The international VDI-Congress ELIV (Electronics In Vehicles) is THE event for all experts dealing with electronics, electronics and system integration of mechanics and electronics. Running for more than 30 years, ELIV is the place where decision makers and experts from OEMs, suppliers and academia come together to share their knowledge, discuss innovations and gear up for future developments in vehicle electronics.

The congress covers traditional topics such as vehicle wiring system, control and display concepts, hardware and software and shines a light onto the latest trends like electromobility, automated driving, driver assistance systems and connected car.

Networking between OEMs and suppliers has become crucial to get an early grasp on innovations, developments and challenges.

More than 80 presentations will cover innovations and trends in vehicle electronics. The congress will be chaired by Dr. Rolf Zöller, Director Smart Connected Vehicle Porsche AG and Managing Director Porsche Digital.

Again this year ELIV offers young companies the opportunity of presenting their latest developments and products in automotive electronics at the start-up area.

Read this show magazine and learn about all of the highlights awaiting you in Bonn.
Car Presentations

At the entrance of the CCCE, between the exhibitors and on the basement delegates can explore innovative vehicles and electronic car solutions of the future.

Brose

Brose is the world’s fourth-largest family-owned automotive supplier. The company’s intelligent solutions for vehicle access and the interiors provide comfort and flexibility. Innovative concepts for thermal management increase efficiency and contribute to environmental and climate protection.

New mobility experiences are only possible through the intelligent interaction of many components in cars. At BOSE, Brose is presenting software that connects and controls all vehicle functions. BRAN – for Brose Access and Interior Network – increases user comfort and opens up new business models.

The modular software can be integrated into the electronic architectures of a wide variety of vehicles and domains. It is able to control over 300 parts simultaneously such as lighting or air conditioning. A configuration tool lets the user decide how the vehicle comfort functions should behave. BRAN translates these requests into control signals and coordinates the movement of the components. Functions can be added quickly and easily. A cloud link opens new business models in which users can purchase additional features as permanent add-ons or pay-per-use services.

Brose Fahrzeuggelände SE & Co. KG, Bamberg: Berliner Ring 1, 96052 Bamberg, Germany.
www.brose.com; broser@brose.com; Phone: +49 (951) 11-6; Contact person: Christoph Meag
TW AICE provides predictive analytics software that optimizes the development and operation of lithium-ion batteries. TW AICE’s core technology is the digital twin—a software that combines deep battery knowledge and artificial intelligence to determine the condition and predict the aging and performance of batteries. This makes complex battery systems more transparent, effective, and reliable. As the leading battery analytics software for global players in the mobility and energy sectors, TW AICE is committed to increasing the lifetime, efficiency and sustainability of the products that power the economy of tomorrow.

The TW AICE Battery Model Library provides access to numerous high-fidelity electrical, thermal, and aging battery cell models of the latest lithium-ion battery cells on the market. The models are easily downloadable from the TW AICE Predictive Analytics Platform and can be used immediately. They provide a valuable tool to developers of batteries and battery-powered products.

TW AICE Technologies GmbH, Joseph-Dollinger-Bogen 26, 80807 München, Germany
www.twai.com, losmann@twai.com, Phone: +49 170 140 8146, Contact person: Anna Lossmann

Reference Projects • Vehicle:
- Use cases Model Library
- Accelerating BMS software development and hardware-in-the-loop testing
- Selecting the right cell based on performance criteria
- System dimensioning, design and validation

Highlights to be showcased in Bonn 2021:
- Shortening time to market of a new battery design by 6-9 months due to immediate availability of the models.
- Saving up to 50% on testing costs in a standard development cycles.

Special thanks to our Sponsors:
- KPI
- brose
- Qualcomm
- MathWorks

Start-up Area
Agrik ELIV opens its doors to young companies exhibiting new vehicle electronics solutions in the Start-up Area. Come and see following innovations of:
- aSR advanced Simulated Reality GmbH
- Cograte Ltd.
- Colibrite Technologies Ltd
- motrin Technologies GmbH
- PIAS GmbH
- Windmoos GmbH
- BöR EKT GmbH
- Warte
- WideScreen
- Xenomatis N. Y.

Save the Date
ELIV
October 18 - 19, 2023
Bonn

The Afterparty starts on the first congress day at 6.50 p.m. with an Evening Keynote in room New York.
Attend and enjoy a relaxing evening in the centre of the exhibition with a buffet, live music and a supporting program.

The Wonderland, einfach wunderbar!
www.thewonderfrolleins.de

VDI-COnferences 2021 - 2022 - vehicle Technology –
The Place to Be to Meet your Target Customers

Night of Electronics
The Afterparty starts on the first congress day at 6.50 p.m. with an Evening Keynote in room New York.
Attend and enjoy a relaxing evening in the centre of the exhibition with a buffet, live music and a supporting program.

Please take your name tag with you. There is no entrance without 3G-proof, identity document or entry band from the first day.

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