist Andersson, Program Director, Drive Sweden  
Vivetha Joshna Natterjee, Head of Product & Deployment, Autonomous Driving, Bolt  
Morten Schjødt-Osmo, Strategy and Business Developer, VY, Norway  
Thomas Axelsson, Autonomous Vehicles and Mobility, Lindholmen Science Park**12:00 How a Traditional Operator Works with Autonomy: Lessons from VY**

Morten Schjødt-Osmo, Strategy and Business Developer, VY, Norway

12:40 Networking lunch break and exhibition visit

**13:50 Vehicle Software Deployment: A Strategic Investment for Competitive Advantage**

Henrik Kleвлjung, Expert Platform Architect, Volvo Group

**14:30 Open-Source Based Platform to Demonstrate a New Way of Designing and Producing Cars**

Jonas Nyvang, CEO &amp; Co-founder, Stilfold

15:00 Networking break and exhibition visit

**15:30 When Policy Meets Reality: Navigating the Regulatory Storm Towards Fossil-Free Freight Transport**

Kristina Andersson, Senior Researcher/Legal Expert, RISE Research Institutes of Sweden

**16:10 From peripheral player to ecosystem catalyst: How firms can lead without owning the platform**Anya Ernest, People Manager, Polestar Connected Services  
Maya Hoveskog, Associate Professor Innovation Management, School of Business, Innovation and Sustainability, Halmstad University  
Ellinor Sudow, Project Manager, Halmstad University Solar Team  
Magnus Holmén, Professor Innovation Sciences, School of Business, Innovation and Sustainability, Halmstad University

16:40 Moderator's closing remarks and close of conference