SOCIÉTÉ DES
INGÉNIEURS DE
L'AUTOMOBILE

International congress & Exhibition

SIA CESA 2025

Automotive Electronics

12 & 13 FEBRUARY 2025

PALAIS DES CONGRÈS, VERSAILLES

PLAXIDITYX

Automotive Cyber Security

Vehicle Security

◆

DevSecOps

◆

Fleet Protection

◆

Theft Prevention

◆

Professional Services

CESA 2025
Visit us at booth #17

Software and Architecture will be the main focus of SIA CESA 2025

For over a decade, the SIA CESA congress has been the biennial gathering allowing all electronics and software stakeholders to share the latest state-of-the-art and innovative achievements. In line with this objective, and with the support of our OEM & suppliers members, the next edition will be focused on the dual theme of the Software Defined Vehicle and the new electronic architectures.

Chairman's word

Cyril LAURY
Conference Chairman, FORVIA

Succeeding to Jochen Langheim as president of the CESA Congress is a great honor for me. That's quite a step-up from my SIA expert position and a great challenge.

The next edition of this congress will take place in Versailles on February 12th and 13th, 2025 and will focus on Software Defined Vehicle as well as New Electronic Architectures.

We will cover as many topics as possible around those strategic trends during those two days with representants from European commission, Automotive OEM, Tier-1 and suppliers.

This should give us a refreshed view and insight on this rapid paced transformation and we are really looking forward meeting you there!

Organizing & Program Committee

Chairmen

Cyril LAURY, Forvia
Antoine LAFAY, Valeo
Martin SCHLEICHER, Continental

Steering & Scientific Committee

David ARNOLD, Michelin
Liliana CUCU, INRIA
Philippe CUENOT, Continental
Eric DALLA VECCHIA, Capgemini
Guillaume FUMAROLI, Valeo
Michael KLINGER, ETAS
Jochen LANGHEIM, ST Microelectronics
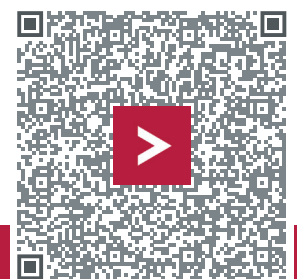**Jean-Luc MATE, Continental**
Julien RICHEFEU, Forvia

We are at CESA2025
Visit us at our booth n°11

We help you build your **Software Defined Vehicle**
Discover our solutions :

> **Base Layer**
> **Software Factory**
> **SDV Services**
> **SDV Cloud**

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PROGRAMME 12 FEBRUARY 2025

08:00 ›	**OPENING AND WELCOME COFFEE**	
	INTRODUCTION	
08:45 ›	**Welcome introduction** Cyril LAURY, Forvia & Congress President Frédéric CHARON, Forvia & SIA General Director	
09:00 ›	**Keynote by Eric KIRSTETTER** Senior Partner, Roland Berger	
09:20 ›	**Keynote by Henry BZEIH** Chief Software Officer, Ampere	
10:00 ›	**Coffee Break**	
	SOFT & SDV - STRATEGY	**TOOLCHAIN**
10:30 ›	**Keynote SDV in a Historical Context** David HELWIG, Mercedes-Benz	**Impacts of new Electronic architectures and technologies on Electromagnetic Compatibility (EMC) Expertise** Frédéric LAFON, Valeo
11:00 ›	**Software changes the Automotive Industry - Software Stacks enforces new Development Paradigms** Detlef ZERFOWSKI, ETAS	**"Digital Twin" for Classic AUTOSAR ECU** Torsten HERMANN, Continental
11:30 ›	**Are SDVs the key to survival for car manufacturers?** Raul LATORRE FORTES, Elektrobit	**Shadow Mode and data collection in Series Vehicles** Irene PULIDO-AMES, ETAS
12:00 ›	**The headache of SDV today: Will it continue?** Boris SAVOURE, Capgemini Franck DESAULTY, Capgemini	**A model-based approach to migrate signal-based software applications to service-oriented architectures.** Luigi MILIA, MathWorks, Domenico FERRARI, MathWorks
12:30 ›	**Lunch Break**	
	SOFTWARE PANEL	
14:00 ›	**Keynote by Max LEMKE, DG Connect** Head of Unit Internet of Things	
14:15 ›	**Software Panel discussion lead by Martin SCHLEICHER, Continental:** • Jan KUBOVY, Research & Development Engineer at BMW • Sara GALLIAN, Senior Manager, SDV & Automative Programs et Eclipse • Derek DE BONO, Group Software Defined Vehicule Product Vice President at Valeo • Magnus LILJEQVIST, Global Technology Manager @ EEA Electrical and Electronics Architecture at Volvo Trucks • Dirk WALLISER, SDV Ambassador	
	SOFT & SDV - ARCHITECTURE	**CYBERSECURITY**
15:00 ›	**E/E Architecture Design for Software Defined Vehicles** Jörg SCHAÜFFELE, Vector	**Vehicle Trusted Time** Jocelyn LEHEUP, Ampere
15:30 ›	**Ampere MICROSAR-Based virtual ECU - the key piece of SDV SW factory** Fenlong LIU, Ampere Benjamin RAMEL, Vector	**SDV End-to-End Risk Management** Michael KLINGER, ETAS Moritz MONZLAFF, ETAS
16:00 ›	**Coffee Break**	
16:30 ›	**Getting insight from data in automotive: from configuration management to in-car data analytics** Nicolas COUTEAU, Expleo	**Streamlining Secure Software Development: Integrating DevSecOps with Automated TARA and SBOM** Victor MARGINEAN, PlaxidityX
17:00 ›	**Massive software validations in ADAS domain using virtualization at scale** Oussama BEN MOUSSA, Capgemini	**ISO/SAE 21434-based Automotive Risk Assessment Revisited** Amira BARKI, Ampere Jean-Baptiste MANGE, Ampere
17:30 ›	**Insight on the impact of emergence of Software Defined Vehicle on Electrical Electronical Architecture** Jean-Baptiste LAURENT, Forvia	**Rust in cars: simplifying architectures and optimizing costs** Frédéric AMEYE, Ampere
18:00 ›	**END OF THE DAY**	

