

ATZ live

elect! 2018

ATZ Congress Electrified Mobility

8 and 9 October 2018 | Stuttgart | Germany

Simultaneous Interpreting
German and English

MOBILITY

Changes due to climate protection, air quality, and customer demands

POWERTRAINS

Electrified and connected

ENERGY

Supply and storage

/// KEYNOTE AND PLENARY LECTURES

BAIC BJEV | Byton | Daimler AG | Hyundai Motor Deutschland GmbH | MAHLE GmbH | McKinsey & Company, Inc. | Robert Bosch GmbH | Schaeffler Technologies AG & Co. KG | TU Munich | University of Aalen | University of Stuttgart



SCIENTIFIC DIRECTOR

Prof. Dr. Hans-Christian Reuss,

Director of Automotive Mechatronics, Research Institute of Automotive Engineering and Vehicle Engines Stuttgart (FKFS)



ELECT! EXHIBITION



Exhibition & Conference
Electrified Mobility

The elect! exhibition is taking place at the same time as the elect! ATZ Congress Electrified Mobility. It will be held in an area adjacent to the main conference room and the lunch area and is the ideal place for meeting people and sharing ideas. You will have the opportunity to discuss the themes of the congress in greater depth and to find out more about the latest solutions.

The key areas of the exhibition include:

- **Charging infrastructure and storage solutions (battery, hydrogen)**
- **Systems, components and parts for automotive engineering**
- **Mobility solutions and concepts**

The exhibition also covers the following subjects:

Drive technologies, autonomous and connected vehicles, parts, energy management, housings, wiring, connectors, power electronics, the smart grid, software etc.

Exhibitors can give free day tickets to the exhibition to their existing and potential customers. Congress participants and speakers have access to the exhibition at any time free of charge.

Industry evening and congress event

On the first day of the congress, an exclusive evening event will be held after the exhibition has closed for invited VIP guests, sponsors, congress participants, and representatives of the companies taking part in the exhibition.

Together with the congress organizer ATZlive and the Springer network, we invite you to enjoy fine dining and interesting discussions with international experts. Don't miss the opportunity to have a relaxing evening and make new contacts.

Enjoy Stuttgart!

Stuttgart is more than just a business and congress center. The capital of Baden-Württemberg also offers a wide range of entertainment and leisure opportunities. Discover the variety of cultural events on offer, including museums, musicals, the city's castles, and its world-famous theater. You can also visit some of the city's many restaurants, bars, and clubs. The city center is only a few minutes away from the congress center by car or train.

Book a stand at the elect! exhibition:

www.messe-stuttgart.de/elect/en/

elect! ATZ Congress Electrified Mobility

WELCOME

Mobility helps to ensure our prosperity and gives us a feeling of freedom. Until now we have relied on the combustion engines and fossil fuels that power our cars and trucks to stay on the move. But legislation on climate change and air quality is forcing us to rethink our approach. The electrification of transport is one solution that could allow us to achieve our objectives. The car manufacturers are now making good progress in this area and the number of electric models is growing.

There will not be a breakthrough in electric mobility until we can ensure the perfect interaction of the vehicles and the infrastructure. The elect! exhibition and congress is a new event staged by Messe Stuttgart in cooperation with ATZlive that aims to optimize this interaction across different industries and on an international level. elect! follows on from the success of the 30th International Electric Vehicle Symposium and Exhibition (EVS30) and is based on an extensive international network in the automotive industry.

Managers and specialists from all over the world will come together to present their ideas about future mobility concepts and technical solutions for electrified drive systems and to find answers to the following questions, among others:

- How will individual mobility, local public transport, and delivery services change?
- Which products will transform our mobility solutions?
- What form will the rise of electric mobility take with both hybrid and all-electric powertrains currently available?
- Can we guarantee a secure supply of renewable electricity?
- Will we be buying cars or mobility solutions in future?

We would like to invite you to attend the ATZ Congress Electrified Mobility in Stuttgart and meet prominent international experts in the field of electric mobility.

