

The Aachen Colloquium Sustainable Mobility will take place for the 30th time this year. As a face-to-face event at the Eurogress Aachen from 4th to 6th October 2021, the conference will provide forward-looking insights into research and development for a sustainable mobility. The organizers are glad to welcome participants back in Aachen and online.

Our mobility is facing numerous changes: Automated driving opens up a new dimension, but also requires innovative technologies, efficient methods and processes. New energy carrier and optimized propulsion systems enable climate neutrality, whereby an appropriate infrastructure must also be implemented. An increasing need for individual mobility and a growing environmental awareness require new vehicle concepts such as bio hybrid ultra-light vehicles. 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 managed if international experts, 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 4th to 6th, 2021 will bring together executives and experts from vehicle and engine technology, research and industry to discuss future-oriented developments for sustainable mobility. The conference offers the international expert audience a comprehensive program with more than 100 lectures and an accompanying exhibition.

Participants who are not able to attend in person, due to travel regulations, are offered an online participation. Unfortunately, due to the Covid-19 safety regulations, the program at the test track and the shuttle service had to be cancelled this year. To participate in this event, one has to be recovered from Covid-19, tested or vaccinated and wearing a face mask is necessary. You have the opportunity to get tested in front of the event location.

The anniversary event begins on October 4th at 6 pm with a speech by the organizers, Prof. Dr.-Ing. Lutz Eckstein from the Institute for Automotive Engineering and Prof. Dr.-Ing. Stefan Pischinger from the Institute for Combustion Engines of the RWTH Aachen University, and with the opening of the exhibition. The lecture program will start on October 5th at 08.30 am with a plenary session in which Dipl.-Ing. Markus Duesmann, Chairman of the Board of Management and Board of Management Member for Product Lines at AUDI AG, will speak on the topic "Electromobility – Opportunity and Driver for Growth". Dr.-Ing. Stefan Hartung, Member of the Board of Management at Robert Bosch GmbH, will give a presentation on the Future of Mobility. In the closing plenary session on October 6th from 3.40 pm, Prof. Dr. Ralf G. Herrtwich, Senior Director Automotive Software at NVIDIA, Berlin, will explain what it takes to make cars more intelligent. Finally Dr. Byung-Ki Ahn, Senior Vice President Electric Powertrain BU, R&D Division at Hyundai MOBIS, Korea, will present Mobis as reliable Partner to share the Future Vision of EV.

The lecture program addresses a wide range of themes concerning mobility, vehicle and propulsion technology. Measures to achieve the CO₂ targets for 2050, such as electrification 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 package transport. Besides, the program also contains, amongst other topics, lectures about chassis systems, strategic direction, zero-impact emission concepts and, for the first time, Life Cycle Assessment (LCA).

The Aachen Colloquium offers participants a technical exhibition during the conference with more than 40 well-known companies, including DENSO, MAHLE GmbH or HORIBA Europe GmbH, which will present their expertise and innovations. The exhibiting companies will be available for direct contact on site and online. Various other interaction offerings complement the Aachen Colloquium and enable participants to expand their networks and exchange ideas in exciting discussions.

The 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.-Ing. Stefan Pischinger, both RWTH Aachen University. From 1st October 2021 onwards, the Institute for Combustion Engines will get a new name description. From "VKA" to "tme": "Chair of Thermodynamics of Mobile Energy Conversion Systems".

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

In case of questions or uncertainties, please contact:

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