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Automotive Acoustics Conference 2025

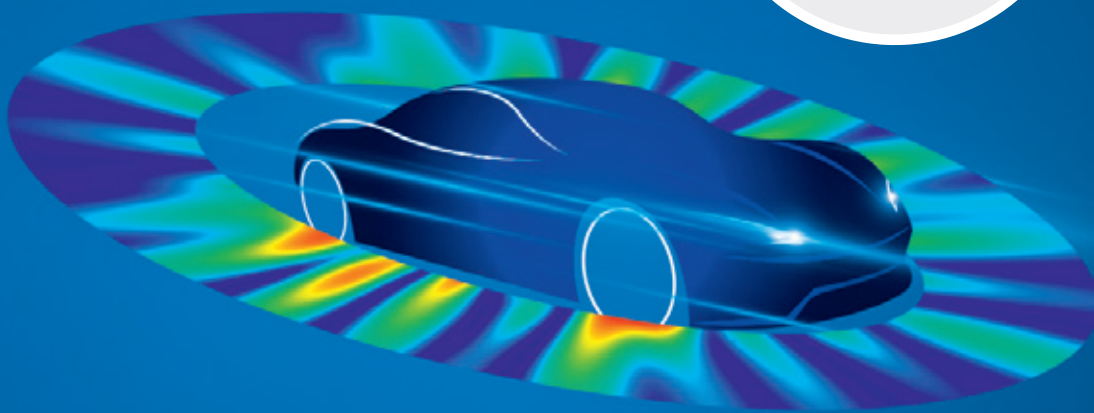
Smart practices in sustainable noise control

8 – 9 July 2025
Constance | Germany
or virtually via live stream

Call for Papers
Apply online now

Submission of proposals
no later than
13 December 2024

Impressions



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SCIENTIFIC DIRECTOR

Dr. Davide Caprioli
Autoneum Management AG

autoneum

Smart practices in sustainable noise control

NVH OF ELECTRIFIED VEHICLES
Acoustic Vehicle Alerting System,
virtual artificial models, and active sound design

LIGHTWEIGHT MATERIALS
Metamaterials and sustainability

SIMULATION AND PREDICTION OF ACOUSTIC PHENOMENA
Vehicle exterior and interior noise

IN FOCUS

Data-based modeling of the NVH of passenger cars and commercial vehicles

Dr. Davide Caprioli
Head of Acoustic and Thermal Management – Research & Technology, Autoneum Management AG

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

Welcome

As the automotive industry continues to shift its focus to more environmentally responsible and electrified mobility, the acoustic management and design of vehicles must adapt accordingly. A successful navigation of this new acoustic landscape requires sustainable and smart noise control solutions that enhance NVH performance while minimizing environmental impact.

The biennial Automotive Acoustics Conference has long been the premier international forum for exploring the evolving challenges and opportunities in vehicle acoustics. For our 2025 edition, we are pleased to welcome our expert community for the first time to the state-of-the-art Bodenseeforum in Constance, Germany. To further increase accessibility and global dialogue, we will continue to offer a hybrid conference format, enabling participants to join either in person or virtually.

The comprehensive program will be complemented by interactive workshops and an extensive exhibition, showcasing the latest developments in the economic and scientific field.

We would like to invite you to submit your proposals for a presentation at the 2025 Automotive Acoustics Conference and join us as we explore new practices in sustainable noise control. We are looking forward to your insights on innovative, eco-friendly, and smart ways to shape the future of automotive acoustics.

On behalf of 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

Automotive Acoustics Conference

The international Automotive Acoustics Conference is a biennial global forum for the exchange of information and networking among engineers engaged in further improving the NVH characteristics of passenger cars and commercial vehicles. The principal themes of the conference explore the technological innovations as well as the market and regulatory demands that are driving the state of the art in the automotive industry.

Furthermore, the conference caters to the needs of researchers and developers alike by addressing growing expectations with regard to vehicle performance and sustainability. It also touches upon the particular challenge that developments in one area of the car often also affect its acoustic characteristics – especially as perceived by the end user.

Participants

The Automotive Acoustics Conference is aimed at professionals working in acoustics and NVH at OEMs, component and systems suppliers, engineering consultancy partners, and experts conducting research at academic institutions. They are active in different, but complementary, parts of the process chain, such as development, design, material and component characterization/validation, calculation and simulation, testing, and production.

Media partners

ATZ MTZ

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.

Dr. Davide Caprioli
Autoneum Management AG

Scientific Director of the Conference

Prof. Dr. Paolo Ermanni
formlery ETH Zurich

Patron of the Conference

Thomas Antoine
Renault S.A.

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Autoneum Management AG

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Stellantis

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Vibracoustic SE & Co. KG

Johan Stenson
Volvo Car Corporation

Dr. Makram Zebian
Continental Reifen Deutschland GmbH

Vehicle and powertrain NVH
Interior and exterior noise of passenger cars and commercial vehicles | Body, chassis, suspension, powertrain dynamics | Engine / powertrain NVH (ICE, HEV, BEV) | Tire noise | HVAC system noise | Ancillary noise | Wind noise / aeroacoustics | xEV NVH design strategies | Sound design / sound quality | Autonomous vehicle NVH requirements

Passive and active systems for vehicle NVH design
Sustainable and lightweight NVH solutions | Materials and packages for sound absorption, sound insulation, vibration damping | Metamaterials | Multifunctional materials / components | Active noise and vibration systems | Sound package design

CAE / test methods and best practices
CAE deterministic and statistical methods | Airborne / structure-borne noise simulation | Virtual prototyping | FEM / BEM analysis | NVH measurement techniques | Sensors and test rigs | Powertrain / vehicle NVH testing | Aero-acoustics testing | Sound source identification | Transfer path analysis | Modal analysis | Hybrid methods – experiment and simulation integration | Best practices in NVH engineering

Advanced analytics
Machine learning and AI in NVH | Big data analysis and data handling | Predictive modeling and optimization | Neural networks for NVH | Pattern recognition in acoustics | Real-time data processing and analysis

Regulations and external factors
Legislation and directives | Noise abatement regulations | Environmental impact considerations

Your presentation platform

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For information on the various presentation options, please contact:

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

Further information and online submission of your proposal:

www.atzlive.com/acoustics

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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 proposal submission: **13 December 2024**
Notification of the authors: **Mid February 2025**
Submission of final manuscripts: **26 May 2025**
The final conference program will be published in April 2025.