

SOCIAL PROGRAM

Get-Together and Exhibition opening
3.11.2026, 18:30 (included in registration fee)

We invite all conference participants to join us on the eve of the 23rd FAD Conference for an informal opportunity to meet the speakers and fellow attendees, visit the exhibition, and initiate professional discussions sparked by brief introductory presentations. During the evening, you can look forward to 10-minute presentations on the following topics:

"Euro 7 Challenges for Commercial Vehicles?"
Dr. Stephan Schraml, TRATON R&D Germany GmbH

"Uniform Distribution – The Key to a Highly Efficient SCR System"
Sebastian Heinecke, DEUTZ AG, Germany

Refreshments and snacks will be provided.

Guided tour
4.11.2026, 18:00 - 19:00 Price per person 12.00 €

After four engaging lecture sessions offering impressive views of Dresden's Old Town, there is an opportunity to immerse yourself in a unique setting during a guided city walk and learn fascinating facts about Dresden.
A stroll through the heart of the city—across historic cobblestones and past atmospherically illuminated Baroque facades—serves as the ideal aperitif for the evening event that follows.

Social Evening
4.11.2026, 19:30 (included in registration fee)



We cordially invite you to conclude the first day of the conference with a dinner set against the impressive backdrop of Dresden's Old Town. At our conference hotel, a historic setting awaits you, along with culinary delights, stimulating conversation in a pleasant atmosphere, and other highlights.

INFORMATION

Conference Venue
Bilderberg Bellevue Hotel Dresden
Große Meißner Str. 15
01097 Dresden



Phone: +49 (0)351 8050

Registration Fees	
Industry (presence participation)	1200.00 €
University/Academy/Authorities (presence participation)	700.00 €
Accompanying person at the social evening - 4.11.2026	80.00 €

The registration fee includes food and refreshments during breaks, as well as lunch, proceedings, the get-together (3.11.2026) and the social evening (4.11.2026).

You can find the registration form at www.fad-diesel.de.
The registration deadline is October 25, 2026.

Hotel

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.

Bilderberg Bellevue Hotel Dresden (Conference Hotel)
Große Meißner Str. 15, 01097 Dresden
Phone: +49 351 8050

Single room (incl. breakfast) €135.00 plus accommodation tax

Double room (incl. breakfast) €160.00 plus accommodation tax

A room allotment is available for conference participants at the conference hotel under the above-mentioned conditions. Participants are responsible for making their own room reservations. You will receive the reservation form and the booking code once your conference registration has been received.

ORGANISATION

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

Phone: +49 (0) 351 647 53 977
E-Mail: konferenz@fad-diesel.de
Web: www.fad-diesel.de

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 offers indoor and outdoor exhibition space as well as other 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.

The registration deadline for the exhibition is October 26, 2026.

Information on photographing

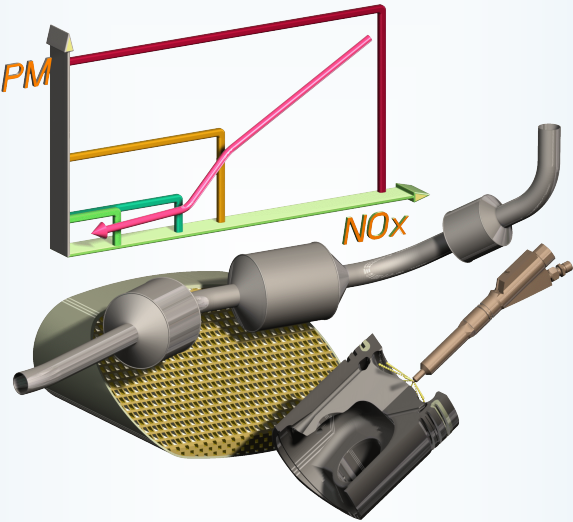
During the event we take pictures for the purpose of publication on the conference CD, in information leaflets of FAD e.V., in trade journals and on our website www.fad-diesel.de. By your participation in the conference you also consent to the publication of photos showing you. If you do not wish this, 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.

