



Heavy-Duty, On- and Off-Highway Engines 2024

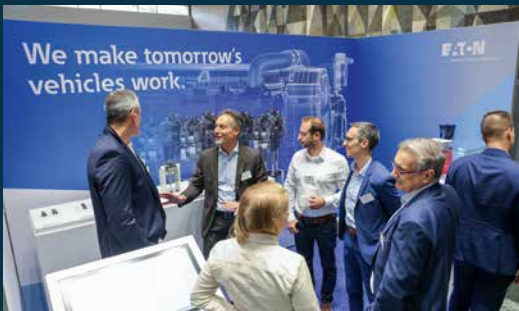
Shaping the future of heavy-duty engines

12 – 13 November 2024
Eisenach, Germany

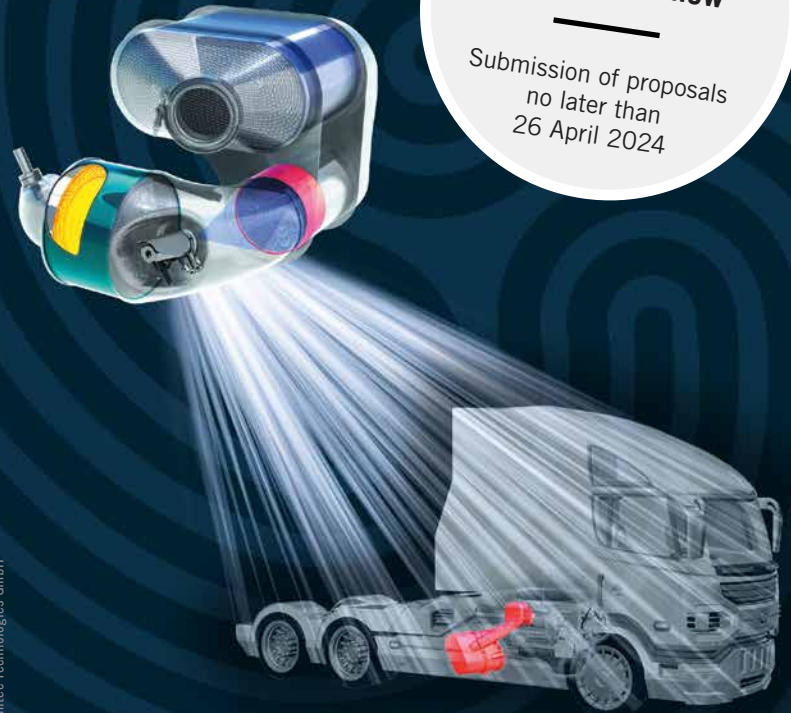
Call for Papers
Apply online now

Submission of proposals
no later than
26 April 2024

Impressions



© Emitec Technologies GmbH



HIGHLIGHT

Tour of the Bell Equipment (Deutschland) GmbH
and Emitec Technologies GmbH plants

KST.

Shaping the future of heavy-duty engines

/ SUSTAINABILITY

Exhaust aftertreatment, alternative fuels, circular economy, resources, and recycling

/ DRIVE SYSTEMS

Fuel cells, battery-electric drive systems, hybrid drive systems, internal combustion engines

/ LEGISLATION

Emissions standards, reducing CO₂ emissions

SCIENTIFIC DIRECTOR

Prof. Dr. Peter Eilts

Technical University of Braunschweig



Dr. Alexander Heintzel

Editor-in-Chief
ATZ | MTZ Group,
Springer Nature

Welcome

The heavy-duty segment is highly dependent on sustainable energy converters. However, the variety of different uses is significantly greater than for private transportation, as it includes on- and off-road applications, aviation, and shipping – and each application must be cost-effective. This also means that there is a large bandwidth of technical solutions that are necessary. For long-haul and off-highway applications, there is currently no real alternative to internal combustion engines. The big challenge is how to make these viable for the future.

At this MTZ conference, engine developers and designers of commercial vehicles, mobile machines, and marine and stationary equipment will provide information on the very latest developments. The 19th conference will be supplemented by a tour of the Bell Equipment (Deutschland) GmbH and Emitec Technologies GmbH plants.

On behalf of the Scientific Advisory Board, I cordially invite you to present the latest research and development results of your company/institute. Details for your presentation submission can be found in this Call for Papers. We are looking forward to your participation.

For the Scientific Advisory Board

Stay at the cutting edge!

