

New focus and new format - the 29th Aachen Colloquium Sustainable Mobility 2020, as a digital event from October 5-7, 2020, will provide forward-looking insights into research and development in the automotive industry for a sustainable mobility.

Our mobility is facing numerous changes: Automated driving opens up a new dimension, but also requires different technical and legal framework conditions. New sources of energy and optimized drive systems make climate neutrality possible, whereby an appropriate infrastructure must also be implemented. An increasing need for individual mobility and a growing environmental awareness require new ideas such as car sharing or air taxes, as well as new vehicle concepts. One of the major challenges of our time is to ensure that tomorrow's mobility is efficient, safe and environmentally friendly. This complex task can only be mastered if international experts from a wide range of disciplines, from science and industry, network and exchange ideas on an interdisciplinary basis. Global cooperation is more important than ever. For this reason, the Aachen Colloquium Sustainable Mobility from October 5-7, 2020 - due to the worldwide pandemic, for the first time in a digital format - will bring together executives and experts from vehicle and engine technology, research and industry to discuss future-oriented developments for sustainable mobility. The new name of the Aachen Colloquium Sustainable Mobility (formerly "Aachen Colloquium Automobile and Engine Technology") thus reflects the changed focus. The digital conference offers the international expert audience a comprehensive program with more than 100 lectures and an accompanying virtual exhibition.

The digital Aachen Colloquium begins on October 5 at 6pm with a speech by the organizers, Prof. Dr. Lutz Eckstein from the Institute for Automotive Engineering and Prof. Dr. Stefan Pischniger from the Institute for Combustion Engines of the RWTH Aachen University, and with the opening of the virtual exhibition. The lecture program will start on October 6 at 08.30am with a plenary session in which Dr. Michael Hugo Leiters, Chief Technology Officer at Ferrari SpA, will speak on the topic "Ferrari - Emotion and Technology". Prof. Dr. Andreas Pinkwart, Minister for Economic Affairs, Innovation, Digitalization and Energy of the State of North Rhine-Westphalia, will give a presentation on the future of North Rhine-Westphalia as an automotive location. Finally, Dr. Ulrich Lages, Chief Executive Officer of Ibeo Automotive Systems GmbH, will explain why mobility requires LiDAR sensors. In the concluding plenary session on October 7 from 3.40pm, Prof. Dr. Udo Di Fabio, Chair of Public Law at the Rheinische Friedrich-Wilhelms-Universität Bonn, will present legal and ethical guidelines for automated driving.

Measures to achieve the CO₂ targets for 2050, such as electrification, zero-impact emission concepts and hydrogen applications, are just as much in focus as vehicle automation and mobility "outside the box", for example the development of fully automated and driverless vehicle types for different life situations or autonomous shuttle concepts for passenger or container transport.

In addition to the digital two-day lecture program, the Aachen Colloquium offers participants a virtual exhibition during the conference. More than 30 well-known companies, including DENSO, Robert Bosch, Vitesco and Bosal, and innovative start-ups will present their expertise and devel-

opments. The exhibiting companies will be available for direct contact in chats and online meetings. Various other digital interaction offerings complement the Aachen Colloquium and enable participants to expand their networks and exchange ideas in exciting discussions.

The digital Aachen Colloquium Sustainable Mobility is organized by the Institute for Automotive Engineering (ika) under the direction of Prof. Dr.-Ing. Lutz Eckstein and the Institute for Combustion Engines (VKA) under the direction of Prof. Dr. Stefan Pischinger, RWTH Aachen University.

Further information, the program brochure of the event and the registration form can be found on the website: www.aachener-kolloquium.de.

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