

Invitation and Programme

11th Commercial Vehicle Workshop Graz

07th - 08th May 2026

Commercial Vehicle Concepts | Emissions (Non-Exhaust: Tires and Brakes, CO₂ Reduction | Driver Assistance and Automation | CAE Methods in Commercial Vehicle Development | Alternative Drive Concepts (Electrification, H₂) | Digital Twin and Software-Defined Trucks



Including: Focus Seminar "AI and Digital Engineering Methods"

Preface:

The Institute of Automotive Engineering (FTG) at Graz University of Technology organises the 11th Commercial Vehicle Workshop this year. As already established during the 10th Workshop, the conference will in English and offers the opportunity for peer reviewed scientific papers. The Focus Seminar on Thursday is an integral part of the workshop and allows to take a deep-dive into selected topics.

The 11th anniversary demonstrates more than 20 years tradition of the work-shop and shows technological trends and development history of commercial vehicles. Freight transport by road has increased by a factor of around 1.6 during this period in Central Europe. Although commercial vehicles are purely cost-driven means of transportation, amazing developments have taken place during this time, for example in driver assistance systems, cabin comfort, pollution reduction and alternative drive systems.

This year, the Focus Seminar highlights AI-driven development methods. After two keynote speeches that introduce the topic of AI-driven development, we will listen to several contributions on practical applications of AI methods in development tool chains, as well as battery and powertrain development.

The Scientific Committee undertook an exceptional effort this year, as we received a record number of submissions, reflected in the program of the second day. The selected topics highlight what is engaging the community right now and where significant developments are taking place. CAE and Simulation Methods form strong sessions, as do work on Non-Exhaust Emissions. Complementing these core themes, the conference also explores vehicle architecture concepts and alternative powertrain concepts.

Finally, we would like to invite you to an evening reception at Puch Museum Graz on behalf of the Mayor, an interesting program for accompanying persons and a visit to laboratories. We are especially proud to present the brand new moving based high fidelity driving simulator operated in cooperation with MAGNA.

Scientific Committee:

Assoc. Prof. Dr. Cornelia Lex

Prof. Dr. Wolfgang Hirschberg

Organizing committee:

Assoc. Prof. Dr. Arno Eichberger

Assoc. Prof. Dr. Mario Hirz



Programme Committee:

- Dipl.-Ing. Martin Ackerl, *Daimler Truck AG, Stuttgart*
- Dr.-Ing. Alexander Buß, *TRATON R&D Germany GmbH*
- Dipl.-Ing. Klaus-D. Diepold, *Magirus GmbH, Ulm*
- Dr.-Ing. Rolf Döbereiner, *AVL LIST GmbH, Graz*
- Prof. Dr. Stefan Hausberger, *Institute of Thermodynamics and Sustainable Propulsion Systems, TU Graz*
- Prof. Dr. Wolfgang Hirschberg, *Inst. of Automotive Engineering, TU Graz (Chair)*
- Dr.techn. Dipl.-Ing. Antonius Kies, *SCANIA AB*
- Assoc. Prof. Dr. Cornelia Lex, *Inst. of Automotive Engineering, TU Graz (Chair)*
- Dipl.-Ing. Martin Moser, *Engineering Center Steyr GmbH & Co KG*
- Dipl.-Ing. Gregor Schwarz, *Rosenbauer International AG, Leonding*

Head of Scientific Committee

Assoc. Prof. Dr. Cornelia Lex
Prof. Dr. Wolfgang Hirschberg

Chair "Focus Seminar"

Dipl.-Ing. Dr.techn. Martin Hofstetter

Organisation

Mrs. Adisa Moric and Mrs. Petra Bressnig
Institute of Automotive Engineering, TU Graz
Inffeldgasse 11, OG II, 8010 Graz, Austria
Phone: +43 / 316 873-35201
E-Mail: office.ftg@tugraz.at

General Information:

Focus Seminar Graz, 07th May 2026

LOCATION

Graz University of Technology,
Old Campus
Rechbauerstraße 12,
8010 Graz, Lecture Hall I

CONFERENCE FEE

The conference fee including "Get together",
workshop documentation, lunch, coffee breaks

Regular fee	€ 640,00
for university members	€ 320,00
for students	€ 65,00

Commercial Vehicle Workshop Graz, 08th May 2026

LOCATION

Graz University of Technology,
Old Campus
Rechbauerstraße 12,
8010 Graz, Lecture Hall I

REGISTRATION

Please use the link [ftg.tugraz.at/veranstaltungen/nfz-workshop](https://www.tugraz.at/veranstaltungen/nfz-workshop) for registration.
Alternatively, also the enclosed registration form can be used until April 30th 2026 latest.

