



**AUTOMOTIVE  
ENGINEERING  
EXPO 2019**

**CAR BODY  
PROCESS CHAIN**

FROM CONCEPT TO FINAL ASSEMBLY

**Nürnberg, Germany  
4–5.6.2019**

## PRESS RELEASE

April 2019

### **Networking with leading OEMs: programme for AEE 2019 now online**

- **Inspiration, motivation and professional development for the “painted car body” process chain**
- **Key topics: digital development, flexible production and new lightweight bodywork structures**
- **Get your tickets for the trade fair and congress now**

The **AUTOMOTIVE ENGINEERING EXPO (AEE)**, which takes place at Exhibition Centre Nuremberg on 4 and 5 June 2019, is the world’s only interactive forum for the entire “painted car body” process chain. It offers visitors a comprehensive overview to allow them to meet industry requirements: the latest products, application examples, well designed training and professional development opportunities and targeted networking with colleagues and suppliers. Tickets for the trade fair and accompanying congress are now available, and the entire programme is now online at: [www.automotive-engineering-expo.com/en/events](http://www.automotive-engineering-expo.com/en/events)

The AEE 2019 makes use of various programme formats to put the spotlight on three issues that are currently important to the sector.

**Digital development:** The digital transformation process in automobiles is having a significant impact on future body development and body construction. Alternative power train concepts as well as new mobility concepts are driving diversity and the demands placed on the body. The increase in weight due to electrified drives and the specifications for emissions demand that body developers and engineers continue to develop

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lightweight bodies. In addition to reducing vehicle weight, the car body must be designed to be more scalable and versatile, and the batteries must be better integrated. At the same time, digital development tools are becoming more powerful and sophisticated. At the AEE Congress, Renault and Ford, for example, will present use cases, while the product briefings will feature Key to Metals AG.

**Flexible production:** Up to now, highly automated systems in stamping plants and car body production have been geared to ONE process, and OEMs make time-consuming retrofits when changing models. The convertibility of the systems is a hot topic. This includes automation and logistics, but also human-machine interaction and automated measuring technology and quality assurance. The greatest change here is to be expected from electromobility: How can existing production facilities be used to build new bodies for electric cars on them? The programme highlights include the guided tour on “Flexible Production” and the AutoForm master class “Closing the gap between engineering and tool try-out”.

**New Lightweight Body Structures:** The weight of a body structure plays a major role in vehicle development. Intelligent designs enable structures and components that combine low weight with high rigidity and crash safety and can be produced as cost-effectively as possible. A new challenge is posed by alternative drives, which are playing an increasingly important role in the development of body structures. Visitors can learn more about this topic, for example, at the deep dive “Aluminium hot-working” and in the Innovation Park from the examples of the car bodies for the Jaguar Land Rover I-Pace, Renault Alpine and BMW 8-series coupé.

#### **Programme planning tool with practical topic filter**

Visitors who are particularly interested in the three key topics at AEE 2019 can use the programme planning tool’s daily view tab on the website to make a corresponding preselection so that only relevant presentations and supporting events are displayed.



For information on all programme formats at AEE 2019 and to register for them please go to: [www.automotive-engineering-expo.com/en/events](http://www.automotive-engineering-expo.com/en/events)

### **Get your ticket now for the AEE Congress**

Eight key topics from the car body process chain (Body Components/Forming Technology I and II, Body-in-white/Joining Technology I and II, Car body materials, Surface Technology I and II, Production and Quality Assurance Concepts), 82 international expert speakers, 69 technical progress reports, 13 OEM reports and theme-specific tours of the exhibition for congress participants give congress delegates the knowledge they need to achieve their professional goals. Presentations in the eight sessions covering the focus topics Digital Development, Flexible Production and New Lightweight Car Body Structures are specially highlighted. At the previous event, 460 delegates from 17 countries discussed the latest developments and research findings. The entire congress programme is available at: [www.automotive-engineering-expo.com/congress](http://www.automotive-engineering-expo.com/congress)

All-inclusive tickets for expo and congress or expo-only tickets are available at: [www.automotive-engineering-expo.com/ticketshop](http://www.automotive-engineering-expo.com/ticketshop)

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