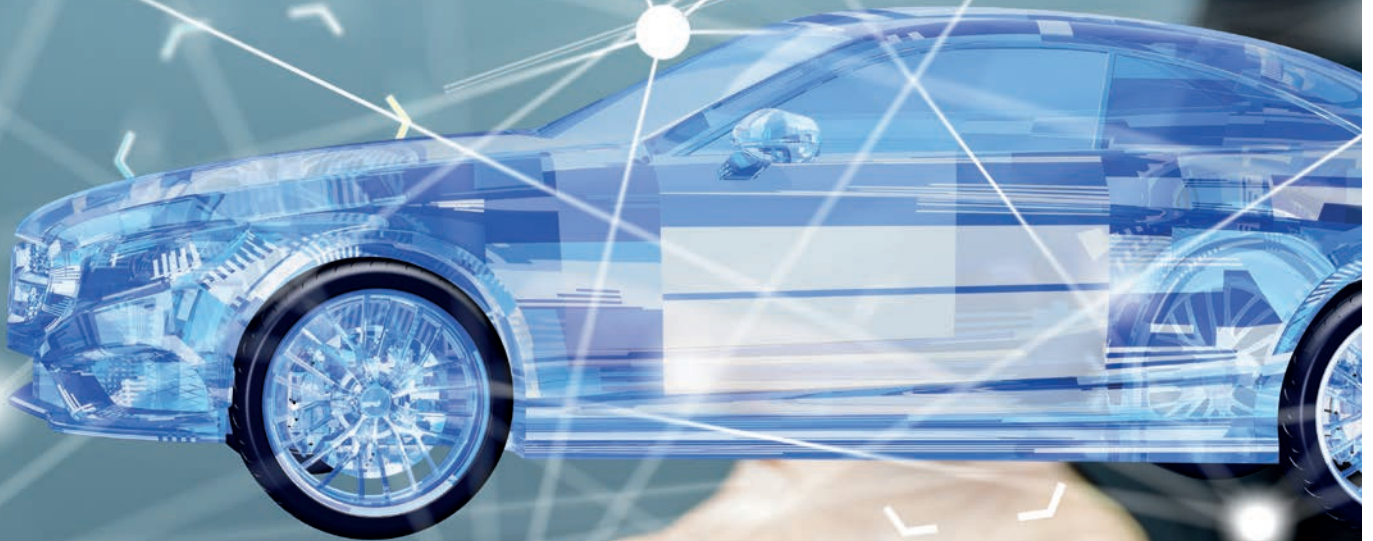


STRATEGIES IN CAR BODY ENGINEERING

2019

3 – 4 APRIL 2019, BAD NAUHEIM, GERMANY

**WITH OEM
REPORTS FROM**
Porsche, Skoda, PSA,
Geely, Nio



MANAGING COMPLEXITY, ENABLING FLEXIBILITY

The automotive industry is at a threshold, and in more ways than one. Due to technological advancements as well as political, social and environmental changes, markets, products and production processes are currently all constantly being redefined.

In order to ensure the highest possible flexibility, many OEMs are currently choosing not to limit their product range, on the contrary: there seems to be an ever-growing number of vehicle variants, different drive systems and, consequently, car body derivatives. Which solutions have OEMs and suppliers found, specifically, to realize flexibility while ensuring maximum production efficiency?

In terms of vehicle architectures, when do OEMs choose more static or more modular platform approaches, and to what effect? Which options are suppliers offering to enable cost efficient flexibility? We will discuss these and many more questions during our focus sessions on platform strategies and supplier innovations.

The conference is a premier international platform for networking and expert knowledge exchange with a focus on all key issues in global car body development, planning and production. Each year, it offers a comprehensive overview of the latest advancements in car body engineering.



The international OEM Advisory Board and I are looking forward to seeing you in Bad Nauheim in April.

Dr. Sibylle Freitag
Presidium
Automotive Circle, DE



94%

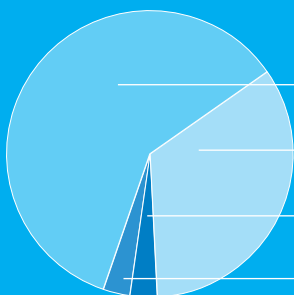
of interviewed delegates rate the conference presentations as good or very good.*

*According to conference evaluation 2018.



**PLUS
CAR BODIES
ON SITE**

PARTICIPANT STRUCTURE:



60% Automobile manufacturers

34% Suppliers

3% Institutes

3% Others

(Numbers from 2018)

THE CONFERENCE ADDRESSES:

Body construction engineers from international automotive manufacturers with strategic responsibilities in (pre)development, planning and production, as well as relevant system suppliers, within the whole process chain „painted car body“, from press plant to the body shop and paint shop.