CANCELLATION

A refund of in-paid fee is not possible after April 30th, 2026.

ARRIVE & INFORMATION ABOUT ACCOMMODATION.

Information about Graz and a hotel guide are provided on the following web pages:

https://www.graztourismus.at/kongress/de/kongresskalender/10.grazer-nutzfahrzeugworkshop_ccd_8464

Responsible for the hotel reservation at Graz tourism is Mr. David Pösinger.

Tel.: +43/ 316 8075-47

Email: david.poesinger@graztourismus.at

From the airport Graz Thalerhof all hotels are well reachable by taxi.

Focus Seminar: AI and Digital Engineering Methods

Thursday 07th May 2026

12:30 Registration

13:20 Welcome

Arno EICHBERGER & Wolfgang HIRSCHBERG
Institute of Automotive Engineering, Graz University of Technology

13:25 Introduction to the Focus Seminar

Martin HOFSTETTER, Chair of the Focus Seminar
Institute of Automotive Engineering, Graz University of Technology

Introduction to AI Methods in Engineering Applications

13:30 Keynote: AI Methods in Engineering: Introduction, Overview and Latest Developments

Andreas WINDISCH
Chief Science Officer, AI Austria
Head of Computer Vision & AI, JOANNEUM RESEARCH

14:15 Keynote: AI Methods and Models in Vehicle Development

Axel STURM
Head of Department Innovative Vehicle Technologies, Institute of Automotive Engineering,
TU Braunschweig

15:00 Coffee break

Industry Applications of AI and Digitalization in Vehicle Development

15:30 MBD 2.0: A Harmonised Model-Based Development Toolchain for Cross-Brand Efficiency in the TRATON Group

Daniel SCHOLZ, Demin NALIC
Traton R&D Germany GmbH, The MathWorks GmbH

16:00 Automated Battery Concept Development and Packaging in Commercial Vehicles

Klemens TÄUBER, Andreas VIEHMANN
EDAG Engineering Austria GmbH

16:30 AI-Powered Development of Electric Powertrains for Commercial Vehicles

Martin HOFSTETTER, Dominik LECHLEITNER
Institute of Automotive Engineering, Graz University of Technology

17:00 Closing Remarks Focus Seminar

Martin HOFSTETTER, Chair of the Focus Seminar
Institute of Automotive Engineering, Graz University of Technology

Cordial Welcome on 7th of May 2026:

17:30 Visit to FTG and Labs
Inffeldgasse 11, 8010 Graz



Source: Lunghammer TU Graz

20:00 „Get Together“
Evening Reception and Dinner at the „Puch-Museum“
Puchstrasse 85, 8020 Graz



Source: Puch Museum Graz



Source: TU Graz

Programme Commercial Vehicle Workshop Graz:

Friday, 08th May 2026

08:00 Registration

Vehicle Architecture Concepts

08:30 Optimised Vehicle Architecture for Long-Haul BEVs

Antonius KIES,
Scania AB

09:00 Why China is successful in Zero Emission Vehicle Commercial Adoption

Thomas GRIMM,
Schaeffler Technologies

09:30 Coffee Break

CAE and Simulation Methods I

10:00 Real-Time Co-Simulation of Semi-Trailer with Multibody Dynamics and Electric Powertrain

Eero IKÄHEIMO, Qasim KHADIM, Emil KURVINEN,
University of Oulu

10:30 A Data-Driven Lane-Change Decision and Planning Framework for Commercial Vehicles in Highway Scenarios

