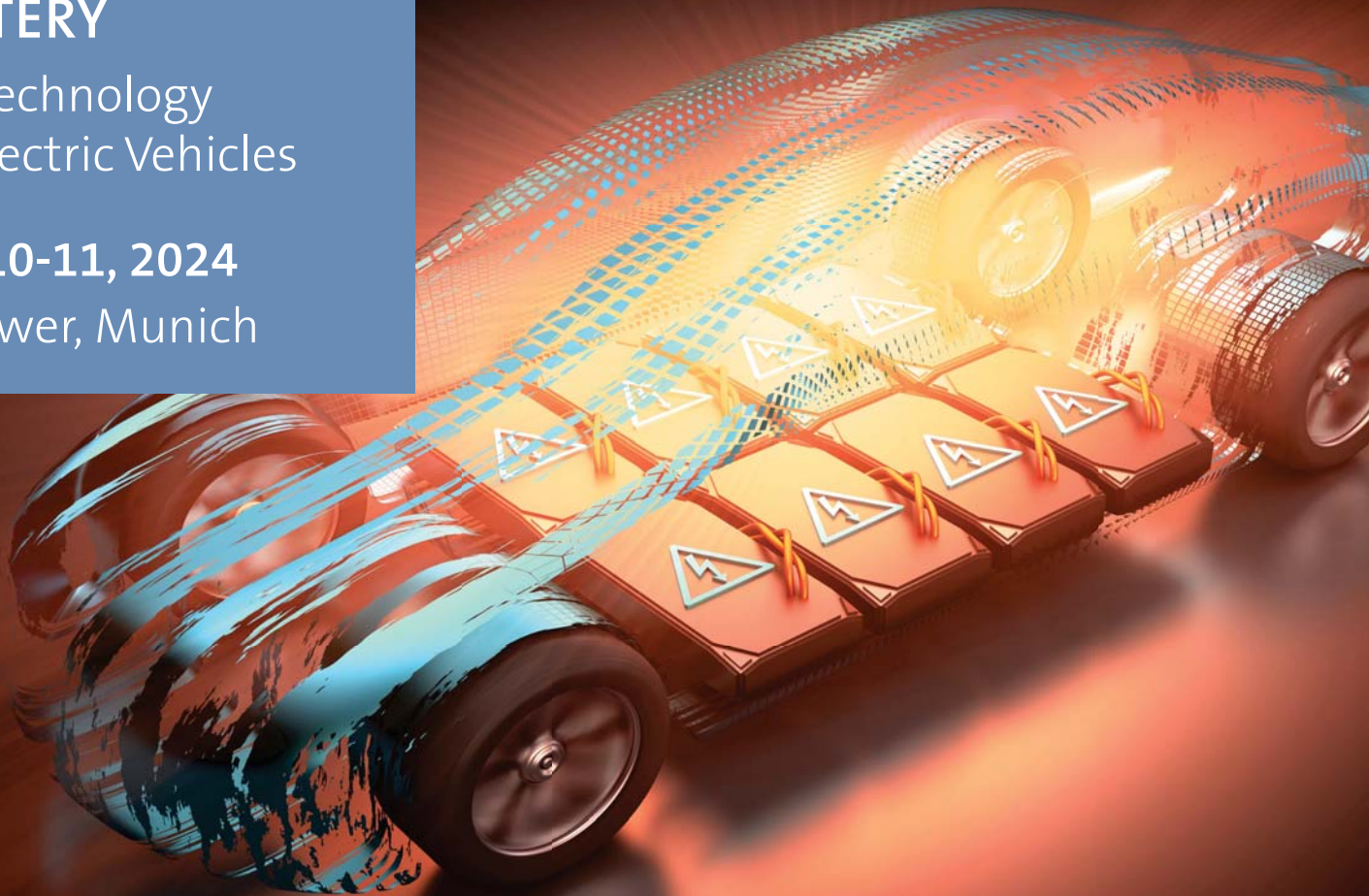


6th International Conference
**THE AUTOMOTIVE
BATTERY**

Key Technology
for Electric Vehicles

July 10-11, 2024
SZ Tower, Munich



Main Topics:

- Battery Regulations – its Impact on Battery Development
- Battery Strategies – Battery Management Systems
- Usage of Solid-State Battery Cells in Electric Vehicles
- AI in Battery Production
- Electrification in Sport Cars

Sponsor: 

Exhibitors/Supporters:



Our Top Speakers:



Kurt Vandeputte
BMW



Joachim Damasky
LionSmart



Matthias Zentgraf
CATL



Arne Siemens
Porsche



Nico Münch
Rimac



Marco Raimondi
Lamborghini

A conference organized by:



1st Conference Day, Wednesday July 10, 2024

08:30 Check-In

09:00 Opening & Welcome



Anne von Türckheim-Horch,
Director International Events,
SV Veranstaltungen GmbH



Peter Gresch,
Chairman, Managing Director,
PGUB Management Consultants

Battery Regulations

09:10 **Keynote: Battery Technologies for Automotive Applications – Trends and Challenges**

- What batteries to expect in automotive application in coming decade?
- What will impact the market entry or accelerate introduction new battery cell technology ?

