Automated Driving 2024

Engineering Level X

19 – 20 March 2024
Frankfurt am Main, Germany

Call for Papers
Apply online now

Submission of proposals no later than 7 September 2023

Prof. Dr. Prof. h.c. Dr. h.c. Torsten Bertram
TU Dortmund
Welcome

The ADAS systems that are already available are being continuously further developed to provide sustainable support for users. The key challenges are how to increase road safety, improve availability, and achieve acceptance of the systems in the market. One way of doing this is to apply these systems in limited areas such as freight yards or airports. For this purpose, areas such as sensor function, environment modeling, situation prediction, trajectory planning, and decision-making on the one hand and computer technology and V2X communication on the other must be optimized with support from AI in order to develop the necessary system-of-system architectures. At the same time, an international perspective is required because very different national regulations currently exist.

For the 9th International ATZ Conference “Automated Driving”, we would like to ask you to submit a paper on innovative developments and new business models.

We look forward to your proposals and your ideas.

On behalf of the Scientific Advisory Board

Stay at the cutting edge!

✔ Highly relevant technical papers presented by renowned speakers
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Automated Driving

In order to be successful, concepts for future mobility solutions need to be developed from the perspective of user groups, urban and rural regions, and targeted business models. The focus must be on road safety and efficient performance, as well as on ecological, economic, and social aspects. In addition, automated driving functions will sustainably support users.

As an information and communication platform, the International Conference “Automated Driving” is dedicated to the key aspects of the mobility transformation.

Participants

A conference for decision-makers and experts who
- shape and develop automated driving
- are involved in the cross-cutting topic of V2X
- develop software, algorithms, DevOps, and tools
- are involved in the development of new vehicle and interior concepts at car and commercial vehicle manufacturers, suppliers, and engineering service providers as well as in research and education and at consulting companies and organizations.

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. Prof. h.c. Dr. h.c. Torsten Bertram
TU Dortmund
Scientific Director of the Conference

Jan Ackermann
IAV GmbH

Maria Anhalt
Elektrobit Automotive GmbH

Andrea Conti
AVL List GmbH

Dr. Thomas Dieckmann
ZF Group

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Dr. Andreas Teuner
ZF Group
Technology stack: ADAS/AD
Sensor and actuator technology I Fusion I Virtual driver I Driving functions I Environment model and localization

Technology stack: standardization
Standards (national and international) I Development tools

System of systems: software and hardware
SDV I E/E architecture I ODD scenarios

System of systems: systems engineering
HMI/UI I AI I OTA I V2X I HD cards I Roadside units

System of systems: safety + security
Source security I Confidentiality I Reliability

Processes and development methodology
Virtualization I Programming models I Tools I CI/CD/CT I Simulation

Users and customers
HMI I Design I Acceptance and trust I Safety and security

Supervision
Lifelong homologation I Laws/legislation I Maintenance/vehicle safety inspection I Technical supervision I Control center I Safety and security

Data and business models
Regulations I National and international legislation

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:

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Further information and online submission of your proposal:

www.atzlive.de/en/audri

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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 (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: 7 September 2023
Notification of the authors: Mid-October 2023
Submission of final manuscripts: 7 February 2024
The final conference program will be published in December 2023.