EALA – EUROPEAN AUTOMOTIVE LASER APPLICATIONS 2021

AUTOMOTIVE CIRCLE CONFERENCE

22ND EUROPEAN EXPERT CONFERENCE · 4 - 5 MAY 2021, BAD NAUHEIM, GERMANY

CALL FOR SPEAKERS

NEW LASER APPS

- The use of lasers in automotive production has reached a high level of application maturity and quality, especially in **car body manufacturing**. However, in times of great cost pressure in this area, laser-based joining processes are being called into question as particularly costly – while other processes that are regarded as simpler and more cost-effective are also making steady progress and may offer alternatives.
  But is this questioning justified? What can today's laser technologies achieve in terms of production efficiency, joining quality and robustness? What approaches do they offer for smart production concepts? Where and under what conditions do lasers in car body manufacturing today offer unique and qualitatively unrivalled solutions?

- A completely different view is taken of the **powertrain**, most prominently in e-mobility, where under high development pressure, high-quality and highly efficient solutions are being sought for difficult and unusual joining tasks – for battery electric vehicles in the battery frame and at the connections of the battery modules and cells, in electric motors (also beyond the hairpin topic) and also in fuel cell production or other areas of the electric powertrain.
  Where, how and with what quality can laser-based processes offer attractive solutions for the production of purely electric drives? What else can lasers contribute to the efficient production of hybrid or classic combustion engine powertrains?

- In general, it remains clear: Laser beam technologies, be it welding, brazing, cutting or material modification, are extremely fast, highly precise, extremely flexible and can be used in a wide variety of applications – and they are also constantly being developed further in all these areas.
  So where can state-of-the-art industrial laser technologies, beyond established fields of application, help to break new, more efficient ground within the entire process chain of automotive production? Where are new „apps" for the laser in automotive manufacturing?

THESE ARE THE QUESTIONS to which EALA, Automotive Circle's annual international conference on laser application in automotive engineering, will be dedicated again on 4/5 May 2021, bringing together its globally leading network of automotive engineers in Bad Nauheim for the 22nd time – this time, due to the pandemic, later in the year than usual and, naturally, observing all necessary hygiene measures.

YOU HAVE ANSWERS TO THE ABOVE QUESTIONS? Then you are very welcome to submit your proposal for a half-hour presentation at EALA about your ideas and development results. To do so, please email (see below) a short abstract in English with your suggestion for the title of the presentation, the name and contact details of the speaker, and a short summary describing your presentation content, in an engineering-oriented, non-promotional manner, **BY 11 JANUARY 2021 AT THE LATEST.**

Based on your abstract, the Automotive Circle and OEM Advisory Board of the conference, consisting of Dr. Jan-Philipp Weberpals (**Audi** AG), Dr. Florian Oefele (**BMW** Group), Christian Elsner (**Mercedes-Benz** AG), Daniele Bassan, (**FCA** Italy), Stefan Axmacher (**Ford-Werke** GmbH), Joshua Solomon (**General Motors** Company), Taishi Tarui (**Nissan Motors** Co. Ltd.), Raul Botta (**Opel** Automobile GmbH), Christian Brémont (Groupe **Renault**), Thorge Hammer (**Volkswagen** AG) and Dr. Oscar Andersson (Volvo Car Corporation), will decide on the acceptance of your proposal for the conference programme.

FURTHER KEY DATES
Notification of acceptance of your proposal: **25 January 2021**
Publication of the conference programme: **early February 2021**
Submission of your (English-language) presentation files as pdf for the documentation of the conference proceedings: **15 March 2021**

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