

ADDITIVE MANUFACTURING FOR CAR BODY ENGINEERING 2019

2 APRIL 2019, BAD NAUHEIM
GERMANY



When conventional production technologies reach their limits, it is time for additive manufacturing to strike. Additive manufacturing promises faster product development and replacement, better parts properties and significant cost savings – but it must be applied correctly and it entails a rethinking of product development. The huge potential of additive manufacturing processes can best be explored by structurally combining complex assemblies into a single component and integrating additional functions. This will ultimately save development time and cut assembly and production costs. According to current forecasts, market volume could increase fivefold in the coming years.

THE DAY BEFORE THE CONFERENCE “STRATEGIES IN CAR BODY ENGINEERING 2019”, THE AUTOMOTIVE CIRCLE NETWORK IS DISCUSSING THIS MODERN MANUFACTURING PROCESS:

- What is the role of additive manufacturing processes in car body engineering?
- How great an opportunity is this for automotive production?
- Which technologies are available for series production?
- What do suppliers offer in the field of additive manufacturing?
- What practical experience has already been gained by OEMs?
- Which challenges need to be mastered by additive manufacturing processes if they are to make the leap into automotive series production?
- Which strategy is being pursued by OEMs?
- To what extent has additive manufacturing already been used in tooling, and how has it benefited the users?
- To what extent has additive manufacturing already been used in tooling and how has it benefited the users?

Automobile manufacturers, suppliers and institutes will provide answers, who, together with the participants, will debate additive manufacturing as a strategic topic. In addition to impulse and technology lectures, discussions allow a professional exchange on the highest practical level in one day.

IN COOPERATION WITH



Prof. Dr. Claus Emmelmann
Institutsleiter
Fraunhofer-Einrichtung für
Additive Produktionstechnologien IAPT



CONFERENCE CHAIR



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PROGRAMME

8.45 h **Welcome**
Andrea Huber, Automotive Circle

KEYNOTE

9.15 h **Additive manufacturing technologies: Profitable and ready for series production?**
Prof. Dr. Claus Emmelmann, Fraunhofer Research Institution for Additive Manufacturing Technologies IAPT, DE

9.45 h **Identification of methods and development of automotive components for additive series manufacturing**
Felix Schumacher, BMW Group, DE

10.15 h **TED questions**

10.30 h **Coffee & networking**

11.00 h **New additive manufacturing technologies potential influence on automotive production process**
Daniele Bassan, Centro Ricerche Fiat S.C.p.A., IT

11.30 h **Opportunities and challenges of new 3D printing processes in vehicle body manufacturing**
Robert Stache, Volkswagen, DE

12.00 h **Additive manufacturing of components for vehicle bodies: current limits of technology and future potential**
Martin Bock, Audi AG, DE

12.30 h **Panel discussion**

13.00 h **Lunch**

14.15 h **High-speed additive manufacturing and cladding – EHLA**
Oliver Müllerschön, Trumpf Laser- und Systemtechnik GmbH, DE

14.45 h **Casting & Additive Manufacturing: Hybrid components using new production**
Richard Kordaß, EDAG Engineering GmbH, DE

15.15 h **Re-designing 3D-printing**
Peter Jain, Desktop Metal, DE

15.45 h **Crash behaviour of body components made in laser-additive processes**
Andreas Lutz, Daimler AG, DE

16.15 h **Closing remarks and end of conference**
Andrea Huber, Automotive Circle, DE

Subject to change (status as of: 8 March 2019)



Program updates at
www.automotive-circle.com

THE CONFERENCE ADDRESSES:

Car body engineers, managers and employees of OEMs, suppliers and institutes working in the field of additive manufacturing processes.

CONFERENCE FEES

Standard: 895,- €*

Combi-ticket: 2.395,- €*

(plus conference "Strategies in Car Body Engineering", April 3-4, 2019, unit price starting 1.995,- €*)

* all prices plus German VAT

CONFERENCE VENUE

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TERMS AND CONDITIONS

Information and registration at
www.automotive-circle.com



YOUR CONTACT

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