DAY 1 Keynote Sessions and Strategic Debates

2023

TRENDS AND DRIVERS SHAPING THE FUTURE OF MOBILITY - CONGRESSHALL

08:30 Morning coffee and registration

09:00 Moderator's Introduction

Magda Collado, Commercial Project Manager, Volvo Autonomous Solutions Kent Eric Lång, Senior Project Manager, RISE Research Institutes of Sweden

KEYNOTE

09:10 The autonomous Gap – Claim and reality of autonomous mobility concepts in Europe, China and the USA

- Requirements for successful autonomous mobility concepts
- · Identified gaps on the way to scaled and sustainable autonomous mobility systems
- · How to close the gaps as OEM, mobility service provider, ecosystem stakeholder

Augustin Friedel, Senior Manager Mobility Transformation, MHP – A PORSCHE COMPANY

KEYNOTE

09:50 Thriving in the Disruption in Automotive: Speed, Data and Ecosystems

- · The digital transformation is causing a disruption in automotive
- Companies need business agility and speed
- Decision making needs to be data driven and based on experimentation
- · We need to be intentional about our positioning in the business ecosystem

Dr. Jan Bosch, Professor of Software Engineering, Chalmers University of Technology

10:30 Networking break and exhibition visit

PANEL DISCUSSION & INTERACTIVE AUDIENCE Q&A SESSION

11:10 How to Enhance the Transition to Smart Cities and Sustainable Mobility?

- How will the technological transport revolution transform our cities?
- How can collaboration between cities, transport operators, corporates and startups enhance the transition to smart cities and sustainable mobility?
- Using public procurement as a strategic tool to achieve sustainability and climate goals
- For which kind of services will the first electrified autonomous vehicles be deployed?
- What impact will the AV technology have on the way people travel?

Johan Florin, Project Leader – Autonomous Vehicles, CEVT Augustin Friedel, Senior Manager Mobility Transformation, MHP – A PORSCHE COMPANY, Germany Ole Kristian Gjertsen, Project Manager Strategy & Sustainability, Ruter AS, Norway Geir Rossebø, Sustainability Manager in the Agency for Improvement and Development, City of Oslo, Norway

KEYNOTE

11:50 Creating a common European Mobility Data Space

- At the crossroads of the European strategy for data and the Sustainable and Smart Mobility strategy
- · Challenges of sharing mobility and transport data
- Objectives, vision and actions towards a common European mobility data space (EMDS)
- Use cases and their added value for the mobility transition ahead

Dimitrios Gkatzoflias, Policy Officer, European Commission



DAY 1 Keynote Sessions and Strategic Debates

2023

TRACK 1 - TECHNICAL CHALLENGES & SOLUTIONS - CONGRESSHALL

TECHNOLOGIES ENABLING MOBILITY TRANSFORMATION

KEYNOTE

13:30 Drive Pilot – Level 3 Automated Driving at Mercedes-Benz

Dr. Martin Hart, Director Driver Assistance Systems & Active Safety, Mercedes-Benz, Germany

14:05 Optimizing Through-life Performance of Connected Electric Vehicles

David Sampson, UK & Nordics Engineering Manager, MathWorks, U.K.

Fredrik Håbring, Principal Application Engineer, MathWorks, Sweden

KEYNOTE

14:35 Electric Regional Aircraft 2026

Christoffer Levandovski, Head of the Resarch and Development Program, Heart Aerospace

15:10 Networking break and exhibition visit

15:50 How to Certify ADAS Functionality to be Automotive Grade without Hitting the Road

Sunitha Subramaniam, Automotive Grade Quality Expert, Hexagon, Germany

KEYNOTE

16:10 An iterative way of working towards Automated Driving

Daniel Langkilde, CEO and Co-Founder, Kognic

16:30 Moderators closing summary

16:40 Networking Drinks Presented by Diadrom

TRACK 2 – A MOBILITY SECTOR MEETING A DISRUPTIVE LANDSCAPE - E1+E2+E3

WINNING STRATEGIES IN THE NEW AUTONOMOUS, CONNECTED & ELECTRIC LANDSCAPE

KEYNOTE

13:30 How Can the Mobility Sector Move to a Model that Creates Lasting Relationship With Multiple Value Exchanges?

