

Get-Together and Exhibition opening

4.11.2025, 18:30 (included in registration fee)

We invite all participants to get to know speakers and other participants in a relaxed atmosphere on the eve of the 22th FAD-conference, to visit the exhibition and to have initial technical discussions.

A snack is prepared for the physical well-being.

Social Evening

5.11.2025, 19:00 (included in registration fee)

We invite you to end the first day of the conference with a view of the beautiful silhouette of Dresden's old town.



At the Hotel Bellevue Bilderberg, you can expect culinary delights, interesting discussions in a pleasant atmosphere, and other highlights in a historic setting.

Guided tour of the Trinitatis Cemetery

5.11.2025, 10:30 - 12:30 Price per person 15.00 €



Foto: N. Reith

The Trinity Cemetery in Dresden served as the inspiration for Caspar David Friedrich's work "Cemetery Entrance" and also became his final resting place. But it's not just the newly designed grave of C. D. Friedrich that makes this cemetery so worth visiting. Many other notables were laid to rest here. The Trinitatis Cemetery is an example of successful cemetery design, combining functionality with art and aesthetics. This cemetery is of great importance both for the history of Dresden and from a cultural-historical perspective. We cordially invite you to learn more about its history and the important figures buried here during this guided tour.

Conference Venue

Hotel Hiltone
An der Frauenkirche 5
01067 Dresden



Phone: +49 (0)351 86420

Registration Fees

Industry (presence participation)		1200.00 €
Industry (online participation)	5./6.11.2025	600.00 €
	5.11.2025	360.00 €
	6.11.2025	360.00 €
University/Academy/Authorities (presence participation)		700.00 €
University/Academy/Authorities (online participation)	5./6.11.2025	325.00 €
	5.11.2025	195.00 €
	6.11.2025	195.00 €
	Accompanying person at the social evening - 5.11.2025	

The registration fee includes food and refreshments during breaks, as well as lunch, proceedings, the get-together (4.11.2025) and the social evening (5.11.2025).

Hotels

Please note that the city of Dresden will levy an accommodation tax (6% of the overnight price) **for all overnight guests** from July 1st, 2023.

Hotel Hilton Dresden (conference venue)
An der Frauenkirche 5, 01067 Dresden, Phone: +49 351 86420

Single room	134.00 € (incl. breakfast)
Double room	159.00 € (incl. breakfast)

Star G Hotel Premium Dresden Altmarkt
Altmarkt 4, 01067 Dresden, Phone: +49 351 307 110

Single room	75.00 € (plus 18.00 € breakfast per person per day)
Double room	85.00 € (plus 18.00 € breakfast per person per day)

Organiser

Research Association for Emission Control Technologies for Combustion Engines (FAD)
- registered association -
Gutzkowstr. 30
01069 Dresden/Germany



Prof. Dr.-Ing. Gennadi Zikoridse, Executive Director
Ms. Berit Reuter, Assistant to Executive

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Program and Scientific Direction

Prof. Dr.-Ing. G. Zikoridse FAD e.V. /HTW Dresden

Program Committee

Executive Committee FAD e.V.

Conference Language

The conference language is German.

ATTENTION! We **do not offer** simultaneous translation this year.

Exhibition

The conference will feature an exhibition and presentation opportunities.

Further information can be found in our exhibitor brochure, which is available for download at www.fad-diesel.de or can be requested from the FAD e.V. office.