Dr. Johannes Liebl

Editor-in-Charge ATZ | MTZ | ATZelektronik



PARTICIPANTS

The ATZlive Congress Electrified Mobility is aimed at managers, development engineers, experts, and strategists from car manufacturers, suppliers, development service providers, research institutes, and universities. It is also intended for employees of telecommunications and IT companies, energy suppliers, power grid operators, national and regional ministries, industry associations, and NGOs working with mobility concepts and electric mobility.

PROGRAM

MONDAY 8 OCTOBER 2018

>> PLENARY SESSION I Ground floor, Room C 1.2.1

- 9:45 **Welcome and Opening of the Congress**
Dr. Johannes Liebl, Editor-in-Charge ATZ | MTZ | ATZelektronik

KEYNOTE LECTURES

- 10:00 **The Transformation of the Automotive Industry – Challenges and Opportunities for Suppliers**
Dr. Dirk Kesselgruber, President BD Chassis Systems, Schaeffler Technologies AG & Co. KG
- 10:30 **EQ – We Shape the Future of Mobility**
Jürgen Schenk, Chief Engineer eDrive System Integration, Daimler AG
- 11:00 **Technical Solutions on the Route to Affordable Fuel Cell Technology**
Oliver Gutt, Leiter Produktmarketing, Hyundai Motor Germany GmbH
- 11:30 **Electrification – Fit for Purpose**
Dr. Otmar Scharrer, Vice President Corporate Research and Advanced Engineering, MAHLE GmbH
- 12:00 Lunch in the exhibition area

>> PARALLEL SESSIONS

You will find more detailed information about the parallel sessions on the following pages of the program.

- 13:30 **SESSION I – ENERGY SUPPLY I**
GROUND FLOOR, ROOM C 1.2.1
-

- 13:30 **SESSION II – ENERGY STORAGE I**
FIRST FLOOR, ROOM C 7
-

- 14:30 Refreshment break with coffee and tea in the exhibition area

>> **PLENARY SESSION II** Ground floor, Room C 1.2.1

15:00 **New Competitors, Suppliers, and Business Models for Electric Cars – Disruption in the Automotive Ecosystem**
Patrick Schaufuss, Associate Partner,
McKinsey & Company, Inc.

15:30 **Connectivity in Byton Electric Vehicles: Enabling AI, Security, AD, and the Future User Experience**
Abe Chen, Senior Director Cloud Network,
Connectivity & Security, Byton, China

16:00 **Impacts of Automated Electric Vehicles on Traffic in Urban Areas**
Prof. Dr. Markus Friedrich, Institute for Road and
Transport Science, University of Stuttgart

16:30 Refreshment break with coffee and tea in the exhibition area

17:00 **Introductory presentation:
Transforming the Automotive Industry in
Baden-Württemberg – The Correct Timing will
be Crucial to Success**
Franz Loogen, Managing Director, e-mobil BW

**Panel discussion:
Will We be Buying Cars or Mobility Solutions in Future?**

Moderator:
Prof. Dr. Hans-Christian Reuss,
Director of Automotive Mechatronics, Research Institute of
Automotive Engineering and Vehicle Engines Stuttgart (FKFS)

18:30 End of the first day of the congress

afterw. **elect! Networking Night**

After the congress has finished, an exclusive Networking Night will be held for invited VIP guests, sponsors, congress participants, and representatives of the companies taking part in the exhibition. ATZlive and Messe Stuttgart would like to invite you to an evening of fine dining and interesting discussions.

>> SESSION I

Ground floor, Room C 1.2.1

ENERGY SUPPLY I

- 13:30 **Key Success Factors for Operating Charging Infrastructure in Norway**
Benjamin Rinner, International Business Development,
Fortum Charge & Drive, Finland
- 14:00 **The Diverse Future of Charging:
Keeping an Eye on all Charging Situations**
Dr. Martin Brüll, Senior Expert Electric Powertrain System
Architecture, F. Graf, Continental Automotive GmbH
- 14:30 Refreshment break with coffee and tea in the exhibition area

>> SESSION II

First floor, Room C 7

ENERGY STORAGE I

- 13:30 **Continued Glimpses into xEV Batteries on the Market –
AVL Series Battery Benchmarking**
Wenzel Prochazka, Senior Product Manager, Global Battery
Competence Team, AVL List GmbH, Austria
- 14:00 **The Potential of New Battery Technologies:
Future Prospects for the Automotive Industry**
Robert Stanek, Head of ePowertrain, M. Hackmann,
P3 group GmbH
- 14:30 Refreshment break with coffee and tea in the exhibition area

PROGRAM

TUESDAY 9 OCTOBER 2018

>> PARALLEL SESSIONS

You will find more detailed information about the parallel sessions on the following pages of the program.

