

FVV PRIME MOVERS. THE NETWORK.



FVV Newsletter | March 2020

These are indeed demanding times we do live in! Not that we all lack current challenges. Now a small micro-organism has managed to catapult our working routines of presence meetings, large conferences and information meetings, as well as face-to-face voting procedures, which we have been successfully practicing in the FVV and Industrial Collective Research for so many years, into the digital era at breathtaking speed. Let's not misunderstand each other: a written preliminary assessment of newly submitted research proposals or even new ideas for future-oriented projects supported by web conferences definitely cannot replace our cancelled conference. Nevertheless, we are relieved that we were able to work out the future research programme this spring together with our members in exactly this way. We would like to make up for the presentation of the latest research results at the FVV 2020 Autumn Conference in September. In this newsletter, however, we are already providing you with the written proceedings of the cancelled information sessions. The FVV as an association is keen on getting people involved: We thrive on the commitment and enthusiasm of the people behind modern research on gas and steam turbines, axial and radial compressors, internal combustion engines, hybrids and fuel cells, alternative fuels, artificial intelligence and innovative materials. The current corona crisis poses great challenges for our members as well as for the research and technology (RTD) performers. That is why we would like to use this newsletter to say thank you above all to all those who support our network in these times and continue to accompany us with their challenging ideas in the future.

FVV 2020 Spring Conference: Proceedings for Engines and Turbomachinery published



After the FVV 2020 Spring Conference unfortunately had to be cancelled, we would like to provide you with online copies of the conference proceedings for ENGINES and TURBOMACHINERY. The results of the research projects can now be regarded as published.

[Learn More](#)

2020 International Stuttgart Symposium: Conference proceedings for FVV Session published



Due to the current situation, the 20th International Stuttgart Symposium, like many other events, could not take place in March 2020. The organisers have now published the proceedings of the symposium. The traditional FVV Session included three papers.

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THEMIS

THEMIS News

New research results | Published in 2019
FVV final reports

Spring Meeting of the Planning Groups
New project proposals and ideas

THEMIS Calendar:
FVV meetings & events in April

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JOURNALS

MTZ WORLDWIDE 03/2020 Oxygenated Fuels in Compression Ignition Engines



Internal combustion engine technology can also be applied in order to meet future greenhouse gas and pollutant emission targets, if the fuel characteristics are included as free parameters within the optimization of the powertrain. Therefore, a BMW-funded consortium investigated oxygenated low-carbon fuels for the application in compression ignition engines, in order to study their combustion and pollutant formation properties on the engine and within a vehicle application.

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MTZ WORLDWIDE 04/2020 Deposit Formation on Diesel Oxidation Catalysts



Deposits on components of the Exhaust Aftertreatment (EAT) are often only detected after the failure of the respective component. Within the FVV project EAT Clogging (FVV project no. 1271), the Technical University of Braunschweig investigated which parameters have an impact on deposit formation and in which stages this takes place. The investigations include dynamic endurance runs and stationary tests.

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THE PEOPLE BEHIND MODERN RESEARCH

Thomas Hildebrandt Rising high



Thomas Hildebrandt initially followed a very academic path: school qualifications, degree, doctorate. Then he discovered simulation, programmed software and set up his own business. Ever since then, he has been devoting himself to rotating flows – such as the airflows found in engines, turbochargers and turbines.

[Learn More](#)

Christine Burkhardt Pressure produces performance



Entrepreneur Christine Burkhardt learned how to work within networks quite early on. Being employed by a major automobile manufacturer gave her the opportunity. Women were still something of a rarity in the area of engine development at the time. That also had its advantages: a high profile was an essential requirement for her career and for a far-reaching decision that she made one day.

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Who to contact for public funding project administration

Much is in motion at FVV - also when it comes to the staff of project administration: If you have any questions regarding the application procedure or project management with public funding bodies, please contact **Waltraud Weißbarth** and **Joana Rehner** (from left to right). Some of you already know Mrs Rehner from the annual information event on BMWi/AiF funding. Mrs Weißbarth was recruited at the end of last year from the Research Association for Drive Technology (FVA). The two colleagues are supported by Tanja Stupar, who continues to take care of the association's finances and the handling of self-financed projects.

For questions regarding your newsletter subscription, please contact Petra Tutsch or Stephanie Smieja at newsletter@fvv-net.de