



Newsletter's Summary

Agenda

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

News

This month we highlight the details of the topic "Development of European Acoustics in the 20th Century" and information on YAN vacancies for our newsletter and social media committees.

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 Jonas Karlberg, "Preserving Auditory Cues for Human Echolocation Training: A Geometrical Acoustics Study Using a Benchmark Dataset (BRAS)".

Upcoming Events

September 2024

02nd - 06th **Sound Of Drones: Summer School on Drone and Urban Air Mobility Sound Generation and Propagation**

[Fréjus, France](#)

03rd - 07th **DAFx24 27th International Conference on Digital Audio Effects**

[Surrey, UK](#)

08th - 11th **Quiet Drones 2024**

[Manchester, UK](#)

11th - 13th **Acústica 2024 XIII Congresso Ibérico de Acústica and TECNIACÚSTICA 2024**

[Faro, Portugal](#)

12th - 13th **Acoustics 2024**

[Manchester, UK](#)

30th - 02nd **IEEE IS2 2024 5th IEEE International Symposium on the Internet of Sound**

[Erlangen, Germany](#)

October 2024

02nd - IEEE International Workshop on Networked Immersive Audio

[Erlangen, Germany](#)

08th - 10th **AES Show 2024**

[New York, US](#)

November 2024

04th - 08th **ASSA2024 Autumn School Series in Acoustics 2024**

[Eindhoven, Netherlands](#)

06th - 08th **Acoustics 2024 Acoustics in the Sun**

[Gold Coast, Australia](#)

12th - 14th **Reproduced Sound 2024 40th Anniversary Conference and Exhibition**

[Bristol, United Kingdom](#)

Upcoming Deadlines

September 2024

06th - **ISAV2024**

14th International Conference on Acoustics and Vibration. Karaj, Iran. [Paper submission](#)

30th - **Acoustics 2024**

Acoustics in the Sun. Gold Coast, Australia. [Paper submission](#)

October 2024

25th - **Reproduced Sound 2024**

40th Anniversary Conference and Exhibition. Bristol, United Kingdom. [Paper submission](#)

November 2024

01st - **DAS | DAGA 2025**

14th International Conference on Acoustics and Vibration. Copenhagen, Denmark. [Abstract submission](#)

News

Acta Acustica Topical Issue: "Development of European Acoustics in 20th Century"

Acta Acustica is extending the call for submission of papers on the "Development of European Acoustics in 20th Century" topic. Even if you didn't participate in the Forum Acusticum 2023 conference, you can submit a paper on acoustics from a historical perspective. You can find out more on the Acta Acustica website.

Check the link: <https://acta-acustica.edpsciences.org/>

YAN vacancies

Calling all wordsmiths and media enthusiasts!

Are you passionate about sharing information and connecting with others? Do you have a knack for crafting engaging content? Or, perhaps you like writing and keeping people informed? If so, we need your talents on the Newsletter and Social Media Committees!

This is a great opportunity to contribute to YAN community and further connect with fellow acousticians. If you are interested, send us a brief statement about yourself at aaa.yan@euracoustics.org

Feel free to ask more questions about the positions! Join the YAN Newsletter or Social Media Committees and help us keep everyone in the loop! 🗣️

Let's get loud!

Sound off! Share your latest acoustics news & events

News flash! Have an acoustics story to share? Please tell us! aaa.yan@euracoustics.org

Share your acoustics projects, discoveries, thoughts, and insights on the latest in acoustics 🗣️😊

Job Announcements

Research Associate in Acoustics

German Institutes of Textile and Fiber Research (DITF).
[Dekendorf, Germany.](#)

Junior Acoustics Specialist

HPC Italia
[Milan, Italy.](#)

Research Associate - Audio and Media Technologies

Fraunhofer IIS. [Erlangen, Germany.](#)

Postdoctoral Researcher - Machine Learning for Signal Processing

Fraunhofer IIS. [Erlangen, Germany.](#)

Acoustic Consultant/Engineer

MSA. [London, UK.](#)

Graduate Acoustician

RAF Centre of Aerospace Medicine, Noise and Vibration Division. [Henlow, UK.](#)

Graduate Acoustic Consultant

Clement Acoustics. [London/Manchester, UK.](#)

PhD: Vibratory Fatigue of Heritage Objects

SATIE, CY Cergy Paris University. [Neuville-sur-Oise, France.](#)

Open PhD position - Acoustics for better buildings

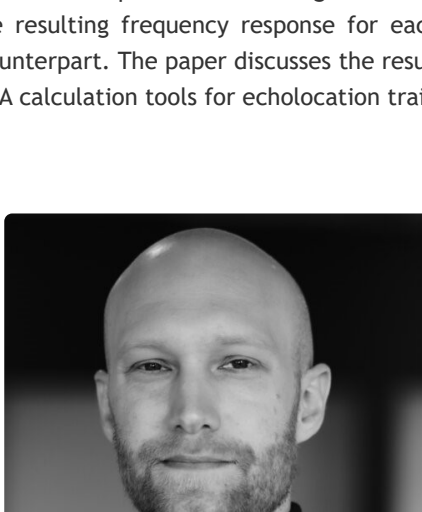
InnoRenew CoE. [Izola, Slovenia.](#)

Publications

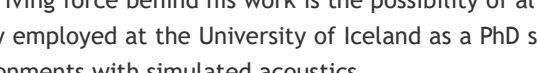
Preserving Auditory Cues for Human Echolocation Training: A Geometrical Acoustics Study Using a Benchmark Dataset (BRAS)

Human echolocation is a method mainly used from the blind navigating using sound emission and analysing the returning echoes with the surrounding environment. Echolocation is predominantly trained by orientation and mobility instructors at visual rehabilitation centres. However, systematic guidelines or protocols focusing on the requirements of room acoustic simulations to accurately represent the auditory cues necessary in a virtual training environment for echolocation have not yet been developed. This paper sets out to investigate the use of geometrical acoustic (GA) calculations for a virtual echolocation training system comparing the measurements from the Benchmark for Room Acoustical Simulation (BRAS) dataset with other GA calculations outcomes. Three simple and one complex test scenes are chosen from the dataset. The calculation settings are optimised for each test scene considering the complexity of the scene, room volume and acoustic phenomena. The monaural room impulse responses from the simulations are analysed with respect to the timing of the reflections and the level relations between the reflections and the resulting frequency response for each scene. These are subsequently compared with each measured counterpart. The paper discusses the results, their limitations, and provides recommendations on the use of GA calculation tools for echolocation training scopes.

About the Author



Jonas Karlberg has a wide range of experience in the field of audio and acoustics and has been working as an audio engineer, a sound designer, musician, and acoustic consultant. He has a lifelong interest in audio and sound; and the main driving force behind his work is the possibility of altering the sound experience of the listener. He is currently employed at the University of Iceland as a PhD student investigating the sound experience of virtual environments with simulated acoustics.



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