Application deadline for exhibition 18.10.2025

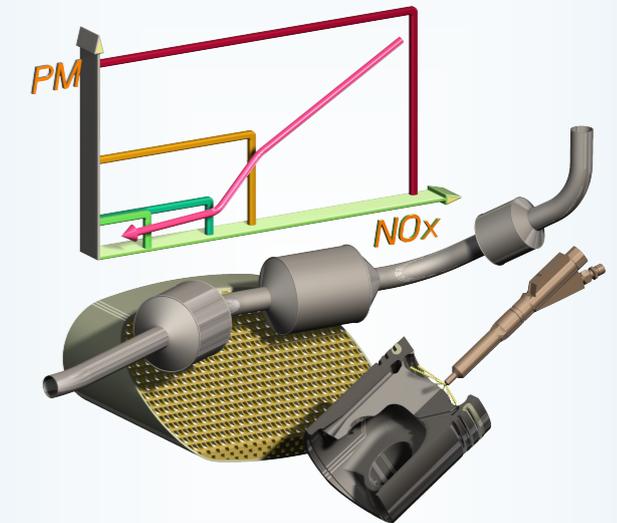
Information on photographing

During the event we take pictures for the purpose of publication on the conference CD, in information leaflets of FAD e.V., in trade journals and on our website www.fad-diesel.de. By your participation in the conference you also consent to the publication of photos showing you. If you do not wish this, please, inform our photographer or our assistants. We would also like to point out that online participation takes place via live stream from the conference room.

Research Association
For Emission Control Technologies
For Combustion Engines (FAD)
-registered association-



22. FAD-Conference



„The Challenge - Exhaust Aftertreatment“

INVITATION

ONLINE OR PRESENCE PARTICIPATION

5.11. - 6.11.2025 in Dresden

PREAMBLE

Dear Ladies and Gentlemen,

We would like to cordially invite you to the 22nd FAD Conference in Dresden on November 5-6, 2025. This will be held in the 25th anniversary of the FAD e.V. The anniversary will therefore be appropriately reflected in the conference program. However, the presentations will not focus on previous achievements, but rather, as usual, on innovations and solutions in the field of exhaust gas aftertreatment. Exhaust gas aftertreatment systems are already widely used in all internal combustion engine applications.

The program for this year's FAD conference highlights the diversification that has taken place in drive systems and fuels. It also highlights the new challenges that lie ahead, for example, in exhaust gas aftertreatment for H2 combustion engines and hybrid engine concepts, the use of alternative/renewable fuels, and the implementation of zero-emission solutions. The presentation selection is complemented by cross-topic contributions.

As in previous years, the accompanying exhibition will complement the conference program. It will provide an informative complement to the presentations and also provide an opportunity for networking with other conference participants during the breaks. The exhibition opening will once again take place as part of the get-together on the evening before the first day of the conference. You are cordially invited to attend.

Whether as a participant or exhibitor – we would be delighted if the program piques your interest and we can welcome you to Dresden in November.


Prof. Dr.-Ing. Gennadi Zikoridse
Executive Director FAD e.V.



PROGRAM

Wednesday, 5. November 2025

09:00 **Welcome and Opening**
Prof. Dr.-Ing. G. Zikoridse, FAD e.V./ HTW Dresden, D

09:15 **Welcome address**
Prof. Dr.-Ing. I. Gestring, Rektor HTW Dresden, D

Session I: Evolution of exhaust aftertreatment
Chairman: K. Schrewe, HJS Emission Technology GmbH & Co. KG, D

09:30 **25 Years of FAD - Progress for Air Quality: Review and Vision**
Prof. Dr.-Ing. A. Dittler, Karlsruher Institut für Technologie (KIT), D

10:15 **DEUTZ Exhaust aftertreatment - A technical journey through time**
Sebastian Heinecke, Deutz AG, D

10:45 *Coffee break*

Session II: Combustion engine as a component of sustainable mobility
Chairman: K. Schrewe, HJS Emission Technology GmbH & Co. KG, D

11:15 **The transformation of the combustion engine from an emissions problem to an integral component of sustainable mobility**
Prof. Dr. sc. techn. Th. Koch, Dr.-Ing. O. Toedter, Philipp Weber, Karlsruher Institut für Technologie (KIT), D

11:45 **Future requirements on aftertreatment systems for heavy duty truck applications in the frame of a global decarbonization of road transport**
Dr.-Ing. S. Schraml, Traton R&D Deutschland GmbH, D

12:15 **Aftertreatment under H2-ICE conditions: A simple take over from diesel engine or does it contain catalytical challenges?"**
Andreas Weissinger, Dr. A. Maßner, Lisa Zimmermann, Daimler Truck AG, D

12:45 *Lunch*

Session III: Research and development contributions
Chairman: Dr.-Ing. G. Hüthwohl, Albonair GmbH, D

14:00 **Function development for the emission-optimized operation of hydrogen combustion engines in the off-highway segment**
Prof. Dr.-Ing. C. Schönfelder-Manka, Berliner Hochschule für Technik (BHT), D; Prof. Dr.-Ing. K. Wittek, Hochschule Heilbronn, D

