

## **Shaping the mobility of tomorrow: future-oriented insights into automotive research and development at the 28th Aachen Colloquium Automobile and Engine Technology at Eurogress Aachen from October 7th to 9th, 2019.**

The automotive world faces numerous changes: automated driving offers a new dimension of mobility, but needs a changed technical and legal validation. New energy sources and optimized propulsion systems enable a climate-neutral mobility, but the according infrastructure needs to be implemented. A rising demand for individual mobility and a growing ecological awareness require new mobility concepts like car sharing or air mobility as well as corresponding new vehicle concepts.

Science and industry now have the chance to shape tomorrow's mobility. This complex task can only be accomplished if international specialists from a wide variety of disciplines, from research and companies, network and exchange intensely. The Aachen Colloquium brings together experts from automobile and propulsion technology, science and economy, to discuss future-oriented research results and developments in the automotive industry. The conference, which is limited to 1800 participants, offers a comprehensive program with more than 100 technical lectures and an accompanying technical exhibition to its participants coming from more than 30 different countries.

The Colloquium will be opened with plenary speeches, first by Hendrik Wüst, Minister of Transport of the State of North Rhine-Westphalia (NRW), about the future of mobility and the opportunities and challenges for NRW. Ichiro Hirose, Senior Managing Executive Officer of the Mazda Motor Corporation will report on the way toward the ideal internal combustion engine for a sustainable future. Dr. Jörg Stratmann, Chairman of the Management Board and CEO of the MAHLE Group will present "Tailored Mobility – MAHLEs Concept for the Drivetrain of the Future". In the closing plenary session on Wednesday, Michael Reinartz, Director Innovation & Consumer Services at Vodafone Deutschland, will show how mobile communications transports road traffic into the future. Finally, Sanjay Ravi, M.Sc., General Manager, Automotive Industry at Microsoft Corporation, will give an outlook on how to empower the automotive industry and drive the future of mobility.

The presentation program addresses a wide variety of highly topical issues in automobile and propulsion technology. Electric and hybrid vehicles are focused just as latest generations of high efficiency engines and innovative emission concepts. Driver assistance systems, automated driving and Human-Machine-Interaction (HMI) are main themes of the colloquium as well.

Besides the 2-day lecture program, the Aachen Colloquium offers its participants a visit of the ika test track. Here, latest vehicle and propulsion concepts can be experienced in an individual test drive. In the accompanying technical exhibition, 68 renowned OEMs and automotive suppliers like Robert Bosch, Continental, and Denso, will demonstrate their competencies and developments.

# 28

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**KOLLOQUIUM**  
AACHEN COLLOQUIUM  
Fahrzeug- und Motorentechnik  
Automobile and Engine Technology

Univ.-Prof. Dr.-Ing. Lutz **Eckstein**  
**ika** - Institut für Kraftfahrzeuge Aachen

Univ.-Prof. Dr.-Ing. Stefan **Pischinger**  
**VKA** - Lehrstuhl für Verbrennungskraftmaschinen  
RWTH Aachen University

The Aachen Colloquium Automobile and Engine Technology is organized by the Institute for Automotive Engineering (ika) under direction of Prof. Dr.-Ing. Lutz Eckstein and the Institute for Combustion Engines under direction of Prof. Dr.-Ing. Stefan Pischinger at RWTH Aachen University.

Further information and the program brochure of the conference can be obtained at [www.aachen-colloquium.com](http://www.aachen-colloquium.com) and from the following contact:

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