

Sustainable emissions and autonomous shuttle concepts, electrification and hydrogen applications: Experts from research and development discuss the future of mobility at the 31st Aachen Colloquium Sustainable Mobility.

In view of numerous challenges such as strict emissions legislation or increasing vehicle automation, the automotive industry is faced with the complex task of designing the mobility of tomorrow. What capabilities will our vehicles have in the future and how will we interact with them? What kind of climate-neutral energy sources and drive systems will we use in the future? These are the questions that experts from the diverse fields of mobility, from science and industry will discuss at the 31st Aachen Colloquium Sustainable Mobility.

The Aachen Colloquium Sustainable Mobility, hosted by Professor Lutz Eckstein, Institute of Automotive Engineering (ika), and Professor Stefan Pischinger, Chair of Thermodynamics of Mobile Energy Conversion Systems (tme), of RWTH Aachen University, is regarded as one of the leading specialist congresses in the automotive and mobility sector worldwide. In 100 specialist lectures - accompanied by a technical exhibition with around 40 exhibitors – more than 1000 experts exchange views on one of the greatest global challenges: the mobility of the future.

The opening plenary session with high-ranking executives from the mobility industry received special attention. Hans Schep, General Manager at Ford Pro Europe, spoke about productivity acceleration for the connected and electrified age: "Development cycles are getting shorter and shorter." According to Schep, partnerships are more important than ever. Dr. Axel Gern, Senior Vice President of Engineering and Managing Director of Torc Europe GmbH, spoke on "Autonomous Trucks - Vision, Current Status and Challenges": "We are focusing on automating the long haul, taking over the majority of traffic".

In the closing plenary session on Wednesday, Gerrit Marx, Chief Executive Officer of IVECO GROUP, will present hydrogen applications in the transport sector. Finally, Kai-Uwe Wollenhaupt, President of SVOLT Europe, and Vice President of SVOLT Energy Technology, will give an insight into electromobility from the viewpoint of a leading battery manufacturer.

In the accompanying technical exhibition, renowned companies show their recent developments and innovations. For example, fka GmbH will show how future mobility can be designed to be safe, sustainable and give a positive experience. These three goals are pursued by fka in its holistic research approach which focuses on users. At fka's exhibition booth, projects and research results of the last years are vividly presented by means of interactive exhibits. All projects exemplify fka's high level of innovation and integration. The company supports its customers from the initial idea, through conception and simulation, prototypical implementation, to final testing. In addition to an extensive test infrastructure, it has all the tools it needs to implement ideas in real life, integrate them into vehicles and evaluate them on test benches and in road tests. The scientific background and research results will be presented and discussed in specialist sessions.



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FEV, a leading international independent service provider in vehicle and powertrain development for hardware and software, will present developments for CO₂-free mobility at the Aachen Colloquium. In addition, the company's software and energy solutions will be presented which, with a focus on sustainability, offer a high level of economic benefit. FEV is a pioneer in sustainable development solutions which is also reflected in the company's booth at the exhibition. The portfolio ranges from the eScooter KlikA for shorter urban distances to the car-sharing concept vehicle SVEN and the air cab that connects people quickly and efficiently in metropolitan regions. FEV also demonstrates software for intelligent vehicles with a high degree of automation and the transfer of its expertise to smart energy systems.

In the future, the diverse topics of sustainable mobility will continue to be of high importance for research and industry. Therefore the 32nd Aachen Colloquium has already been scheduled. From October 09th to 11th, 2023, the Institute of Automotive Engineering (ika) and the Chair of Thermodynamics of Mobile Energy Conversion Systems (tme) of RWTH Aachen University will once again bring together automotive and mobility experts from science and industry at the Eurogress Aachen.

Further information is available at [Aachen Colloquium Sustainable Mobility - Home \(aachener-kolloquium.de\)](https://aachener-kolloquium.de) or please contact:

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