Kurt Vandeputte, Manager Battery Cell Competence Center,
BMW Group

09:40 **One Year of Battery Regulation**

- New requirements for economic operators
- Implementation Deadlines

Gunther Kellermann, Managing Director Section Battery,
German Electro and Digital Industry Association

10:05 **First experience report on dealing with the requirements of the new EU Battery Regulation**

Christian Theeck, Global Business Development Manager,
TÜV SÜD Product Service GmbH

10:30 Q&A with Speakers

10:40 Coffee break & Networking

11:10 **EU Battery Regulation – its Impact to Battery Development**

- Battery CO2 in the life-cycle
- Battery recycling
- Impact to battery development

Martin Rothbart, Senior Product Manager,
AVL List GmbH

Battery Strategies – Battery Management Systems

11:35 **Flexcom Battery Management System (BMS) – How to make the BMS Flexible to your Application**

Dr. Wenzel Prochazka, Senior Product Manager Electrification Systems,
NXP Semiconductors Austria GmbH

12:00 **Functional Safety Challenges and Solutions in the Automotive BMS Domain**

- Functional Safety Goals for automotive batteries – past and present
- Thermal Event detection requirements and solutions

Dr. Uwe Wiedemann, Chief Growth Officer,
Munich Electrification GmbH

12:25 Q&A with Speakers

12:35 Joint Lunch & Networking

14:00 **Keynote: Requirements for Battery Design and Battery Layout for the various Markets based on Current Developments**

Joachim Damasky, CEO,
LION Smart GmbH

14:30 **Hybrid Simulations Drive Next Gen Thermal Management and Battery Insights in EVs: A Joint Case Study by oorja & NXP**

- Introduction: The scope and context of the problem at hand
- Workflow of the POC
- Results of the POC

Vineet David, CEO & Founder,
oorja

15:00 **AI-powered Battery Management Systems for better, safer and greener batteries**

- Deploying AI in real life for BMS is both possible and practical today
- 3 real world examples where AI makes a difference for BMS use cases

Can Kurtulus, CTO,
Eatron Technologies

15:25 Q&A with Speakers

15:35 Coffee break & Networking

Battery Investments – Status & Outlook

16:05 **Keynote: Investments of Battery Companies in Europe**

- Announcements and realizations
 - Market development E-Mobility
 - Bureaucracy, Energy and other challenges; outlook
- Matthias Zentgraf**, Advisor to CEO Europe,
CATL GmbH

16:35 **Incentivised by EU Regulations – Rethinking the Battery System**

Andreas Fraunhofer, Product Line Battery Systems,
DRÄXLMAIER Group

17:05 **Panel Discussion: Is Battery and Power Electronics/ BMS Development and Production an Attractive, Profitable Business?**

Panelists:



- Chairman: Peter Gresch**
- Joachim Damasky**, CEO, Lionsmart
- Dr. Wenzel Prochazka**, Senior Product Manager Electrification Systems, NXP Semiconductors
- Christoph Riestler**, Vice President Engineering Batteries, DRÄXLMAIER Group
- Matthias Zentgraf**, Advisor to CEO Europe, CATL GmbH

17:50 **Conclusions Day 1 by chairman**18:00 **End of the first conference day**18:15 **Bus transfer to "Gut Keferloh"**19:15 **Evening event**

Dinner speech: Formula E – An Insider's Perspective on 10 Years of Innovation, & Partnerships, and Racing
Ricky Paugh, Founder & Managing Partner, 1440 Sports

2nd Conference Day, Thursday, July 11, 202409:00 Opening of the 2nd conference day by the chairman

Battery Technologies and R&D

09:10 **Keynote: 46XX Battery System Design @Rimac Technology**

- 46XX – Cell properties
- Module flexibility
- System efficiency

Nico Münch, Corporate & Product Strategy Senior Manager, Rimac Group

09:40 **Update on Solid-State Battery Cells: How and when will they be used in Electric Vehicles?**

- Insights from next-generation battery development
- Challenges for a promising technology

Arash Payandeh, Technical Specialist Battery Cell, FEV Europe GmbH

10:05 **Global scaling of high-volume projects – a quality perspective**

- From blueprint to global scaling: global production of battery systems
- Key factors of assuring high-volume projects
- Navigating between cultures

Nedzad Shala, Director Quality, Webasto

10:30 **Q&A with Speakers**10:40 **Coffee break & Networking**

Battery Materials & Thermal Runaway

11:10 **Benefits of Advanced Materials Solutions for Effective Protection and Safer EV Batteries**