- ✓ Highly relevant technical papers presented by renowned speakers
- ✓ Networking in the international expert community
- ✓ Innovative products and services

Heavy-Duty, On- and Off-Highway Engines

Manufacturers of heavy-duty engines and related components face mounting pressures: they are expected to meet rising demands for engine output, while also reducing fuel consumption, emissions and assembly space.

New concepts for engines, emissions reduction and drivetrain optimization are called for in order to overcome these challenges. Combining presentations, in-depth discussions and networking possibilities, the international MTZ Conference “Heavy-Duty, On- and Off-Highway Engines” offers you the ideal platform.



Participants

The MTZ Conference “Heavy-Duty, On- and Off-Highway Engines” is aimed worldwide at experts from engine and vehicle manufacturers in the fields of commercial vehicles, off-highway and marine applications, stationary engines, suppliers and development partners, teaching staff and research assistants from universities, representatives of authorities and associations and engineers active in these fields.

Media partners



Scientific Advisory Board

Our Scientific Advisory Board, which is made up of prominent figures from the relevant field, provides support during the planning phase of the conference and helps to identify suitable topics.

With its expertise the board will make a valuable contribution to the choice of themes for the lecture program.



Prof. Dr. Peter Eilts
Technical University
of Braunschweig

Scientific Director of the Conference

Detlev Baudach
Tenneco GmbH

David Bennet
Ricardo plc

Rolf Brück
Emitec Technologies GmbH

Prof. Dr. Bert Buchholz
University of Rostock

Dr. Heiner Bülte
DEUTZ AG

Bernd Dankert
ICCL – Integrated Consulting
Company GmbH

Dr. Volker Gross
Liebherr-Components Colmar SAS

Dr. Alexander Heintzel
Editor-in-Chief ATZ | MTZ Group,
Springer Nature

Dr. Michael Krüger
Robert Bosch GmbH

Werner Kübler
MAN Truck & Bus SE

Dr. Andreas Lingens
Woodward L'Orange GmbH

Börge Nielsen
Daimler Truck AG

Prof. Dr. Gerhard Reiff
KST-Motorenversuch GmbH & Co. KG

Dr. Hans-Josef Schiffgens

Dr. Heike Többen
Purem GmbH

Martin Urban
Rolls-Royce Solutions GmbH

Dr. Ioannis Vlaskos
Winterthur Gas & Diesel Ltd.

Dr. Wolfgang Warnecke
Shell Deutschland GmbH

Dr. Marco Warth
MAHLE GmbH

Internal Combustion Engine Technologies for Alternative Fuels

- Hydrogen
- Ammonia
- E-fuels

Alternative Drive Systems

- Fuel cells
- Electrified drive systems
- Supply and charging infrastructure

Emissions Reduction

- Legislation
- In-cylinder concepts
- Exhaust aftertreatment

New Internal Combustion Engines for Heavy-Duty Applications

- Development trends
- New engines and components
- Heavy-duty engines

Combustion Processes, Fuel and Air Systems

- Fuel injection and gas injection systems
- Mixture formation and combustion
- Supercharging

Engine and System Optimization

- Mechanical optimization, friction reduction
- Engine management
- Measuring technology, simulation, development methods

Your presentation platform

Take this opportunity to present your latest products and services to the specialist audience: as an exhibitor in our exclusive exhibition and/or as a sponsor with an attractive advertising presentation. Make use of this industry meeting place to make valuable contacts with customers!

For information on the various presentation options, please contact:

Mr. Alex Woidich
Phone +49 611 7878-206
alex.woidich@springernature.com

Further information and online submission of your proposal:



www.atzlive.de/en/heavyduty

Heavy-Duty, On- and Off-Highway Engines 2024
12 – 13 November 2024, Eisenach, Germany

**Submission of
proposals
no later than
26 April 2024**

Are you interested in presenting a paper on one of these subjects?

If so, please submit a short version of your paper via the online portal to the event page indicated.

Your submission proposal in English (please submit documents in PDF) should contain:

- The title of the paper
- The name of the speaker with job title, company address, telephone number and e-mail address
- The name of any co-authors with company address
- The main points and a brief summary of the paper's contents (abstract)
- Brief summary of the innovative value of the work
- Classification under one of the main subject areas

On the basis of the short version of the paper, the Scientific Advisory Board for the conference will decide on its acceptance.

Information on the conference

The time allowed for presentation is 20–25 minutes with a subsequent discussion. The registration fee will be waived for one speaker per paper presented. The language of the manuscripts and slides is English.

Schedule

Deadline for submission proposals: **26 April 2024**

Notification of the authors: **June 2024**

Submission of final manuscripts: **11 October 2024**

The final conference program will be published in August 2024.