

JOINING IN CAR BODY ENGINEERING 2021

OUR NORTH AMERICA NETWORK

MARCH 24-25, 2021 | VIRTUAL CONFERENCE



AUTOMOTIVE CIRCLE
CONFERENCE

CALL FOR SPEAKERS

MANAGING COMPLEXITY: ENABLING FLEXIBILITY, ENSURING EFFICIENCY

Body shop joining technologies are key factors for the realization of all current car body projects. They enable the growing number of **advanced mixed material concepts, lightweight design** concepts, the integration of new materials, car body structures that are adapted to the requirements of **electric mobility**, and additional components such as **battery housings** – all of which have their own, new use cases and performance requirements.

While there is a great increase in the complexity of current car body projects, at the same time, when choosing the most suitable joining technology for each given situation, there are also a number of basic constraints. First and foremost, these include putting **production efficiency** and **cost efficiency** at the center of attention – without compromising the potential for flexibility.

ABOUT THE CONFERENCE

The North America-based Automotive Circle conference „**Joining in Car Body Engineering**“ focuses on the latest developments and innovations in the field of Joining Technology in the body shop. Each year it offers a **two-day program** packed with information, innovations, insights, data and facts about the latest car body joining solutions, tailored to North American market requirements. The conference focuses on application-oriented, technical progress reports from leading OEMs, important system suppliers and renowned research institutes, concerning all relevant joining technologies for series production.

In 2021, due to the pandemic, the conference is going to take place as a **virtual event**.

YOUR SPEAKING OPPORTUNITY

Topics for technical papers are :

- ▶ reliable and cost-effective **mixed-material joining** innovations for more efficient **lightweight design** concepts
- ▶ welding solutions for **next generation high strength steels**
- ▶ optimizing the interaction of joining methods with **structural adhesives**
- ▶ joining solutions for 3D printed components/**additive manufacturing** materials
- ▶ improving joining speed, joint-to-joint cycle time, machine uptime and total throughput
- ▶ enhancing **joint performance** in terms of strength and durability
- ▶ reducing the number of different necessary joining technologies, and extending the range of applications for a given joining technology
- ▶ diminishing process **energy consumption** and footprint
- ▶ improving **CAE processes** pertaining to both product and process development
- ▶ **dimensional control** in the body shop: efficient and full control of deviations; reliable simulation and prediction; robustness and process stability of technologies used
- ▶ **quality assurance** within the production process
- ▶ new **OEM projects**

We are very much looking forward to receiving your submission for a 20 minute, engineering-oriented, technical presentation of your latest innovations in the field of car body joining technology.

OEM ADVISORY BOARD: BMW Manufacturing Co. LLC, Fiat Chrysler Automobiles US LLC, Ford Motor Company, General Motors Company, Honda R&D Americas, Volkswagen AG

In cooperation with:



THE OHIO STATE UNIVERSITY

GENERAL INFORMATION FOR SPEAKERS

Presentation time is 20 minutes, followed by ca. 5 minutes for a Q&A. Speakers are invited to attend the full conference.

Further dates

Submission of title and abstracts:

January 20, 2021

Notification of acceptance to speakers:

February 2021

Publication of the conference program:

February 2021

Submission of full presentation:

March 8, 2021

How to submit?

We kindly ask you to send your abstract via email to sibylle.freitag@vincentz.net

YOUR CONTACT



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