SCIENCE - RESEARCH - DEVELOPMENT - COOPERATION

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



23. FAD-Conference



„The Challenge -
Exhaust Aftertreatment“

INVITATION

4.11. - 5.11.2026 in Dresden

PREAMBLE

Ladies and Gentlemen,

The 23rd FAD Conference, "Challenge – Exhaust Aftertreatment," will take place in Dresden on November 4 and 5, 2026. We are gathering at a time when profound geopolitical shifts are significantly impacting global raw material and sales markets, and structural challenges facing our industrial base are intensifying. Alongside the central goal of CO2 reduction, increasing efficiency, achieving raw material independence, and optimizing costs are becoming increasingly central to technological development. The internal combustion engine remains a key pillar of global mobility and contributes decisively to the economic stability of Germany as an industrial location.

To ensure the long-term competitiveness of European industry, increasingly dynamic markets demand a consistent commitment to technological openness. The diversification of powertrains and fuels places new demands on exhaust aftertreatment systems—while simultaneously creating opportunities for innovative solutions rooted in our world-class development expertise.

This year's conference program is tailored to these conditions. Across eight thematic sessions, you can look forward to forward-looking presentations covering topics such as exhaust aftertreatment concepts for alternative fuels, practical requirements for the launch of Euro 7 type approval, and future perspectives and transformation pathways for mobility. The program is complemented by our established accompanying trade exhibition. We cordially invite you to a get-together on the evening prior to the first day of the conference. Take this opportunity to meet fellow professionals, exchange initial ideas, and attend the opening of the trade exhibition.

I look forward to groundbreaking keynote speeches, in-depth technical discussions, and valuable networking opportunities. We warmly welcome you to join us and play an active role in shaping the future of powertrain technologies!



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



PROGRAM

Wednesday, 4. November 2026

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: Legislation and Emission Strategies](#)
[Chairman: Dr.-Ing. G. Hühwohl, Albonair GmbH, D](#)

09:30 **An up-to-date assessment of the future of the internal combustion engine**
Prof. Dr. sc. techn. Thomas Koch, Karlsruher Institut für Technologie (KIT), D

10:15 **Drive Concepts for the Working Machines of Tomorrow: Will There Be a One-Size-Fits-All Solution?**
François Jaussi, tecmot F. Jaussi, CH

11:00 *Coffee break*

[Session II: Innovative exhaust aftertreatment solutions](#)
[Chairman: Dr.-Ing. G. Hühwohl, Albonair GmbH, D](#)

11:30 **A systematic path to the solution: TCD 15.6 aftertreatment concept for future-proof engine portfolios**
Sebastian Heinecke, A. Troeger, A. Qriqra, S. Burk, DEUTZ AG,D

12:00 **Development of a new Vanadat SCR catalyst – From laboratory to railroad**
Dr. Matthias Geist, Dr. M. Klünker, Dr. J. Spengler, Dr. O. Sonntag, Interkat Catalyst GmbH, D; Prof. W. Müller, TU Kaiserslautern, D; Dr. A. Wegmann, Michael Walter, J. M. Voith SE & Co. KG, D

12:30 **Catalytic challenges: exhaust gas aftertreatment for methanol dual fuel engines**
Dr. Daniel Peitz, Dr.-Ing. E. Eßer, Hug Engineering AG, CH

13:00 *Lunch*

[Session III: Research and development contributions](#)
[Chairman: K. Schrewe, HJS Emission Technology GmbH & Co. KG, D](#)

14:00 **Simulation toolchain and PSO optimization for Preliminary SCR sizing for tier5**
Matteo Pietro Longo, Liebherr Machines Bulle SA, CH

PROGRAM

14:30 **Development of a highly efficient exhaust aftertreatment system for new methanol engines**
Oleksandra Kliuieva, Dr.-Ing. R. Werner, Prof. Dr.-Ing. F. Atzler, TU Dresden, D

15:00 **Burner based accelerated aging for emissions durability demonstration for DAAAC and other cycles**
Kingsley Reavell, R. Mulholland, M. Rushton, Cambustion Ltd., GB

