



**AUTO
MOTIVE
CIRCLE**



AGENDA

NOV 4 – 5

BATTERY SYSTEMS 2025

TUESDAY | NOVEMBER 4

8:00 AM Conference Registration

9:00 AM Welcome and Conference Introduction
Dr. Sibylle Freitag, Automotive Circle, DE

SHORT CIRCUIT SIMULATION

9:30 AM Simulation of mechanical deformation behavior and short circuit prediction methods for battery cells
Dr. Patrick Kolm, Virtual Vehicle Research GmbH, AT

10:00 AM Testing and simulation of mechanically induced short circuits in lithium-ion cells
Dr. Andreas Viehmann, EDAG Engineering GmbH, DE

BATTERY HOUSINGS – CONCEPTS, MATERIALS, INNOVATIONS

10:30 AM Meet the Speakers | Exhibition | Coffee and contacts

11:15 AM Best-in-class frame mass efficiency: Converting steel to aluminum for full vehicle electrification weight offset in EV battery enclosure
Ahmet Turcan, Constellium, UK; Waldemar Krieger, Speira, DE – on behalf of Alumobility

11:45 AM Beyond potting – a pentatonic thermoplastic structural sandwich battery
Henryk Wenzel, Kautex Textron, DE

12:15 PM Lightweight cell-to-pack battery housing concept with fire protection
Alexander Pink, Nemak Europe GmbH, DE

12:45 PM Meet the Speakers | Exhibition | Lunch Break

1:45 PM Aluminum sheet-intensive battery enclosure featuring a single-piece deep drawn tub
Abraham Ursch, Novelis Deutschland GmbH, DE

JOINING AND SEALING

2:15 PM Series experience in aluminum leak-tight laser welding of cooling plates
Oliver Quirin, Trumpf Laser- und Systemtechnik SE, DE

2:45 PM Easy to repair battery housings using permanently plastic sealants
Dr. Florian Menk, Drei Bond GmbH, DE

3:15 PM Meet the Speakers | Exhibition | Coffee and contacts

4:00 PM Higher efficiency in battery tray production through smart welding Benjamin Schlosser, Vitronic Machine Vision GmbH, DE;
Dr. Jürgen Fründ, Benteler Automotive Components, DE

OEM REPORT

4:30 PM The new Celestiq: Integration of the battery with the body structure
N.N., General Motors Company, US

5:30 PM Get-Together: Meet the speakers

7:00 PM Networking Dinner



REGISTER NOW!

BATTERY SYTEMS 2025

Conference venue: Hotel DOLCE Bad Nauheim
Elvis-Presley-Platz 1 | DE-61231 Bad Nauheim
www.dolcebadnauheim.com

Your contact: Wiebke Drohla
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NOV 4 – 5

BATTERY SYSTEMS 2025

WEDNESDAY | NOVEMBER 5

THERMAL MANAGEMENT

- 9:00 AM** **Steel solutions for battery pack cooling: performance, durability, and manufacturing readiness**
Tarek Krim, ArcelorMittal Global R&D, FR

OEM REPORT

- 9:30 AM** **Stellantis Medium platform Battery: Up to 750 kilometers of range on DS No 8**
Arnaud Delaye, Jacques Mercier, Stellantis, FR
- 10:00 AM** **Meet the Speakers | Exhibition | Coffee and contacts**
- 10:45 AM** **WORKSHOP: The Future of battery system concepts and battery requirements**

BATTERY AND BATTERY SYSTEM ASSEMBLY AND INSPECTION

- 11:45 AM** **Teaming up to create the most powerful battery module assembly solution**
Thibault Bautze-Scherff, Blackbird Robotersysteme GmbH, DE; Thomas Richter, thyssenkrupp Automation Engineering GmbH, DE
- 12:15 AM** **Combine 2D & 3D weld seam inspection for high quality EV Batteries**
Michael Wagner, Automation W+R GmbH, DE
- 12:45 PM** **Meet the Speakers | Exhibition | Lunch Break**
- 1:45 PM** **Enhancing reliability in EV battery assembly through AI-driven vision systems and data-driven quality control**
Salin Alvarez, Eines Vision Systems, ES

BATTERY DISASSEMBLY AND RECYCLING

- 2:15 PM** **Smart disassembly: automation as a driver for sustainable battery recycling**
Johannes Feik, FFT Produktionssystem GmbH & Co. KG, DE
- 2:45 PM** **Conference Summary, Advisory Board Conclusions, Farewell**
Dr. Sibylle Freitag, Automotive Circle, DE

* All times in CET (UTC+1)
Conference program is subject to change
Status as of: October 9, 2025



REGISTER NOW!

BATTERY SYTEMS 2025

Early-bird fee: 1.995 € (until October 3) | **Standard fee:** 2.195 (after October 3)
All prices plus 19% German VAT. Students will get 50 % discount on standard prices on presentation of a valid student ID.
Registration and Terms & Conditions at www.automotive-circle.com