

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 bimonthly newsletter issue from Nuntius:)

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 discover a publication on exploring level- and spectrumbased music mixing transforms for hearing-impaired listeners.

Upcoming Events

December 2023 04th - 08th Acoustics 2023 Sydney

Sydney, Australia

13th (online) Webinar — Echolocation: the commercial application for ultrasound analysis

13th Third Underwater Acoustics PhD Symposium Day Southampton, UK

January 2024

17th - 19th Anglo French Physical Acoustics Conference 2024 (AFPAC) Loch Lomond, Scotland

26th LE MANS SONORE 2024 Le Mans Sonore 2024 "Acoustics Awards". Le Mans, France

February 2024

7th Aeroacoustics SIG Conference

Manchester, England

Upcoming Deadlines



December 2023

Physics (IABP)

Manchester, England. Abstract Submission

15th - Aeroacoustics SIG Conference

Toronto, Canada. Abstract Submission

31th - 9th triennial conference of the International Association of Building

January 2024

05th - LE MANS SONORE 2024

Le Mans Sonore 2024 "Acoustics Awards". Le Mans, France. Registration deadline

31st - ICUA 2024

31st - BNAM 2024

50th Baltic-Nordic Acoustic Meeting 2024. Hanasaari, Espoo, Finland. Abstract Submission

50th International Conference on Underwater Acoustics. Bath, UK. Abstract Submission

February 2024 9th - INTER-NOISE 2024

53th International Congress and Exposition on Noise Control Engineering. Nantes, France Abstract

Submission

News



EAA newsletter Nuntius The European Acoustics Association (EAA) has published the November/December issue of Nuntius, its

bimonthly newsletter, covering a variety of topics including: • Endorsements and promotions for upcoming events, conferences, seminars, workshops, and

- webinars related to acoustics
- email to eaa@euracoustics.org expressing their interest and sharing details about their publication. The EAA diligently matches each book with a qualified reviewer to ensure a comprehensive analysis.

Highlights from "Acta Acustica," a reputed "Open Access" scientific journal focusing on acoustics.

Acoustic literature reviews of recent publications or books. Interested authors can simply send an

Have a look <u>here</u> for more information:)

2024 AES International Acoustics &

Sound Reinforcement Conference:

The AES International Conference in Acoustics and Sound Reinforcement is happening this coming year in Le Mans, France between 23-26 of January. You can still

register to hear about the latest innovations in immersive audio, system designs or simply transducers. Check out their programme! Acta Acustica Topical Issue: The Acta Acustica topical issue on numerical, computational and theoretical acoustics is now open for

on the Aeroacoustics SIG Conference in Manchester. A preliminary programme will be made public on January

UKAN+ Aeroacoustics SIG Conference:

Are you interested in aeroacoustics? Then keep an eye

19th with contributions ranging from fundamentals to applications of aeroacoustics?

submission! Based on the impact and novelty of your Forum Acusticum paper and presentation, you may be invited to submit an extended version. Keep an eye on your email!

farewell to 2023

The end of the year is approaching quickly, and a retrospective is almost expected. The YAN has been changing and evolving, bringing all of us together to share knowledge and experiences. Whether you joined us online or in person for one of this year's events and programs, we thank you for becoming a part of our network! On behalf of the YAN team, we wish you all a wonderful Christmas break and an extraordinary new year! We hope to see

you all at our future events to celebrate your achievements with all the wonderful young acousticians around the world! . Job Announcements 日

Junior/Graduate Acoustics Consultant Opportunities in Acoustics at Scotch Partners. London, UK.

JLR. Budapest, Hungary

Communication



Audio Simulation and Test engineer

Audio Simulation CAD engineer

Different Levels Apex Acoustics. London, UK.

JLR. Budapest, Hungary.

Development Engineer Digital Audio Stage: Brass instrument bore Signal Processing - Voice optimization via Machine Learning

Laboratoire des Sciences du Numérique de Nantes Nantes, France. Development Engineers Audio-Coding Implementation Specialist Audio DSP Sennheiser Wedemark, Lower Saxony, Germany.

PhD in Bioacoustic Al

and physics-based sound simulations

Sennheiser. Wedemark, Lower Saxony, Germany

Sennheiser. Wedemark, Lower Saxony, Germany

Sorama. Germany, France, Belgium, Netherlands, **Finland**

Publications

however, has mostly tested samples of trained, normal hearing (NH) participants. The goal of the present study was to explore mixing paradigms for hearing-impaired (HI) listeners. In two experiments, the mixing preferences of NH and HI listeners with respect to the parameters of lead-to-accompaniment level ratio (LAR) and the low to high

frequency spectral energy balance were investigated. Furthermore, preferences of transformed equalization (EQtransform) were assessed, achieved by linearly extrapolating between the power spectrum of individual tracks and a

Multitrack mixing is an essential practice in modern music production. Research on automatic-mixing paradigms,

Exploring level- and spectrum-based music mixing transforms for hearing-

reference spectrum. Multitrack excerpts of popular music were used as stimuli. Results from experiment 1 indicate that HI participants preferred an elevated LAR compared to NH participants but did not suggest distinct preferences regarding spectral balancing or EQ-transform. Results from experiment 2 showed that bilateral hearing aid (HA) disuse among the HI participants yielded higher LAR values, stronger weighting of higher frequencies, as well as sparser EQ-transform settings compared to a condition with HA use. Overall, these results suggest that adjusting multitrack mixes may be a valuable way for making music more accessible for HI listeners. About the Author

impaired listeners



Aravindan Joseph Benjamin, an audio engineer by specialty, obtained a Bachelor of engineering degree in electronic and communication engineering at the Northumbria University in the United Kingdom and a Master of Science degree in electronic media technology at the Technical University of Ilmenau in Germany. His areas of expertise include: music signal processing, psychoacoustics, head-tracking-based dynamic binaural auralization of virtual room acoustics, algorithms for the simulation of virtual room acoustics, audio coding and compression, and electroacoustics. He is currently pursuing his doctorate in music processing for hearing impaired listeners at the music perception and processing laboratory at the Carl von Ossietzky University in Oldenburg, Germany. Prior to starting his doctorate, he was employed at the cognitive systems laboratory at the faculty of sciences of Chemnitz University of Technology before which he was engaged in a state-funded project researching the novel, fully printed paper loudspeakers at the print and media technologies department also at the Chemnitz University of Technology.











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