Jason Craker, Transformation Director, ChangeMaker Associates. U.K.

14:20 Empowering Tomorrow's Automotive Software with enabling technologies for the software-defined vehicle

Soltan Ritter, Vice President, ETAS GmbH, Germany

14:40 Networking break and exhibition visit

15:20 What are the Challenges and Benefits of Imaging, Simulating & Validating Mobility Experience Virtually?

Frédéric Merceron, T&M Industry Solution Experience Director, Dassault Systèmes, France Dirk Slama, Vice President, Robert Bosch GmbH

KEYNOTE

15:40 Autonomous Transports – the Hype that Is Here To Stay!

Therese Reinhammar, Director & Head of Autonomous Solutions Delivery, Scania Autonomous Solutions

KEYNOTE

16:15 Electrification and Automation – Ending 100 Years of Simplification

Per Olof Arnäs, Director Logistics Strategy, Einride

16:50 Moderators closing summary

16:55 Networking Drinks Presented by Diadrom



DAY 2 In Depth Specialist Sessions

2023

TRACK A - ELECTRONICS & ARCHITECTURE

A NEW ARCHITECHTURE FOR THE SOFTWARE DEFINED VEHICLE - CONGRESSHALL

08:30 Morning coffee and exhibition visit

09:00 Moderator's Introduction

Christina Rux, Solution Architect, WirelessCar Volker Kuz, Head of Data Analytics Vehicle and Cloud Platform, CARIAD, Germany

KEYNOTE

09:10 Enabling Future Software Defined Vehicles

Rinat Asmus, Director for Embedded System and Software, Vector NA. Germany

09:50 The Software Defined Vehicle Ecosystem

Erik Coelingh, VP Product, Zenseact

10:30 Case Examples of 10BASE-TIS: Supporting the Transition to Zonal Architectures and Ready for Automotive Production

Fionn Hurley, Marketing Manager – Automotive Cabin Electronics Group, Analog Devices, Ireland

10:50 Networking break and exhibition visit

KEYNOTE

11:20 The Role of the In-Vehicle Networking Technologies in Future EE-Architectures

Kirsten Matheus, In-Vehicle Networking Strategist, BMW Group, Germany

11:50 The Usage of Intelligent Power Devices in upcoming power distribution systems

Christoph Schulz-Linkholt, Lead Principal System Architect Power Distribution, Infineon Technologies, Germany

12:10 Networking lunch break and exhibition visit

KEYNOTE

13:10 Architecture of the Data Flow Enabling New User Experiences From Connected Vehicles

Paul Aston, Software Evangelist, Volvo Cars

KEYNOTE

13:50 How Open Source enables Software-Carmaker Collaboration

Thomas Fleischmann, VW.os Applikationen Framework & IoT, CARIAD, Germany

14:30 Networking coffee break and exhibition visit

15:00 New Trends in the Market have Impact on Internal Processes

Georg Hiebl, Product Manager for the Mobility Division, Aucotec, Austria

PANEL DISCUSSION & INTERACTIVE AUDIENCE Q&A SESSION

15:20 Data Mesh Architecture at Practice

Thomas Fleischmann, VW.os Applikationen Framework & IoT, CARIAD, Germany

Camilla Parflo, Head of Enterprise Data Architecture & PO for Data Management & Innovation, Zenseact Simon Lidberg, Director Specialist Advanced Analytics & Advanced Data, Microsoft

KEYNOTE

16:00 Building an Architecture Modeling Framework which Enables CI/CD

Daniel Ratiu, Senior Software Engineer, CARIAD, Germany

16:35 Moderator's closing remarks and close of conference

TRACK B – AUTONOMOUS VEHICLES & ACTIVE SAFETY

LAYING THE ROAD FOR SAFE AUTONOMOUS VEHICLES - E4

08:30 Morning coffee and exhibition visit

09:00 Moderator's Introduction

Dr. Håkan Sivencrona, Chief Safety Manager, Zenseact

KEYNOTE

09:10 Waymo's Approach To Ensuring Safe Deployment Of Fully Autonomous Driving Technology

Dr.Trent Victor, Director of Safety Research and Best Practices, Waymo, U.S.A.