Elektrobit

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Virtualization

In-vehicle network

Visit us at **Booth 9**

and meet us at one of **our conferences**:
Feb 12 at 11:30
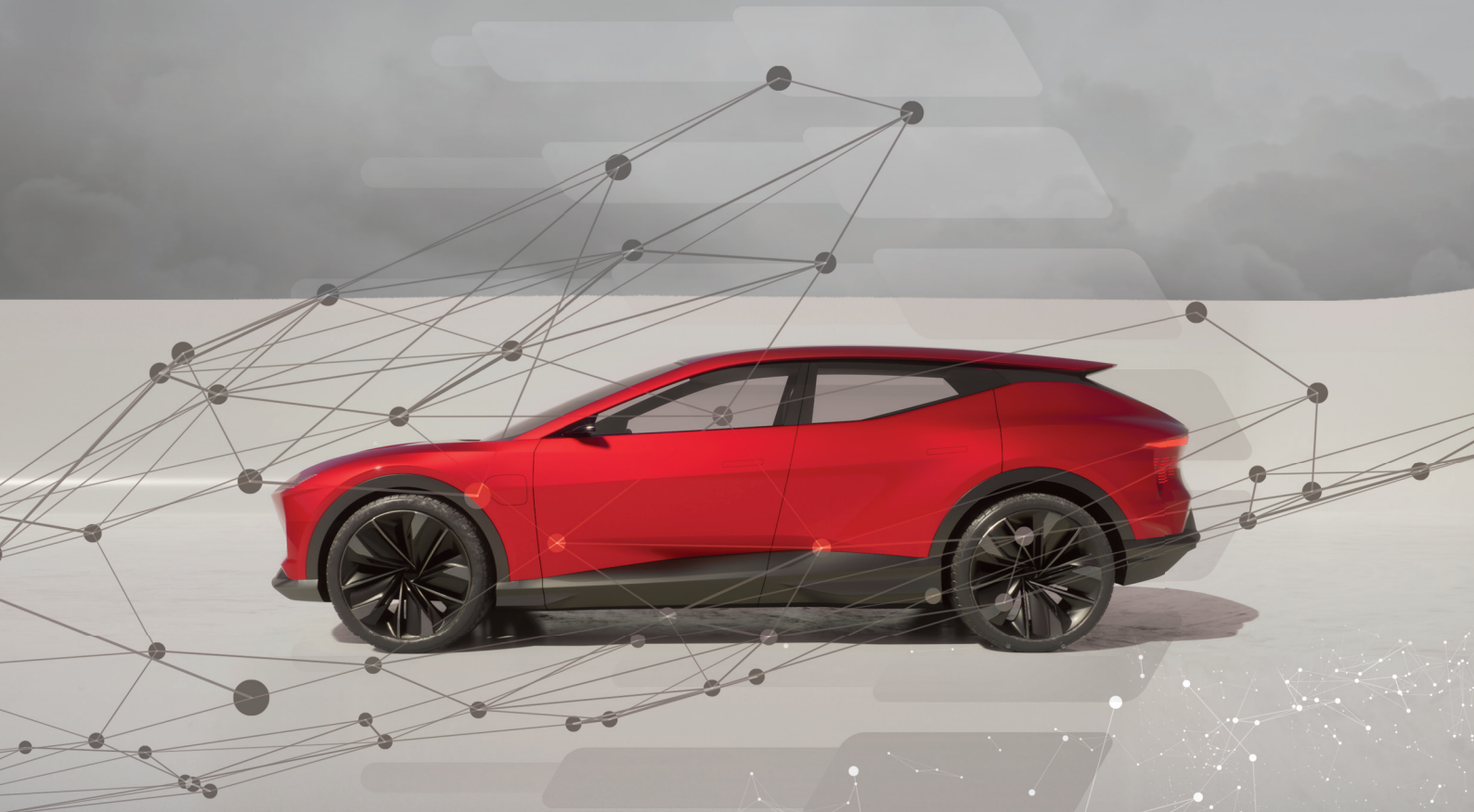*Are SDVs the key to survival for car manufacturers?*
Raul Latorre Fortes