14:30 **Modelling of the combined NOx and HCHO removal from gas engine exhaust using SCR catalysts**
Dr. Ch. Hahn, Prof. Dr. S. Kureti, TU Bergakademie Freiberg, D

PROGRAM

15:00 **Catalytic nitrogen oxide reduction beyond 500 °C on stationary engine**
Jan-Hendrik Honerkamp, Emission Partner GmbH & Co. KG, D;
Prof. Dr. A. Roppertz, Hochschule Niederrhein, D

15:30 *Coffee break*

Session IV: New solutions for the automotive industry
Chairman: Dr.-Ing. G. Hüthwohl, Albonair GmbH, D

16:00 **Implementing Euro 7**
Helge Schmidt, TÜV NORD Mobilität, D

16:30 **Future Scenarios for the European Automotive Industry**
Dr. S. Kahlbau, Alexej Schwindt, consulting4drive GmbH, D

17:00 **H2 value chain from the perspective of a medium-sized enterprise**
Frank Vehlen, Oberland Mangold GmbH, D

19:00 *Social evening*

Thursday, 6. November 2025

Session V: Fuels for future mobility
Chairman: Sebastian Heinecke, Deutz AG, D

9:00 **Diesel fuels between standards, engines and sustainability – 25 years of development in retrospect**
Prof. Dr.-Ing. H.-P. Rabl, Florian Zacherl, Lucas Kudala, Klaus Kammermeier, Ostbayerische Technische Hochschule Regensburg, D

9:45 **Between promotion and regulation – biofuel policy in transition**
Dieter Bockey, Union zur Förderung von Oel- und Proteinpflanzen e. V.; D

10:15 **Biomass potential for the production of renewable gasoline in Europe**
Lars Knaup, Niko Weimer, Prof. Dr. techn. Ch. Beidl, TU Darmstadt, D

10:45 *Coffee break*

Session VI: Technologies for future fuels
Chairman: Sebastian Heinecke, Deutz AG, D

11:15 **The importance of renewable fuels for future mobility**
Prof. Dr. Th. Garbe, Volkswagen AG, D

PROGRAM

11:45 **In-cylinder charge motion as key enabler to convert existing diesel engine designs into efficient multi-fuel operation with novel fuel types**
Thomas Körfer, Dr.-Ing. A. Dhongde, Dr.-Ing. L. Virnich, FEV Group GmbH, D

12:15 *Lunch*

Session VII: New technologies for exhaust aftertreatment
Chairman: Prof. Dr. Th. Garbe, Volkswagen AG, D

13:30 **Achieving NOx Emissions with Zero-Impact on Air Quality from Diesel Light-Duty Commercial Vehicles**
Dr.-Ing. H. Busch, FEV Vehicle GmbH, D;
Prof. Dr.-Ing. S. Pischinger, Dr.-Ing. M. Günther, Theodoros Kossioris, Dr.-Ing. S. Sterlepper, RWTH Aachen, D;
Thomas Körfer, FEV Group GmbH, D

14:00 **Zero-impact NOx emissions from a garbage truck in real operation**
Dr.-Ing. G. Hüthwohl, Arthur Müller, Robin Thannimotil, Fabian Feldhaus, Albonair GmbH, D

14:30 **Typ approval of a Hydrogen Combustion Engine**
Dr. A. Münzer, Stephan Nentwig, EE Energy Engineers GmbH (TÜV NORD GROUP), D

15:00 *Coffee break*

Session VIII: Alternative technologies
Chairman: Prof. Dr. Th. Garbe, Volkswagen AG, D

15:30 **Modular exhaust gas aftertreatment system for diesel engines with up to 3 MW**
Ingo Zirkwa, Bernd Lindemann, HJS Emission Technology GmbH & Co. KG, D

16:00 **Investigation of exhaust aftertreatment concepts for stationary NH3 diesel dual-fuel engines**
Felix Wenig; Dr.-Ing. S. Prehn, Prof. Dr.-Ing. B. Buchholz, Universität Rostock, D

16:30 **Summary and conclusions**
Prof. Dr.-Ing. G. Zikoridse, FAD e.V./ HTW Dresden, D