09:50 SDV: Paradigm change in the Automotive Industry – Opportunities and Challenges

Gustavo Oyervides Zerrweck, Senior Practice Director – Autonomous Driving, KPIT, Germany

10:15 Robo-technology and Shared Mobility For Smart Livable Cities

Johan Florin, Project Leader – Autonomous Vehicles, CEVT

10:50 Networking coffee break and exhibition visit

KEYNOTE

11:20 Bridging the Gap between Finalized ALKS Product Development and Certification and Registration

Erik Walet, Senior Advisor Automated Driving Vehicles, RDW, the Netherlands

12:00 Smart Data Usage Leading to Smart AV Design Certification – Critical Scenarios & Recorded Data

Robin Van der Made, Director Product Management AV, Siemens Digital Industries Software, the Netherlands

12:20 Networking lunch break and exhibition visit

KEYNOTE

13:20 Blockchain Based Tools for Integrating AI as a Support in Establishing an Efficient Vehicle Control

Kathrin Kind-Trueller, Chief Data Scientist – AI A. Director, Cognizant Technology Solutions, Norway

13:55 The Regulatory Landscape for Automated Vehicles – for Development and Operation

Per Johannessen, Director Safety Regulations and Standards, Volvo Autonomous Solutions

14:25 Solving the Toughest ADAS Challenges to Optimize and Enhance System Level Performance

Dr. Gabor Vinci, Manager Marketing Strategy and Business Operations, APTIV, Germany

 $14:\!50\ Networking\ coffee\ break\ and\ exhibition\ visit$

PANEL DISCUSSION & INTERACTIVE AUDIENCE Q&A SESSION

15:20 Autonomous Vehicles – A Waiting for Godot?

Bogdan Bereczki, Co-Founder and Managing Director, Certivity, Germany

Alejandro Morate, Director – Autonomous Drive, CEVT Åsa Laveno, Senior Director, Head of AD & ADAS functions, Volvo Cars

Pedro Lopez, Director of Automotive, Real-Time Innovations (RTI), Spain $\,$

Muthualagappan Sathappan, Head of Automotive Practice, HCLTech, India

KEYNOTE

16:00 Continuous Homologation of ADAS and Automated Driving Systems

Bogdan Bereczki, Co-Founder and Managing Director, Certivity, Germany

16:35 Moderator's closing remarks and close of conference

TRACK C - TESTING & VALIDATION

DEVELOPING TESTING METHODS IN COMPLEX AUTOMOTIVE SYSTEMS - E1

08:30 Morning coffee and exhibition visit

09:00 Moderator's Introduction

Peter Janevik, CEO, AstaZero

KEYNOTE

09:10 Euro NCAP's Outlook for Active Safety

Adriano Palao Bernal, Technical Manager – ADAS & Automated Driving, Euro NCAP, the Netherlands

KEYNOTE

09:50 Testing Gripen E – Test Automation and Exploratory Testing

Dr. Torvald Mårtensson, Technical Fellow, Saab Aeronautics, and Associate Professor, Linköping University

10:30 Networking break and exhibition visit

11:00 Challenges in testing and validation of future zonal network architectures

Colt Correa, COO & VP, Intrepid Control Systems, U.S.A.