9:00 **SESSION I – MOBILITY CONCEPTS
FOR LOCAL PUBLIC TRANSPORT
GROUND FLOOR, ROOM C 1.2.1**

9:00 **SESSION II – ELECTRIC DRIVES
FIRST FLOOR, ROOM C 7**

10:30 Refreshment break with coffee and tea in the exhibition area

11:00 **SESSION I – DELIVERY SERVICES
GROUND FLOOR, ROOM C 1.2.1**

11:00 **SESSION II – ENERGY STORAGE II
FIRST FLOOR, ROOM C 7**

12:00 Lunch in the exhibition area

13:00 **SESSION I – ENERGY STORAGE II
GROUND FLOOR, ROOM C 1.2.1**

13:00 **SESSION II – VEHICLE ELECTRICAL SYSTEMS
FIRST FLOOR, ROOM C 7**

14:30 Refreshment break with coffee and tea in the exhibition area

>> **PLENARY SESSION III** Ground floor, Room C 1.2.1

KEYNOTE LECTURES

15:00 **BJEV – Road Map for a “New OEM”
in the Mass Market for Electric Drives**
Franco Bellillo, VP Purchasing, BAIC BJEV, China

15:30 **Smart Cities: Business Models for Electromobility**
Prof. Dr. Anna Nagl, Director of the Competence Center
for Innovative Business Models, Aalen University;
Kira Rambow-Höschele, Marketing and
Sales Automotive Marketing, Robert Bosch GmbH

16:00 **The Mobility of the Future –
From the Vehicle as a Product to the Mobility Service**
Prof. Dr. Gernot Spiegelberg, TU Munich

16:30 **Closing Remarks**
Dr. Johannes Liebl, Editor-in-Charge ATZ | MTZ | ATZelektronik

>> SESSION I

Ground floor, Room C 1.2.1

MOBILITY CONCEPTS FOR LOCAL PUBLIC TRANSPORT

- 9:00 **Planning the Charging Infrastructure**
Oliver Arnhold, Teamleader Mobility and renewable Energy,
Reiner Lemoine Institut gGmbH
- 9:30 **The Electric Citaro – the New City Bus**
Robert Kappel, Director Product Engineering Powertrain/Testing
Daimler Buses, Evobus GmbH
- 10:00 **E-Buses and Charging Strategies –
Different Operations need Different Solutions.
Experiences in the Netherlands**
Marc Vanhoutte, Bus Fleet Director,
connexion, the Netherlands
- 10:30 Refreshment break with coffee and tea in the exhibition area

DELIVERY SERVICES

- 11:00 **Couriers and Postal Services –
Pioneering Electric Mobility in the Last Mile**
Andreas Schumann, Chairman,
Bundesverband der Kurier-Express-Post-Dienste e. V.
- 11:30 **eCityTruck, the Ideal Powertrain Solution
for Urban Delivery Traffic**
Stefan Keller, Powertrain Solutions Division Innovation and
Growth, Clusterowner CV Electrification; M. Franco Estebanez,
Robert Bosch GmbH
- 12:00 Lunch in the exhibition area

ENERGY SUPPLY II

- 13:00 **Connected Mobility and Seamless Charging:
Plug & Charge via ISO 15118**
Melanie Cao, Manager Market Development, Hubej GmbH
- 13:30 **Charging station infrastructure – intelligent planning,
construction, and safe operation.**
Axel Hausen, Head of Product and Portfolio Management,
Netze BW GmbH
- 14:00 **Maximizing security of hydrogen supply for public
and private transportation**
Rafael Schmidt, Senior Business Development Manager,
Hydrogenious Technologies GmbH