Zhengze ZHU (*Hubei University*), Ranfei XIA (*Dongfeng Commercial Vehicle*)

CAE and Simulation Methods II

11:00 Virtual Durability Loads for Commercial Vehicles in Concept Phase

Oliver GRIESHOFER, Otmar GATTRINGER,
Engineering Center Steyr GmbH, Magna Powertrain

11:30 Wind-Resistant Test and Validation Pipeline for Commercial Vehicle Development

Christoph FEICHTINGER,
Windpuls

12:00 Lunch

Alternative Powertrain & Propulsion Concepts

13:00 Advancing Virtual Design of Heavy-Duty Vehicles with HT-PEM Fuel Cells

Ivo PRAH, Anton NAHTIGAL, Jaka BEZJAK, Marijo TELENTA, Rok KERZIC, Reinhard TATSCHL, AVL

13:30 New Challenges for Tires on Battery Electric Trucks

Frédéric DOMPROBST,
Michelin Research Center

14:00 Coffee Break

Non-Exhaust Emissions

14:30 Heavy Duty Vehicle Brakes Particle Emissions

Lukas EBERHARD, Stefan HAUSBERGER, Martin REXEIS, Lukas LANDL, Emre Enis KETAN,
TU Graz

15:00 Brake Emission Tests for Commercial Vehicles: Insights into Euro 7 Development at AVL and TMD Friction

Bernhard RASER (*AVL*), Bernd ROHRBERG (*TMD Friction*),
Harald MAYERHOFER (*AVL*), Andreas RAINER, Christof DANNER (*AVL*)

15:30 Technical Solutions for Reducing Non-Exhaust Emissions from Heavy Duty Trucks

Lars HEBER,
Daimler Truck AG

16:00 Closing Remarks

Arno EICHBERGER & Wolfgang HIRSCHBERG
Institute of Automotive Engineering, Graz University of Technology

Get Together for Closing the Day



As the second largest Austrian city, Graz is at the same time a trade fair, conference, university and garden city. About 350.000 inhabitants, over 60.000 students at three universities and numerous studies at the universities of applied sciences create a lot of movement. Graz, the gate to the southeast, proves this as an economic, technological and scientific center, as a renowned „know-how-pool" and of course as the European Cultural Capital 2003. At the intersection of European cultures, the Styrian capital is aware of its cultural responsibility, trusts in its strengths and realizes its visions.

Contemporary architecture finds its place next to the noteworthy literature; a free theatre scene next to galleries and museums, Nobel Prize winning intellect next to colourful festivals; prominence next to everyday culture.

Graz's bar scene is worth the trip. Lively and charming, it invites one of epicurean enjoyments, stroll and flirting; full of ideas, it convinces one with its food and ambience. Street cafes, bars, beer gardens, wine bars and jazz clubs reveal themselves to be open-minded and simply let the night end at the first sign of daybreak. To sum up: Graz has the culture of a metropolis, the charm of a well kept inside tip and the flair of the Mediterranean flavor of life.



Information:
GRAZ Tourismus GmbH,
Herrengasse 16, 8010 Graz
Phone: +43 / 316 8075-0
E-Mail: info@graztourismus.at

Fax: + 43 / 316 8075-15
Internet: www.graztourismus.at



Director: Prof. **Lex** (2025/01-06), Prof. **Hirz** (2025/07-12), Prof. **Eichberger** (2026/01-06)

Automotive Mechatronics

Assoc.Prof. Hirz

Transport Innovations and
Environment
Hirz

E-Mobility and Alternative
Drivetrains
Hofstetter

Automotive Mechatronics
Product Development
Kreis

Experimental Research
Sensors, Batteries,
Robotics

Assisted and Automated Driving

Assoc.Prof. Eichberger

Vehicle Verification and
Validation
Mihaj

Human Machine Interaction
Eichberger

Experimental Research
On-road Testing and
Driving Simulation

Vehicle Dynamics and Tires

Assoc.Prof. Lex

Tire Modeling, Testing
and Particle Emissions
Lex

Vehicle State and Para-
meter Estimation
Lex

Experimental Research
Objective Vehicle
Dynamics & Tire Testing

Structural Design

Prof. Fischer

Structural Simulation,
Noise & Vibration
Fischer

Brakes and Brake Particle
Emissions
Fischer

Experimental Research
E-Drive Systems and
Brakes

General Laboratory

Measurement Equipment, Workshop, Test Vehicles, Prototypes, Suspension- and Brake Testbench