KEYNOTE

11:25 Automotive Test-driven Development at Volvo Cars

Sabina Edenlund, Technical Leader – Test Driven development, Volvo Cars

12:00 Networking lunch break and exhibition visit

13:00 Going Beyond ADAS Test Methodologies: NI and OEMs Partner to Unify Replay and HIL Test System

Vitali Anselm, Business Development Manager ADAS and Autonomous Vehicles, NI, Germany Henrique Sanches, Software Engineer ADAS and Autonomous Vehicles, Konrad Technologies, U.K.

13:20 Design for Ops-data collection — a Means to Speed up V&V

Dr. Rolf Johansson, Independent advisor, ASTUS

14:00 ISO/SAE 21434: Fulfilling the software objectives

Mark Pitchford, Technical Specialist, LDRA, U.K.

14:20 Networking coffee break and exhibition visit

PANEL DISCUSSION & INTERACTIVE AUDIENCE Q&A SESSION

14:50 Managing Complexity & Variability in Automotive Testing

Peter Janevik, CEO, AstaZero Rolf Johansson, Independent Advisor, Astus Fredrik Sandblom, Expert on Safe Automated Driving Systems, Zenseart

Per Nordqvist, Simulation Expert, CEVT

Henrik Liebau, Manager R&D Autonomous Drive Emulation Test, Keysight Technologies, Germany

15:30 Safety Critical C++: Combining Best Coding Practices with Best Automotive Practices

David Friberg, Product Owner & Technical Expert, Zenseact

16:05 Simulation for AD – Balancing Simulation Fidelity vs Scalability

Per Nordqvist, Simulation Expert, CEVT

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



DAY 2 In Depth Specialist Sessions

2023

TRACK D - ELECTRIFICATION

CHALLENGES, DEVELOPMENT AND IMPLEMENTATION OF EV TECHNOLOGIES - E3

08:30 Morning coffee and exhibition

09:00 Moderator's Introduction

Stefan Pettersson, Adjunct Professor, Chalmers University of Technology and Director of Electromobility, RISE Research Institutes of Sweden

Linda Olofsson, Director, Swedish Electromobility Centre

KEYNOTE

09:10 20 Years of Swedish eMobility Research and Development, what has been and what lies ahead?

Nils-Gunnar Vågstedt, Senior Expert Electromobility, Research & Innovation, Scania Group and Chairman of the Board, Swedish Electromobility Centre

KEYNOTE

09:45 Fuel Cells - from Research to Mass Production

Lars Johansson, COO, Cellcentric GmbH & Co. KG. Germany

10:25 Networking break and exhibition visit

10:55 Vehicle-to-Grid: EVs role in a

Renewable Energy System Emanuella Wallin, Product Owner Charging Energy R&D and Project Leader for V2G,

Baerte de Brey, Chief International Officer, ElaadNL och Vice President, AVERE, The European Association for Electromobility

11:30 Challenges in Electrified Battery Design and Development

Guenther Hasna, Chief Technologist, Office of the CTO, Ansys, Germany

12:00 Prognostics and Health Management for Power Electronics Klas Brinkfeldt, Head of Systems

Integration, RISE Research Institutes of Sweden

12:30 Networking lunch break and exhibition visit

13:30 Challenges of Scaling up Electromobility

Mats Alaküla, Professor at Industrial Electrical Engineering and Automation, Lunds University

14:15 Cyber Security Needs in the Modern Vehicle

Mohammad Islam, Head of Cyber Security. Semcon

14:35 What is the True Innovation in E-mobility?

Andréas Jonsson, M.Sc, Advisor E-mobility,

14:55 Networking break and exhibition

15:25 The Electricity System - an Enabler or an Obstacle in the Journey towards an Electrified Transport Sector?