>> SESSION II

First floor, Room C 7

ELECTRIC DRIVES

- 9:00 **Flexible Integration Concepts for Electrified Powertrains**
Thomas Pfund, President Business Unit E-Systems,
LuK GmbH & Co. KG
- 9:30 **Electromobility with Batteries and Fuel Cells –
Conflict or Complement**
Dr. Kathrin Goldammer, Member of the Board,
HYPOS – Hydrogen Power Storage &
Solutions East Germany e. V.
- 10:00 **20 Years of Fuel Cell Development at FEV –
From Component Concept to Vehicle Road Testing**
Murat Peksen, Project Leader Electronics and Electrification,
M. Walters, FEV Europe GmbH
- 10:30 Refreshment break with coffee and tea in the exhibition area

ENERGY SUPPLY II

- 11:00 **Cell Development – the Potential of Lithium-Based
Technologies versus Post-Lithium Technologies**
Dr. Falko Schappacher, Managing Director,
MEET Battery Research Center at Münster University
- 11:30 **Location Factors for Battery Cell Production in Germany –
from Logistical, Technological, and Market Perspectives**
Matthias Zentgraf, Regional President Europe, CATL GmbH
- 12:00 Lunch in the exhibition area

VEHICLE ELECTRICAL SYSTEMS

- 13:00 **Hardware and Software Solutions for HiL-Testing
of Power Electronic Actuators in Automotive Applications**
Nils Holthausen, Senior Application Engineer Electric Drives,
M. Deter, dSPACE GmbH
- 13:30 **Synergy and Transfer Potential between Aerospace
and Automotive**
Wolfgang Sczygiol, ESG Mobility GmbH
- 14:00 **Future Car Networks – Wires Go Virtual**
Georg Olma, Global Business Development Manager IVN,
NXP Semiconductors, UK



THE CONGRESS IS SUPPORTED BY SCHAEFFLER AG

The Schaeffler Group is a global automotive and industrial supplier. Top quality, outstanding technology, and an exceptionally innovative spirit form the basis for the continued success of the company. By delivering high-precision components and systems in engine, transmission, and chassis applications, as well as rolling and plain bearing solutions for a large number of industrial applications, the Schaeffler Group is shaping “Mobility for tomorrow” to a significant degree. Environmentally friendly drives, urban mobility, interurban mobility, and the energy chain are the four focus areas that Schaeffler is actively helping to shape with its own research and development in cooperation with customers and business partners. Around the globe, Schaeffler’s technological expertise, operational excellence, and systems know-how are highly valued.

Products by the Schaeffler Group – high quality components, modules, and system solutions for the future of industry and the automobile – provide an answer to major worldwide megatrends like climate change, globalization, urbanization, and digitization. They help our customers master the challenges associated with these trends and conduct business successfully. We want it to stay that way. That is the reason for our vision: “As a leader in technology, we combine a passion for innovation with the highest standards of quality to shape the mobility of tomorrow – for a cleaner, safer, and smarter world.”

Schaeffler offers its customers energy-efficient solutions for vehicles with drive trains based on internal combustion engines as well as components and systems know-how for hybrid and electric vehicles. The Automotive division serves as a competence partner of the automotive industry for sustainable mobility and global progress.

The Industrial division supplies rolling bearing solutions for over 60 sectors of industry. The range includes everything from miniature bearings only a few millimeters in width to large-size bearings with an outside diameter of several meters, with smart products and the networking of components coming increasingly to the fore.

SCHAEFFLER

www.schaeffler.com

MEDIA PARTNERS

ATZ **ATZ** elektronik

THE NEW eMAGAZINE ATZelektronik Worldwide

The English-language eMagazine ATZelektronik Worldwide provides you with all the information you need about the latest trends and developments in automotive electronics from an in-depth, scientific perspective. Find out about the latest methodologies in development, electronic components, future driving assistance systems, on-board electrical systems and energy management, software and IT solutions as well as many other areas.

