



Welcome / Editorial Note

Dear Young Acousticians,
Welcome to the September issue! As we step into a new season, this edition brings you fresh updates, opportunities, and highlights from our community. We hope it inspires you to stay curious, connected, and engaged in the world of acoustics.
Enjoy the read,
The Young Acousticians Newsletter Team

Your Turn !

We'd love to hear from you!
This month's question: *What's your favourite sound?*
It could be anything – from nature, music, daily life, or even the lab! Share just a few words, and we'll include some in the next issue.
Example from our community:
"The laughter of friends"

Reply

Newsletter's Summary

- Agenda**

Get a reminder on upcoming events and deadlines. Feel free to contribute if you become aware of any change!
- News**

Discover more about Boston University's innovative "sound shield" and explore immersive sound installations at this year's Ars Electronica Festival in Linz.
- Job announcements**

Find your dream job in this fresh list of opportunities! If you wish to announce a position, please email the [YAN team](#).
- Publications**

This month, find a publication by Berkay Kullukcu; Robert Rosenkranz; Ercan Altinsoy, "Electric Truck Sound Design: A User-Centered Psychoacoustic Approach to Acoustic Vehicle Alerting Systems"

Upcoming Events

- September 2025**

10th- 12th International Conference on Immersive and 3D Audio
[Bologna, Italy](#)

18th- 19th Congress of the Alps-Adria Acoustics Association
[Varaždin, Croatia](#)

21st- 25th International Congress on Ultrasonics
[Paderborn, Germany](#)
- October 2025**

1st- 3rd ACOUSTICS 2025 High Tatras
[BVysoké Tatry, Slovakia](#)

19th- 21st ACOUSTICS 2025 Institute of Acoustics Annual Conference
[Milton Keynes, UK](#)
- November 2025**

3rd- 7th Autumn School Series in Acoustics
[Eindhoven, NL](#)

Upcoming Deadlines

- September 2025**

1st National Congress and Exhibition on Acoustics
Full text Submission Deadline. [Submission](#)

12nd Classroom Noise: A Research Update
Registration Deadline. [Registration](#)

15th ACOUSTICS 2025 High Tatras
Abstract Submission Deadline. [Submission](#)

15th Takder 2025
Full text Submission Deadline. [Submission](#)

20th YAN Mentoring Program 2025
Mentor sign-ups close. [Registration](#)
- November 2025**

1st DAGA 2025
Abstract Submission Deadline. [Submission](#)

News

New research in the design of "sound shield"

A team at Boston University has created a breakthrough metamaterial sound shield that provides broadband acoustic silencing while allowing for essential airflow. This innovation is a major step in solving a long-standing engineering challenge. The shield, based on phase-gradient metamaterials, works similarly to noise-cancelling headphones, offering effective silencing across a wide range of frequencies. This makes it practical for use in dynamic settings like factories, offices, and ventilation systems.

Ars Electronica Festival

The Ars Electronica Festival is set to take place in Linz, Austria, from September 3-7, 2025. This media-arts festival will feature a variety of immersive sound and spatial-audio installations. A key component of the event is the ACM-affiliated research conference, Expanded, which runs from September 3-5. The festival is a good opportunity for those working at the intersection of room acoustics, perception, and sound design.

The Mentoring Program 2025 is Now Open!

The Young Acousticians Network (YAN) Mentoring Program 2025 offers a unique opportunity to connect early-career researchers and students with experienced professionals in the field of acoustics. We invite you to take part in this rewarding initiative.

To join, please complete the relevant form: [Mentor sign-up form](#)

Let's continue building a supportive and inspiring acoustics community.

Job Announcements

- Acoustic Engineer
Premium Sound Solutions
[Dendermonde, Belgium](#)

Acoustic Consultant
Spectrum
[Bedfordshire, UK](#)

Post-Doc: Experimental characterization of noise bumps for ingesting wind tunnel and hydraulic channel [in French]
IMSIA, ENSTA Paris
[Palaiseau, France](#)
- PhD: Wind Turbine Noise Prediction in the Norwegian Context
NTNU, Department of Electronic Systems
[Trondheim, Norway](#)

Research Associate at Manchester Centre for Audiology and Deafness
The University of Manchester - School of Health Sciences
[Manchester, UK](#)

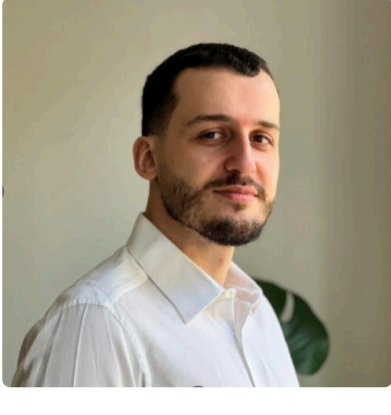
PhD Position Acoustic and psychoacoustic modelling for sound quality assessment in hospital PICUs (TU Delft, Netherlands)
Delft University of Technology
[Delft, Holland](#)

Publication

Electric Truck Sound Design: A User-Centered Psychoacoustic Approach to Acoustic Vehicle Alerting Systems

Electric vehicles (EVs), especially trucks, are becoming more common and present a distinct acoustic challenge compared with typical internal combustion engine vehicles. Their silent functioning poses a safety concern to pedestrians. This study seeks to provide a user-centered and psychoacoustically informed design methodology for acoustic vehicle alerting systems (AVAS), especially for electric trucks. Building on the preliminary findings of a semantic differential analysis that compared the perceived sound characteristics of internal combustion engine vehicles and EVs with and without AVAS, the study describes a design methodology. The procedure used in the study incorporates qualitative methods, such as open-ended surveys and jury tests, and quantitative methods incorporating psychoacoustical components. The emphasis is on balancing the intended "electric" and "truck-like" sound characteristics. The work describes a unique design method for user-centered and psychoacoustically informed AVAS for EVs that contributes to the expanding work to develop effective and user-friendly solutions for improving electric truck AVAS perception in urban contexts.

About the Author



Berkay Kullukcu is currently pursuing a Doctor of Engineering (Dr. Ing.) in Electrical Engineering at Technische Universität Dresden, specializing in acoustics. His research focuses on psychoacoustics, vibration measurements, electrical vehicle acoustics, and sound reproduction techniques. Previously, he earned his BSc and MSc in Mechanical Engineering from Koç University, where he conducted research on flexible polymer energy harvesting, microfabrication, and acoustic modeling. His technical skills include statistical data analysis, sound reproduction, and advanced instrumentation, complemented by professional experiences in automotive and aerospace industries. Currently he is working on integrating acoustics and user-centric design principles to address real-world challenges

Final Notes...

Whether you're analysing reverberation, designing concert halls, or exploring the perception of everyday soundscapes
We wish you a summer full of sound and inspiration!
Warm wishes,
The YAN Editorial Team
Young minds. Sound ideas...