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Forschungsvereinigung Verbrennungskraftmaschinen e.V.
FVV | Research Association for Combustion Engines

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Independent of fossil energy sources: FVV adopts a new mission statement

Energy and mobility systems are facing a profound change. The Research Association for Combustion Engines (FVV) is redefining its role with a mission statement based on a survey of its members. In future, it wants to focus even more strongly on both climate-neutral, near-zero-emission mobility and energy conversion.

Frankfurt/M. - 30 April 2020 // On the way to climate-neutral energy generation and resource-efficient mobility with emissions at the detection limit, the internal combustion engine continues to play an important role. However, the technology of combustion engines and turbomachines is undergoing rapid change. In the future, synthetic fuels and operating fluids will significantly improve the technology's CO₂ balance. In addition, vehicle engines are increasingly being upgraded to hybrid systems with electric powertrain components. The Research Association for Internal Combustion Engines (Forschungsvereinigung Verbrennungskraftmaschinen - FVV) has reacted to this change and has adopted a new mission statement. It defines both the form in which the FVV intends to promote pre-competitive collective research in the future and the main focus of its research activities.

In addition to the optimisation of the internal combustion engine, research on fuel cells and alternative fuels is already an important focus. In the future, corresponding projects are to be initiated more intensively and the effects of renewable energy sources on mobility, transport and the entire energy system are to be examined more specifically in orientation studies. In addition, future FVV projects will deal with the use of digitalisation and artificial intelligence in engine and turbine engineering and design. "The future of the combustion engine is independent of fossil energy sources," said Dr Peter Gutzmer, President of the FVV, on the occasion of the adoption of the new mission statement. "This applies all the more to the gas turbine, which will be operated in the future with increasingly higher hydrogen contents".

However, technology is only one of three pillars of the FVV. The second pillar is the world's leading network of member companies, ranging from large, globally active corporations to small medium-sized companies with a dozen employees. "This enables us to bring the know-how that exists in this country and abroad in turbomachinery, internal combustion engines, hybrid powertrains and fuel cells to the breadth of the value chain," explains FVV Managing Director Dietmar Goericke.

The new mission statement names young talent as the third pillar. In the research projects initiated or financed by the FVV, young engineers work on application-oriented questions, usually in the context of bachelor, master and doctoral theses - and thus build a bridge between scientific research and industrial practice. "In doing so," says Goericke, "we show that there are exciting tasks for young engineers in both science and industry on the way to climate-neutral mobility and energy supply."

The new mission statement adopted by the FVV can be found at:

[FVV's new mission statement](#)

An informative interview with Dr Peter Gutzmer and Dietmar Goericke can be found at:

[Independent of fossil energy sources](#)

We will keep you informed about innovative projects and orientation studies on our new technology stories webpages:

[FVV Prime Movers. Technologies.](#)

Images



FVV President Prof Dr Peter Gutzmer and Managing Director Dietmar Goericke

Download at <https://www.fvv-net.de/en/media/press/>



About FVV

FVV | The Research Association for Combustion Engines is a globally unique network of companies, research & technology performers (RTD) and funding bodies. In the context of pre-competitive Industrial Collective Research (IGF), manufacturers of automotive engines, industrial engines, fuel cells and turbomachinery as well as their suppliers and service providers work together with universities and other research establishments on cutting-edge technologies. The aim is to make internal combustion engines, hybrids, turbomachines and fuel cells cleaner, more efficient and sustainable – for the benefit of society, industry and the environment.

Combustion engines and fuel cells facilitate individual mobility, transportation, energy supply and industrial added value. The innovative power of the industry and its economic success make a significant contribution to social prosperity. As a non-profit organisation, the FVV supports the development of its members - small, medium and large companies - and the promotion of young scientists through pre-competitive industrial collective research.

The FVV is a member of the German Federation of Industrial Research Associations (Arbeitsgemeinschaft industrieller Forschungsvereinigungen - AiF), the leading national organisation for applied research and development for SMEs. It has invested more than 500 million euros in 1,200 research projects since it was founded in 1956.

More information can be found at www.fvv-net.de/en