All the participants in the conference will receive our new English-language eMagazine free of charge and without any obligation.

We will give you free access for 30 days.



ELECT! 2018 | YOUR PRESENTATION PLATFORM

Take this opportunity to present your company and your latest products and services to a specialist audience as a sponsor or an advertiser. elect! is the ideal networking platform for making important customer contacts and developing long-term business relationships.

For information on the various presentation options, please contact:

Elke van Lon

Phone +49 611 7878-320

elke.vanlon@springernature.com



REGISTRATION FEE

€ 1,295.– plus VAT

This includes the conference documentation, coffee breaks, soft drinks, two lunches, and the evening reception.

VENUE

Internationales Congresscenter Stuttgart (ICS)
Messepiazza 1 | 70629 Stuttgart | Germany

HOTELS

Under the following link you will find hotels offering rooms for congress participants at discounted prices.

Click on the link to make your reservation:

<https://book.stuttgart-tourist.de/elect2018/>

LANGUAGES USED IN THE PRESENTATIONS

German and English with simultaneous interpreting
(German – English / English – German)

CONDITIONS

Cancellations are possible until 14 September 2018. If a cancellation is made after this date, the full registration fee will be charged. Cancellations must be made in writing. The date of the postmark will determine whether the deadline has been met. If you are unable to attend, we will be happy to accept a substitute participant.

Should a speaker be unable to attend at short notice by reason of force majeure, illness, accident, or other circumstances for which ATZlive cannot be held responsible, another qualified person will be appointed to the exclusion of any claim for compensation. Should the event be canceled altogether, we will of course refund the registration fee.

No conference documentation may be reproduced or transferred to third parties without the express written consent of ATZlive. Photographing the presentation slides and taking audio and video recordings of the event are not permitted.

The General Terms and Conditions for Events by Springer Fachmedien Wiesbaden GmbH apply, as published on the website www.atzlive.de/en/standard-terms-of-business/.

Your personal details will be stored electronically in compliance with the GDPR. The ATZlive privacy policy applies. You can find it at www.ATZlive.de/datenschutz/. We will not disclose your address to third parties for advertising purposes. If you do not wish to receive information about our publishing products, please send an e-mail with your address details to widerspruch.springerfachmedien-wiesbaden@springer.com.

Please send the registration form by post or fax or scan and e-mail it to:

ATZlive | Springer Vieweg

Springer Fachmedien Wiesbaden GmbH

Nadine von Widekind

Abraham-Lincoln-Straße 46 | 65189 Wiesbaden | Germany

Phone +49 611 7878-212 | Fax +49 611 7878-452

ATZlive@springer.com | www.ATZlive.com



THE ORGANIZER

ATZlive

// Spotlight on Powertrain and Vehicle Engineering //

ATZlive organizes its high-caliber conferences for vehicle and engine specialists together with key representatives from research and industry to ensure that they are tailor-made to the needs of the participants and address the very latest issues. Our close collaboration with the editorial teams of our specialist magazines ATZ and MTZ keeps us fully up-to-date on the latest topics and trends on the market.

Springer, with its automotive technology brands the ATZ and MTZ Group, is part of Springer Nature, one of the world's leading publishing groups for scientific, educational, and specialist literature.

ATZ live

CONFERENCE REGISTRATION

elect! 2018 | ATZ Congress Electrified Mobility 8 and 9 October 2018 | Stuttgart | Germany

I have read the General Terms and Conditions* and I would like to register at a cost of € 1,295.– plus VAT.

* The General Terms and Conditions for Events by Springer Fachmedien Wiesbaden GmbH apply, as published on the website www.atzlive.de/en/standard-terms-of-business/

Registration data

Madam Sir

Family name

First name

Acad. title

Company / Institute

Department / ZIP code

Function

Street / P.O. box

Postal code / City

Country

Phone

Fax

E-mail of the participant

Invoice address (if different from above address)

VAT No.

CS001238

Please send my free trial access to

ATZelektronik worldwide to the e-mail address above.

Date, Signature

FAX TO +49 611 7878-452 OR E-MAIL TO ATZLIVE@SPRINGER.COM