15:30 **Advanced DeNOx System Layouts for HD On- and Off-Highway Applications - An Enabler for Improved Real-World Fuel Efficiency**
Thomas Körfer, S. Pudlik, L. Virnich, J. Klütsch, E. Brückner, P. Recker, S. Pudlik, FEV Group GmbH, D

16:00 *Coffee break*

[Session IV: Exhaust aftertreatment for stationary systems](#)
[Chairman: K. Schrewe, HJS Emission Technology GmbH & Co. KG, D](#)

16:30 **When the power goes out: Energy security as a new challenge for companies**
Ralph Michelsen, FRERK Aggregatebau GmbH, D

17:00 **Diesel Generator Backup Systems in Data Centers: Requirements and Engineering Solutions for Mitigating Noise and Exhaust Emissions**
Matthias Hanschke, L. Pinauda, Ch. Schöppner, MIRATECH GmbH, D

Thursday, 5. November 2026

[Sessoins V: Exhaust aftertreatment for alternative fuels](#)
[Chairman: Sebastian Heinecke, Deutz AG, D](#)

9:00 **Requirements, Challenges and Limitations of Exhaust Aftertreatment Concepts for Ammonia Engines Enabling Ultra-Low Emissions**
Dr. Ramin Mehrabian, P. Ranacher, A. Nyongesa, Dr. M. Malin, Univ. Prof. Dr.-Ing. N. Wermuth, LEC GmbH, A

9:30 **Conversion behavior of SCR catalysts in the exhaust gas of Ammonia-Fueled Engines**
M.Sc. Frithjof Bauer, Prof. Dr.-Ing. B. Buchholz, U. Etzien, Dr. D. Krnac, M. Schenker, Universität Rostock/ LKV; D

10:00 **Impact of Carbon-Neutral Fuels on Exhaust Gas Composition and Emission Measurement**
Dr. Simone Eichmann, T. Bodsch, HORIBA Europe GmbH, D

10:30 *Coffee break*

PROGRAM

[Session VI: Energy basis for future mobility](#)
[Chairman: Sebastian Heinecke, Deutz AG, D](#)

11:00 **Overall Energy Situation in Germany, Status 2026 Conclusions for the Transition of Energy and Transport Systems**
Prof. Dr. Frank Atzler, Dr. T. Roß, Dr. R. Werner, TU Dresden, D

11:30 **Rethinking Powertrains – Perspectives of Mobility**
Prof. Dr. Thomas Garbe, K. Michels, A. Schmidt, M. Schüttenhelm, Volkswagen AG, D

12:00 **Renewable energy carriers as enabler for sustainable mobility**
Dr. Kati Görsch, J. Schröder, Dr. F. Müller-Langer, DBFZ gGmbH, D

12:30 *Lunch*

[Session VII: New technologies and emissions legislation](#)
[Chairman: Dr. S. Schraml, TRATON R&D Germany GmbH, D](#)

14:00 **From Regulatory Complexity to Market Launch: AI-Driven Homologation of New Powertrains**
Dr. Hai Van Le Jorks, Osos AI GmbH, D

14:30 **Starting Euro 7 - Euro 7 LDV type approval starts on 29.11.2026**
Helge Schmidt, TÜV Nord Mobilität GmbH & Co. KG/ IFM, D

15:00 *Coffee break*

[Session VIII: Exhaust aftertreatment for hydrogen and hydrogen derivatives](#)
[Chairman: Dr. S. Schraml, TRATON R&D Germany GmbH, D](#)

15:30 **Interaction of efficient H2 combustion und low-temperature H2-deNOx catalysis in lean-burn H2 engines**
Prof. Dr. Sven Kureti, Dr. V. Patel, TU Bergakademie Freiberg, D Prof. Dr. Thomas Koch, , T. Lanzer, Dr. H. Kubach, KIT, D

16:00 **Hydrogen and Hydrogen Derivatives for Future Mobility**
Prof. Dr.-Ing. Hans-Peter Rabl, OTH Regensburg, D

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