PROGRAM

WEDNESDAY, APRIL 3, 2019

- 8:00 am** Registration and handover of conference documents
- 9:00 am** Welcome
Dr. Sibylle Freitag, Automotive Circle, DE

STRATEGIES OF THE SUPPLIERS (I): NATURALLY INNOVATIVE

- 9:15 am** Innovative design and manufacturing techniques for fiber reinforced plastic components
Prof. Dr. Klemens Rother, Munich University of Applied Sciences, DE
- 9:45 am** Lightweight 3D-structured body parts with reduced noisy snap-through and enhanced crash energy absorption
Prof. Dr. Frank Mirtsch, Dr. Mirtsch Wölbstrukturierung GmbH, DE
- 10:15 am** High performance sustainable composite solutions as an alternative approach for lightweight car body structures
Dr. Per Mårtensson, Bcomp Ltd., CH
- 10:45 am** ☕ Coffee and contacts
👥 Meet the Speakers

🚗 CAR BODY PRESENTATION

- 11:15 am** The new Škoda Scala car body structure
Petr Trojan, Libor Mazánek, Škoda Auto a.s., CZ
- 12:15 pm** 🍴 Lunch break
👥 Meet the Speakers

OEM PLATFORM STRATEGIES (I)

- 1:30 pm** CMFB platforms strategy
Sebastien Chopard, Renault SAS, FR
- 2:15 pm** The CMP platform
Sebastien Clara, Groupe PSA, FR
- 3:10 pm** ☕ Coffee and contacts
👥 Meet the Speakers

STRATEGIES OF THE SUPPLIERS (II): ENABLING FLEXIBILITY

- 3:45 pm** Flexible manufacturing and design concepts for modular body structures at smaller lot sizes
Andreas Müllegger, Trumpf Laser- und Systemtechnik GmbH, DE
- 4:15 pm** Multifunctional rollforming: highest flexibility at maximum efficiency
Christoph Grüllich, Dreistern GmbH & Co. KG, DE
- 4:45 pm** End of first conference day
- 7:00 pm** 👥 Networking night



Škoda Scala

THURSDAY, APRIL 4, 2019

A GLIMPSE INTO THE FUTURE

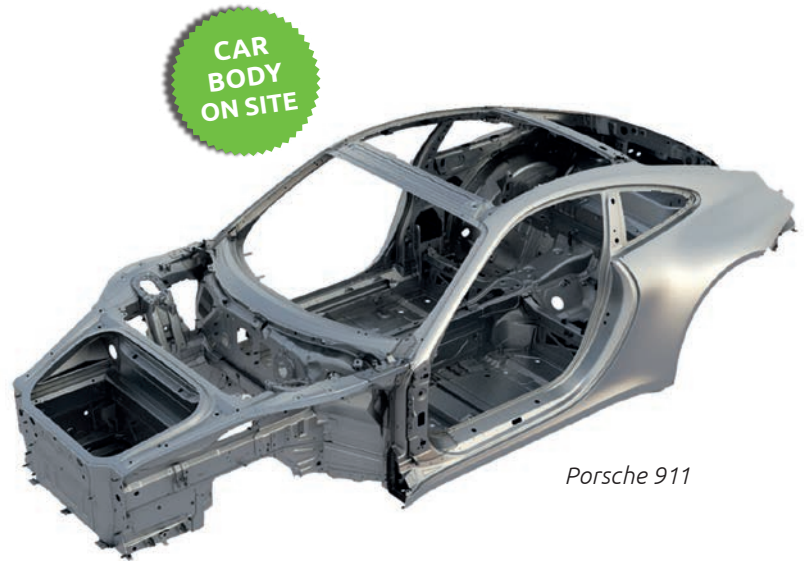
8:30 am KEYNOTE: Artificial Intelligence
Silvan Rath, Api - Automotive Process Institute GmbH, DE

9:45 am Advanced concepts in car body engineering
Leon Kaunitz, Nio USA, Inc, USA

10:15 am ☕ Coffee and contacts
👥 Meet the Speakers

OEM PLATFORM STRATEGIES (II)

10:45 am Battery electric car bodies in Geely
Hongru Zou, Dr. Ralph Stenger, Geely Automobile BEV Research Institute, CN



Porsche 911

🚗 CAR BODY PRESENTATION

11:45 am The new Porsche 911 – the 8th generation
Uwe Wawers, Sebastian Stein, Dr. Ing. h.c. F. Porsche AG, DE

12:45 pm 🍴 Lunch break
👥 Meet the Speakers

STRATEGIES OF THE SUPPLIERS (II)

2:00 pm Design-to-functionality of BiW members and junctions – a new approach for conceptual design
Dr. Werner Pohl, Fast Concept Modelling & Simulation GmbH (FCMS), DE

2:30 pm Advanced high strength stainless steels: charting new roads to cost and weight reduction
Jessé Paegle, Aperam, FR

3:00 pm Design and business case of a 7xxx aluminium safety cage
Dr. Axel Förderreuther, Novelis Deutschland GmbH, DE

3:30 pm Conclusions and farewell
Dr. Sibylle Freitag, Automotive Circle, DE

3:45 pm End of conference

Subject to change (status as of March 13, 2019)



Program updates at
www.automotive-circle.com

CONFERENCE FEES

Early bird: 1.995,- €* (for registrations received by March 3, 2019)

Standard: 2.095,- €*

Combi-ticket: 2.395,- €*

(plus conference "Additive Manufacturing for Car Body Engineering", April 2, 2019, unit price 895,- €*)

*all prices plus German VAT

CONFERENCE VENUE

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TERMS AND CONDITIONS

Information and registration at
www.automotive-circle.com



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