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Elektrobit solutions**

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PROGRAMME 13 FEBRUARY 2025

08:15 ›	OPENING AND WELCOME COFFEE	
	INTRODUCTION	
08:45 ›	**Welcome introduction** Antoine LAFAY, Valeo	
09:00 ›	**Keynote by Vincent ABADIE** Director, Senior Technical Fellow ADAS and Autonomous Driving, Stellantis	

	SOFT & SDV - IMPLEMENTATION	**NETWORK (ON-BOARD CONNECTIVITY)**
09:30 ›	**Demystifying The Operating System for Software Defined Vehicle** Leo HENDRAWAN, BlackBerry QNX	**Levering the wiring harness geo-political challenges** Yannic FOROT, Leoni
10:00 ›	**Coffee Break**	
10:30 ›	**Competitiveness and Accelerated Time-to-Market through Advanced Product Development Methodologies** Mirko ENGELHARD, FEV	**Enablers for future generations of SDV: SDN, 10BASE-T1s & ASA-ML** Josetxo VILLANUEVA, Ampere
11:00 ›	**Linux based OS solution for safety related applications up to ASIL-B/ SIL-2** Muhammad Aqib Javaid BUTT, Elektrobit Ulrich KIRCHMAIER, Elektrobit	**Evaluation of Time-Sensitive Networking for future centralized architecture** Phlippe CUENOT, Continental
11:30 ›	**Realizing Future-Proof Architectures for Software-Defined Vehicles** Jeffrey CHOU, Sonatus	**Full-hardware networking for software defined and autonomous vehicles** Gerulf KINKELIN, CetraC
12:00 ›	**Lunch Break**	

	HARDWARE	**SOFTWARE & SDV / TOOLCHAIN**
13:30 ›	**Chiplets and enabling software eco-system** Daniel TUCHSCHERER, Bosch Florian KRAEMER, Bosch	**Software & SDV: System Design for the Software Defined Vehicle** Marcelino VARAS, Vector
14:00 ›	**Decentralized Fail-Operational Power Supply with Next Generation Automotive eFuses** Christopher LANKHEIT, Forvia	**Toolchain: High-bandwidth data acquisition for microprocessor-based application stacks** Andreas KLEGRAF, ETAS
14:30 ›	**The Backbone of SDVs: Centralized E/E Architectures and new HW/SW stack paradigm** Jean-Paul STEIN, McKinsey Fabian STEINER, McKinsey	**Software & SDV: Efficient execution of full vehicle functional safety projects** Martin RINGDORFER, AVL
15:00 ›	**Modular Central Computing Architecture as a Solution to Manage Automotive Lifecycles** Joachim MATHES, Valeo	**Toolchain: SDV in the Loop with SIL Kit** Christian KÖLLNER, Vector
15:30 ›	**Coffee Break**	
16:00 ›	**Secure distribution design for SDV** Nicolas MONTHEL, Ampere Philippe DUPUY, STMicroelectronics	**Toolchain: Synced µP - µC recompute with Deterministic Middleware and Co-Simulation Platform** Timo PENNDORF, ETAS
	CONCLUSION	
16:30 ›	**Keynote by Eric DEQUI** Senior Expert on Automotive Electronic Architecture & Cybersecurity for Connected car, Stellantis	
17:00 ›	**Keynote by Pierre CHASTANET** Head of the Unit for Microelectronics and Photonics Industry at the European Commission	
17:15 ›	**Hardware Panel discussion lead by Cyril LAURY, Forvia:** • Joachim MATHES, Chief Technology Officer at Valeo • Yannic FOROT, Head of Product Development at Leoni • Pierre CHASTANET, Head of the Unit for Microelectronics and Photonics Industry at the European Commission • Pierre COTTE, Automotive Ecosystem Marketing Director at NXP	
18:00 ›	**Conclusion** Cyril LAURY, Forvia Martin SCHLEICHER, Continental	

Usefull Informations

ACCESS

Palais des congrès de Versailles
10 Rue de la Chancellerie,
78000 Versailles

• Public transport

RER: line C, Versailles Rive Gauche - Versailles Château station (5 minutes' walk from the château).

Line N: Paris Montparnasse stops at Versailles-Chantiers station (20min walk from the château).

Line L: Paris Saint-Lazare to Versailles-Rive-Droite (15min walk from the château).

Line U: from La Défense to Versailles-Chantiers.

BUS 171: from Pont de Sèvres to the terminus (Château).

• By car

From A13: exit Versailles Château or Le Chesnay / Versailles Centre / Marly-le-Roi.

From A86: exit Versailles Château.

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