



Vehicles of Tomorrow 2021

New Mobility Concepts
and Sustainable Materials

04 – 05 May 2021

Hanau near Frankfurt am Main, Germany

Impressions of 2019



Call for Papers
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Submission of proposals
no later than
22 September 2020



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SCIENTIFIC DIRECTOR OF THE CONFERENCE

Prof. Dr. Lutz Eckstein,
Institute for Automotive Engineering
RWTH Aachen University, Germany

New Mobility Concepts and Sustainable Materials

**/ USER EXPERIENCE AND
BUSINESS MODELS**

**/ NEW VEHICLE AND INTERIOR
CONCEPTS**

**/ SUSTAINABLE MATERIALS AND
MANUFACTURING PROCESSES**



Prof. Dr. Lutz Eckstein
Institute for Automotive Engineering
RWTH Aachen University, Germany

Welcome

Climate change and COVID-19 have changed public awareness and induced new trends. Mobility as a requirement for participation in social life must be rethought conceptually and commercially. Developers must also take a much stronger perspective than before on the cities and their populations and consider how sustainable mobility could be designed through the interplay of attractive modules.

Three objectives must be balanced: increasing road safety, improving performance and a new quality of sustainability that encompasses ecological, economic and social aspects in equal measure.

Attractive solutions must be created for each relevant mobility purpose. From the perspective of the user groups, these can be quite different, which requires a variety of mobility modules. Attractiveness is not only determined by functionality; costs also play an important role. Last but not least, good design will continue to generate desirability in the future.

We look forward to the dialogue with you!

For the Scientific Advisory Board

Stay at the cutting edge!

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VEHICLES OF TOMORROW 2021

2nd International ATZ Conference,
hosted by ATZlive and fka

Vehicles of Tomorrow 2021

Concepts for future mobility solutions must be designed and developed from the perspective of users, cities and target-oriented business models in order to be successful.

Road safety and performance are as much a focus of attention as ecological, economic and social sustainability.

As an information and communication platform, the international congress "Vehicles of Tomorrow", jointly organised by ATZlive and fka, is dedicated to all aspects of mobility change.



Participants

This conference is aimed at all those involved in finding solutions in the process chain of vehicle development and who deal with the topics of design, development, materials, and production. It is a key meeting place for decisionmakers, materials and development engineers, technicians, plant managers for car and commercial vehicle manufacturers, suppliers, machine manufacturers, and engineering service providers, as well as universities and associations.

Media partners

adhäsion **ATZ** **ATZ** produktion **INTERCERAM** **JOT** **KERAMISCHE**
ZEITSCHRIFT

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. Lutz Eckstein
Institute for Automotive Engineering
RWTH Aachen University, Germany

Scientific Director of the Conference

Dr. Nico Depner
fka GmbH

David Gagliardi
Pininfarina Deutschland GmbH

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

Jörg Hölzig
EDAG Engineering GmbH

Dr. Hubert Pelc
Head of Specialist Media Materials I
Energies, Springer Nature

Mobility experience and business models

- User- centered mobility for different needs
- Urban versus rural mobility
- Roles and providers of future mobility
- Technical-economic evaluation

New vehicle and interior concepts

- Vehicle concepts from two-wheelers to commercial vehicles (e.g. scooters, e-bikes, bio-hybrids, people movers, delivery vehicles)
- Innovative design and interaction concepts
- Interior concepts for automated driving
- Disruptive chassis, body and drive concepts

Sustainable materials and manufacturing processes

- Use of sustainable materials (metals, plastics, ceramics, textiles, natural materials etc.)
- Energy and material efficiency in manufacturing
- Process efficient bonding and joining methods
- Recycling and material loop
- Life cycle assessment

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Further information and online submission of your proposal:

www.atzlive.com/vehicles

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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 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 (please submit documents in PDF)
- 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: **22 September 2020**

Notification of the authors: **Mid December 2020**

Submission of final manuscripts: **15 March 2021**

The final conference program will be published in January 2021.