- Polymers for thermal and electrical protection
- Mitigation of thermal event
- Material high temperature testing

Roman Vanecsek, Application Technology Leader, Dow Silicones Deutschland GmbH

11:35 **Integration of Pouch Cells in Polymer Battery Enclosures – Analysis of Thermal Runaway Experiments on Cell Level**

- Validation experiments for modeling heat and gas release of battery cells
- Understanding the phenomenology during thermal runaway and thermal propagation

Benjamin Schaufelberger, Point of Contact Battery Safety (Simulation), Fraunhofer EMI

12:00 **Opportunities and Risks for Aluminium Busbar: A Strategic Perspective**

- Exploring Opportunities with Aluminum Busbar
- Challenges and solution
- Current Applications



Florian Ansperger, Head Applied Research, and Daniel Gutwenger, Head Product Development, Intercable Automotive Solution

12:25 **EV Battery System Supply: Simulation as a Competitive Edge**

- Strategic competencies under one roof
- Simulation portfolio for strong system supply

Mikko Hinkkanen, Senior Manager Simulation, Valmet Automotive EV Systems und



Christian Lönnqvist, Lead Engineer - Mechanical Simulation, Valmet Automotive EV Power Oy

12:50 **Q&A with Speakers**13:00 **Joint Lunch & Networking**

Alternatives to Pure Battery Electric Vehicles

14:15 **Keynote: Revuelto: Lamborghini Interpretation of a Hybrid Powertrain**

- Topology and description of the Revuelto hybrid system
- Key benefits of electrification in sport cars

Giacomo Papotti, HV Batteries Lead Engineer and Marco Raimondi, Head of Electric Drive Department Lamborghini Automobili

14:45 **Return of the Combustion Engine in China**

- EVs have reached saturation in China
- EVs are not helping China to reach energy security
- The Roadmap 1.0 leads the way into a more diverse future

Jochen Siebert, Managing Director, JSC Automotive

15:10 **Keynote: Porsche's Double-E Strategy – Electromobility and eFuels as a Complement**

Arne Siemens, Project Coordinator eFuels and Renewable Energies Procurement - Central Functions, Strategy, Dr. Ing. h.c. F. Porsche AG, Porsche AG

15:40 **Panel Discussion: Will Alternative Fuels and other Attempts be Competitive to pure BEVs?**

Panelists:

1 **Chairman: Peter Gresch**2 **Nico Münch, Corporate & Product Strategy Senior Manager, Rimac Group**3 **Jochen Siebert, Managing Director, JSC Automotive**4 **Arne Siemens, Project Coordinator eFuels and Renewable Energies Procurement - Central Functions, Strategy, Dr. Ing. h.c. F. Porsche AG, Porsche AG**16:10 **Conclusions of the conference**16:15 **End of the conference**

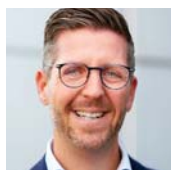
Please register online for this event:
www.sv-veranstaltungen.de/battery



Advisory Board



Hans Adlkofer
Infineon



Roland Bley
FEV



Olaf Bongwald
independent



Jonathan Claassen
Webasto



Peter Gresch
PGUB Consultants



Uwe Hauck
TE Connectivity



Christian Kleinhans
Valmet Automotive



Dr. Peter Lamp
BMW



Dr. André Mecklenburg
VW/PowerCo



Nico Münch
Rimac



Gerhard Meister
AVL



Christoph Riestler
Dräxlmaier



Matthias Zentgraf
CATL

6TH INTERNATIONAL CONFERENCE THE AUTOMOTIVE BATTERY



Registration information

Wednesday 10 and Thursday 11, 2024 in Munich

Event location

SZ Tower, Hultschiner Straße 8, 81677 Munich, Germany

Accommodation

Hampton by Hilton

Hermann-Weinhauser-Str. 71, 81673 Munich

+49 (0) 89 43777750

info@hamptonmunich.de

Single room 119 € incl. breakfast

Please book directly at the hotel under the keyword "SV Veranstaltungen".

Please note that the room contingent is available until June 9, 2024

Participation fee + vat (19%)

Early bird price (until May 31, 2024): 1,795€

The participation fee for the conference is: 1,995€

Services included in the participation fee

- Conference participation
- Documentation
- Refreshments in the breaks
- Lunch on both days
- Evening event on the first day of the event



Take advantage of our early bird discount until May 31, 2024 and save 200€!

Sponsor



Exhibitors/Supporters



Your contacts



Project Management

Anne von Türkheim-Horch
anne-beatrice.horch@sv-veranstaltungen.de



Registration and Organisation

Katharina Mehlich
Phone: +49 8191 125 318
katharina.mehlich@sv-veranstaltungen.de



Exhibitor and Sponsoring

Sebastian Stürzl
+49 8191 125 273
sebastian.stuerzl@sv-veranstaltungen.de