Martin Olin, Responsible for E-mobility, Swedenergy

PANEL DISCUSSION

15:50 Hydrogen or Batteries as Energy Storage for Vehicles

Fredrik Wigelius, Manager Sales Operations, Toyota Sweden

Nils-Gunnar Vågstedt, Research & Innovation, Scania Group Lars Mårtensson, Environment and Innovation

Director, Volvo Trucks Migo (Michael) Richter, Marketing Development

Director, Siemens EDA-Munich, Germany Guenther Hasna, Chief Technologist, Office of the CTO, Ansys, Germany

16:25 Electric Regional Aircraft 2026

Christoffer Levandovski, Head of the Resarch and Development Program, Heart Aerospace

16:50 Moderator's closing remarks and close of conference

TRACK E - CYBERSECURITY & CONNECTIVITY

DEALING WITH THE CRITICAL IMPORTANCE OF SECURITY IN **CONNECTED VEHICLES - H2** 08:30 Morning Coffee & Exhibition Visit

09:00 Moderator's Introduction

Dr. Ana Magazinius, Security Officer, Polestar

09:10 Cybersecurity: Demystifying the Shady World of Cybersecurity and Hackers

Auke Zwaan is a respected Dutch cybersecurity expert and hacker with professional experience in penetration testing, red teaming, cyber threat intelligence and incident response for some of the largest organizations in the Netherlands. He is the founder of Black Swan Cyber Defense.

09:50 Cyber security - Understanding of the Current Global Threat Picture and Insight into how these Threats can affect the Automotive Industry

Staffan Truvé, CTO & Co-Founder, Recorded

10:20 Leveraging Both Silicon and Software Security to Develop a Secure System

Arnaud Van Den Bossche, Business Development Director, EMEA, Green Hills Software Germany

Nikola Velinov, Senior Business Development Engineer, EMEA, Green Hills Software, Germany

10:45 Networking Break & Exhibition Visit

KEYNOTE

11:20 It is an exciting era with the Cellular (3GPP) Generations, but it is also Causing Headache for the Automotive Sector

Mikael Nilsson, Technical Leader - Communication Systems, Volvo Cars

12:00 Continuous Compliance in an Environment of Rapidly Changing Architectures and Organizations

Ali Shahrokni, Cybersecurity Product Owner,

12:20 Networking Lunch Break & **Exhibition Visit**

13:20 Connected Situational Awareness - Vehicle as a Sensor

Bas Oremus, Research Engineer, Scania

14:05 Formal Methods to Continuously Deliver Rock-Solid and Secure Software to Vehicles

Olivier Korach, Senior Presales Engineer. TrustInSoft, France

14:25 Networking Break and Exhibition Visit

A FIRESIDE CHAT

15:00 Connected Vehicle Data-Driven Monitoring – Opportunities and Challenges

Tobias Sternyik, Director Enterprise Architecture. Volvo Group Connected Solutions Ric Vicari, VP. EMEA Upstream Auto, U.K.

15:20 Supply Chain Challenges within Cybersecurity

Mattias Jidhage, Security Architect, Wireless Car

PANEL DISCUSSION & INTERACTIVE AUDIENCE Q&A SESSION

16:00 Facing the Cyber Security Challenge in the Vehicles and Supply

Dr. Ana Magazinius, Security Officer, Polestar Auke Zwaan a respected Dutch cybersecurity expert and hacker

Gregor Knappik, Cybersecurity Solutions Architect, VicOne, a subsidiary of Trend Micro,

Dr. Dennis Kengo Oka, Principal Automotive Security Strategist, Synopsys

16:40 Moderator's Closing Remarks & Close of Conference

TRACK F - SOFTWARE DEVELOPMENT & DIGITALIZATION

HOW TO CREATE SPEED IN SOFTWARE **DEVELOPMENT? - HI**

08:30 Morning Coffee & Exhibition Visit

09:00 Moderator's Introduction

Jonn Lantz, Technical Leader in Agile Software Development, Volvo Cars

09:10 Large Scale Agile Development -Sharing 5 Years of Experiences

Maria Hansson, Change Leader, Volvo Cars

09:45 The Agile Manifesto and how Software Practices Influenced the Automotive Industry to Change

Heidi Norman, Sidekick, Assured

10:20 Networking break and exhibition visit

10:50 Approaching End-to-End Virtual AD Development and Validation for the Software Defined Vehicle based on open-source software usage

Christoph Hennig, Technical Director / Head of CoC AD Digital Twin, Luxoft, Germany

11:15 Can Blockchain Revolutionize Future Vehicles?

