



## FVV Newsletter 02/2021

"We are facing similar radical transformations as after the invention of the car 125 years ago. Hidden behind the surface of continuity lies an evolutionary change in the system of mobility that should not be underestimated" writes the ADAC in its recently published Future of Mobility Study. But instead of sitting down together and thinking about how to solve this enormous challenge for the future in a market-based and technological way and how to promote technology competition in a constructive and open-ended way, ideological blocs are clashing in Berlin and Brussels. In contrast, the new EFI annual expert report on research, innovation and Germany's technological performance provides important recommendations for action in national research and innovation policy and praises the German government's intention to use 60 billion euros from the economic stimulus package for investment and innovation. The AIF's commitment to a continuous increase in funding for application and transfer-oriented, pre-competitive and thus technology-open collective research is also highly commendable: the German Bundestag's allocations for the IGF will for the first time reach 200 million euros in 2021. And where does the FVV go with its funds? We invest, for example, in basic research for sustainable combustion and individual mobility of tomorrow. Find out for yourself at the FVV 2021 Spring Conference, where we will present, among other results, the final report of a research project on ultimate system efficiency of hybrid passenger car powertrains in real-world operation. **Please, stay connected. #staytogether**

### TOGETHER FOR SUSTAINABLE MOBILITY

*In Berlin and Brussels, the political power structures are currently being defined: the distribution of power between the energy industry and the automotive industry is at stake. According to whose interests is the market regulated? Which lobby will be heard more in politics? And where does that leave the environment, climate and consumers?*

Together with our broad innovation network, the FVV is campaigning for a process in which exhaust gas and CO2 emissions are reduced in Germany, Europe and the world through many different new technological developments. The use of hydrogen and synthetic fuels also for new vehicles is just as much a part of this as a sustainable further optimisation of the combustion engine, the use of fuel cell technology and a growing number of battery-powered vehicles. Such a broad-based modernisation would advance not only the automotive industry but also end-use industries such as construction and agricultural machinery manufacturers in their transformation process.

#### VDMA: Plans for Euro 7 standard must be changed - Combustion engine leads to a green future!



The planned Euro 7 emission standard must not reverse the success of the previous Euro standard. The combustion engine remains an important motor for the journey to green mobility, as a necessary part of a hydrogen economy. The planned obligation that new vehicles in Europe must be practically emission-free from 2025 onwards would be an ecological, economic and technological aberration.

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#### EU: Nine member states call on the Commission to set a phase-out date for new petrol and diesel cars



The Netherlands has just sent a letter to the EU Commission asking it to set an EU-wide phase-out date for the sale of new petrol and diesel cars. The non-official paper also names Austria, Belgium, Denmark, Greece, Malta, Ireland, Lithuania and Luxembourg as senders. The nine EU member states are also in favour of "local zero-emission" mobility and much stricter CO2 legislation. Internal combustion engines do not count as "zero-emission" technologies. We disagree: vehicles with modern spark / compression ignition engines or hybrids, if they run on climate-neutral fuels, are just as effective as "EVs".

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### Fundamental Research for Sustainable Individual Mobility

Spark-ignition combustion engines make up a considerable share of the powertrains for individual mobility applications – not just today, but also in the decades to come as a part of electric powertrains. FVV's Planning Group 2 »Combustion SI« is therefore dedicating numerous research projects to reducing the CO2 emissions from these engines, with a special focus being placed on real-world operation with fuels produced in a CO2-neutral manner.

This article was published by our partner magazine **MTZ**, issue **03/2021**.

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You will find further technical publications on our website: [FVV Research Priorities I](#) [MTZ Project Reports](#)



#### THEMIS News

- FVV Final Reports:
- The 2020 volume
- THEMIS Calendar:
- FVV meetings in March/April

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### MADAM CHANCELLOR, YOU'VE GOT MAIL!

#### Protecting the climate together - Open letter from the scientific community to Chancellor Angela Merkel



The reason for sixty researchers, as citizens and private individuals, to address a letter to politics, the press and the public is the upcoming implementation of the recast of the European Renewable Energy Directive (RED) II into German law. The scientists are firmly convinced that the German government is currently setting the wrong course in climate protection. Our Managing Director Dietmar Goericke co-signed the letter.

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#### Expert Commission on Research and Innovation publishes new yearly report for 2021



On 24 February, the Expert Commission on Research and Innovation (EFI) presented its 2021 report on Germany's research, innovation and technological performance to Federal Chancellor Angela Merkel // The major challenges of society, such as meeting the sustainability goals or continuing the transformation of the energy and mobility systems, must be given high priority // Existing technological backlogs must be, by all means, closed and, in the case of emerging key technologies (e.g. hydrogen), avoided

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### NEWS FROM THE AIF

#### You can count on politics: budget for Industrial Collective Research in the 2021 Federal Budget Act at highest level to date



For the first time in its history, since 1954, the budget for Industrial Collective Research (IGF) to promote innovation activities of the research-oriented German Mittelstand has been raised to the annual level of 200 million euros // AIF President Prof. Dr. Sebastian Bauer proposes an "initiative to promote innovation in small and medium-sized enterprises"

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#### AiF appoints members of the Committee on Education, Research and Technology Assessment to the Senate



The German Federation of Industrial Research Associations "Otto von Guericke" e. V. appoints the members of the German Bundestag (MdB) Dr Anna Christmann (Bündnis 90/Die Grünen) and René Röspel (SPD) to the Senate of the AIF as of 1 May 2021 // Both MPs are members of the Committee on Education, Research and Technology Assessment, which is so important for Industrial Collective Research (IGF)

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### TOGETHER FOR SUSTAINABLE COMBUSTION



#### FVV 2021 Spring Conference: Already registered?

Our passion for research into sustainable prime movers, such as turbomachines, aero engines, combustion/hybrid engines and fuel cells, is stronger than ever! What about you? Make sure you don't hesitate for a second to register for the FVV 2021 Spring Conference:

**22-24 March 2021 | Information Sessions**  
**25-26 March 2021 | Internal Committee Meetings / Planning Groups**

*All live sessions will be simultaneously translated into English.  
Individual presentations from the livestream will be available on THEMIS for viewing after the conference.*

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For questions regarding your newsletter subscription, please contact Petra Tutsch or Stephanie Smieja at [newsletter@fvv-net.de](mailto:newsletter@fvv-net.de)