Magosi

Institute of Automotive Engineering

Inffeldgasse 11, OG II

8010 Graz, Austria

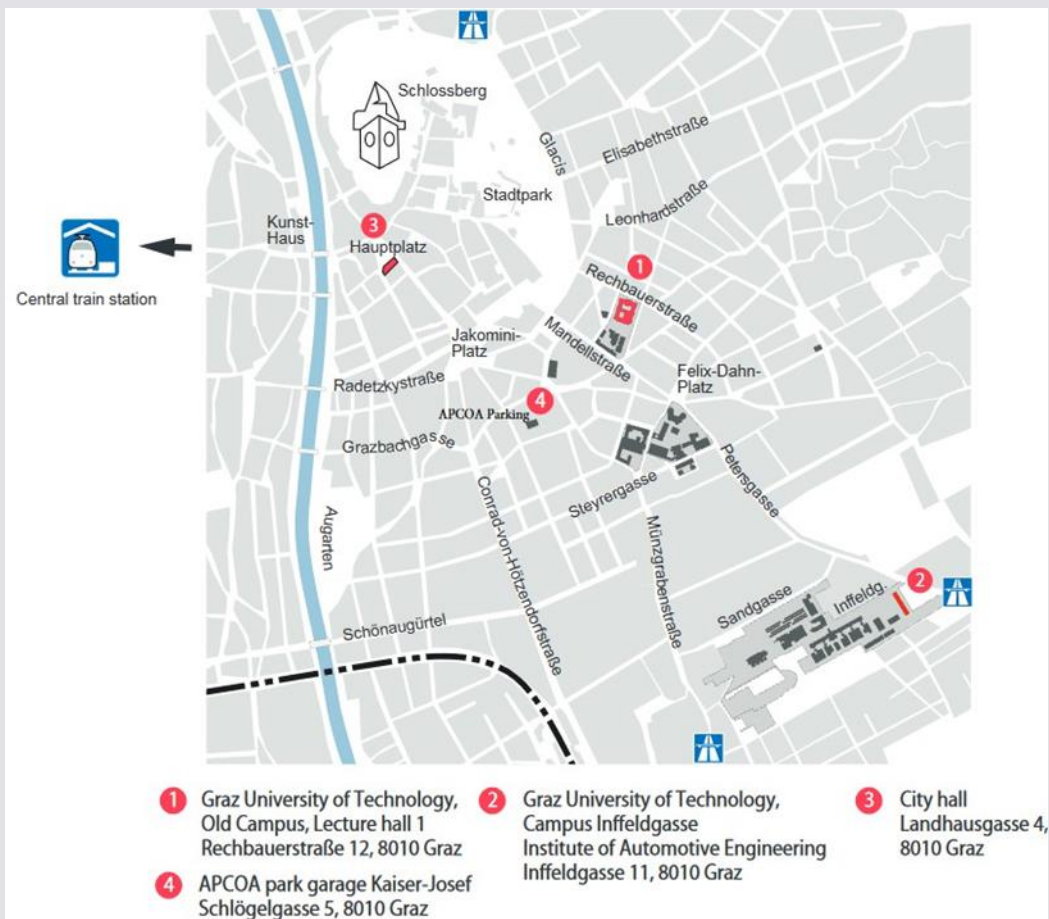
E-Mail: office.ftg@tugraz.at

Phone: +43 / 316 873 35201

Internet: www.ftg.tugraz.at

FTG

City map of Graz:



For Information: Reserved free parking places are available for the participants

FTG



INSTITUTE OF AUTOMOTIVE ENGINEERING

Inffeldgasse 11/II
8010 Graz
Austria

phone: +43 / 316 873 35201

web: www.ftg.tugraz.at
email: office.ftg@tugraz.at



...more partners to come...