Zara Zamani, Chief Solutions Officer, ChromaWav

11:45 Cloud-native Technologies for **Embedded Systems**

Andreas Raisch, Senior Manager Software Development, Vector Informatik, Germany

12:10 Networking lunch break and exhibition visit

KEYNOTE

13:10 Blending Agile and Waterfall Methods for Complete Vehicle Delivery

Scott Davis, Change Catalyst, Volvo Group Trucks Technology

13:40 Beyond Github Co-pilot: Using Language Models to Achieve 10x **Development Productivity** Improvement

Prof. Dr. Miroslaw Staron, University of Gothenburg

14:10 How to Create Speed in SW Development Between Multi Legal Entities in the Infotainment Automotive Domain

Morgan Vos, CTO, HaleyTek

14:30 Networking break and exhibition

PANEL DISCUSSION & INTERACTIVE AUDIENCE O&A SESSION 15:00 Coping with Software Complexity

in Vehicle Development Heidi Norman, Sidekick, Assured

Ivan Cronie, Global Technology Manager, Volvo Technology Ehsan Zaeimzadeh, Director Continuous Integration & Test Systems, Volvo Cars Thomas W Mueller Global Head of Automotive Engineering & SDV, Wipro CTO Engineering

15:45 Speed, Digitalization and Responsivity - a Human Centric Approach to Keep the Business thru Change

Services

Patrik Dahlqvist, Change Catalyst, Into The New

16:25 Moderator's closing remarks and close of conference

TRACK G - THE BUSINESS OF TRANSPORTATION

FINDING VIABLE BUSINESS MODELS AND REVENUE STREAMS IN THE NEW TRANSPORTATION ECOSYSTEM - E2 08:30 Morning Coffee & 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 E2E Supply chain digitalization from factory to end customer in relation with mobility and connectivity

Mamun Abdullah, Head of Operations (OTD) Digital Platform, Lynk & Co

09:45 Overcoming engineering challenges in moving from Concept to Volume

Marko Šustić, HMI Expert, Bugatti Rimac Matt Mickle, Manager of Consulting, EMEA, Jama Software

10:10 Networking Break & Exhibition

10:40 How GPS-data is creating value for Scania customers

Sara Sylvan, Product Owner, Geospatial Team within the Connected Systems Department, Scania

KEYNOTE

11:20 East meets West - How to excel in your collaboration with China

John Sparrefors, Account Executive Geely Group, Capgemini

11:50 Networking Lunch Break & **Exhibition Visit**

business case? Adam Laurell, former Director Business & Services at NEVS gives his view and share learnings from four years responsible for business and service development for the PONS program at NEVS together with Felix

Andlauer, VP Mobility Solutions, NEVS

12:50 NEVS - didn 't we have a valid

13:30 Municipalities and the Mobility Market - know when a Municipality is a Suitable Customer for your new Service

Håkan Burden, Senior Researcher, RISE Research Institutes of Sweden Susanne Stenberg, Senior Researcher, RISE Research Institutes of Sweden

14:10 Networking Break and Exhibition

Lina Dahlander, Country Manager, Bolt Ride-Hailing Sweden

Ecosystem of the Future

14:50 Building the Transportation

PANEL DISCUSSION & INTERACTIVE **AUDIENCE O&A SESSION**

15:30 The Transportation Industry as a Service - what does that mean and what can we learn from other Industries?

Maria Backlund, Project Manager Mobility, Lindholmen Science Park Adam Laurell, Director Business & Services,

Lina Dahlander, Country Manager, Bolt Ride-Hailing Sweden

Håkan Burden, Senior Researcher, RISE Susanne Stenberg, Senior Researcher, RISE

16:10 Moderator's Closing Remarks & Close of Conference