

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 New edition of the YAN-EAA Mentoring Program and a review of the annual EAA TC RBA meeting.

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 Zinah Al-bayyar, "Reconstructing the soundscape of the Ancient Hippodrome of Olympia for an immersive sonic experience of heritage sites based on sound sources description in texts".

Upcoming Events

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

December 2024

02nd - 04th **FIA 2024 13th Iberoamerican Congress on Acoustics**
Santiago, Chile

11th - 12th **ISAV2024 14th International Conference on Acoustics and Vibration**
Karaj, Iran

Upcoming Deadlines

November 2024

01st - **DAS | DAGA 2025**
14th International Conference on Acoustics and Vibration. Copenhagen, Denmark. [Abstract submission](#)

25th - **FAN 2025**
International Conference on fan noise, aerodynamics, applications & systems. Juan-Les-Pins, France. [Abstract submission](#)

30th - **NOVEM 2025**
Noise and Vibration Emerging Methods (NOVEM2025). Garmisch-Partenkirchen, Germany . Noise and Vibration Emerging Methods. Garmisch-Partenkirchen, Germany . [Abstract submission](#)

December 2024

31st - **USS2025**
Urban Sound Symposium 2025. Zürich, Switzerland. [Abstract submission](#)

January 2025

19th - **Forum Acusticum Euronoise 2025**
Forum Acusticum Euronoise 2025. Málaga, Spain. [Abstract submission](#)

News

EAA TC RBA Annual Meeting

The EAA TC RBA Annual Meeting of 2024 took place on August 27th at Internoise 2024 in Nantes, France, chaired by Mélanie Nolan and Teresa Carrascal, who was reappointed as co-chair for another term. The meeting reviewed the previous meeting held at Forum Acusticum 2023, provided updates on various working groups and Activities. The important points are summarized below.

Working groups (WGs)

There are currently three active WGs within TC RBA:

- WG 1: Acoustics in Open-Plan Schools and Offices
- WG 2: Sound Insulation Requirements and Sound Classification
- WG 3: Speech Reproduction and Perception in Rooms

Two working groups are currently not active:

- WG 4: New Measurements Methods in Building Acoustics
- WG 5: Requirements for Room Acoustical Parameters

Birgit Rasmussen gave an update on the activities of WG 2. Other WG Leaders were asked to send updated information on the activities of each WG for the webpage. In the future, the webpage will contain updated information on the activities and status of each WG. Even if the status is "not active", the information will be kept on the website for record. EAA Technical Committee (TC) RBA members were asked to suggest new working groups by emailing Mélanie Nolan and Teresa Carrascal.

Activities

Among the key planned activities is the Autumn School Series in Acoustics (ASSA 2024) in Eindhoven. The ASSA is a yearly-returning one-week school on a post-graduate Ph.D. level taking place at the Eindhoven University of Technology (TU/e). TC RBA has been actively involved in developing the program and selecting the lecturers for the Building and Room Acoustics school (<https://assaeindhoven.org/building-and-room-acoustics-2024/>).

At the ASA-ICA 2025 in New Orleans, three sessions are being co-organized between TC RBA and the TC in Architectural Acoustics (TC AA) from the ASA. Moreover, two satellite meetings are being organized in the days following ASA-ICA: the International Symposium on Room Acoustics (ISRA) and the International Symposium on Musical Acoustics (ISMA). Joint ISMA/ISRA sessions will be held on the first day (ISMA and ISRA will hold parallel sessions in subsequent days). 8 EAA TC RBA members are part of the organizing/technical committees. Additional information can be found here: <https://ica2025neworleans.org/satellite-symposia/ismra2025.org>

Lastly, the TC RBA is participating at Forum Acusticum/Euronoise 2025 in Malaga by proposing 19 structured sessions. One additional session was proposed under the open call for sessions. Information on the sessions will soon be available at the congress webpage: <https://www.fa-euronoise2025.org/structured-sessions-2>

A satellite event on Design and Modelling in Building Acoustics is being organized in the days preceding Forum Acusticum/Euronoise 2025 (21-22 June 2025). The event is a two day seminar which will be held at the School of Telecommunications Engineering in Malaga, Spain, in parallel to the Forum Acusticum Summer School. Information will be available at <https://www.fa-euronoise2025.org/satelite-events-1>

Finally, Michiel Geluykens was introduced as the YAN representative, responsible for connecting young acousticians with the TC and promoting networking opportunities. Closer connection between the young acoustician community and the TC RBA will follow! Suggestions for collaborations/input from you are welcome at: aaa.yan.events@euroacoustics.org

New edition of the YAN-EAA Mentoring Program

We are ready for another edition of the YAN-EAA Mentoring program! Are you? The mentoring program is a free and voluntary initiative to establish long-term links between early career acousticians and experienced seniors in order to establish bridges between the generations! It is a unique opportunity to learn and discuss with a veteran of the field. Get new insights on technical aspects or how to steer your career, the choice is yours. Through filling in the form, you will be matched with a senior for 1-on-1 interactions. We encourage regular online exchanges, and organize meetups during EAA conferences. Registrations end November 15th!

You can apply to the program here:
<https://https://forms.gle/xRwWuZSNV5hnFqZ76>

Danish Sound Day 2024

Don't miss out on Danish Sound Day conference! On November 5th the Danish Sound Cluster is bringing together researchers and companies from all sides of acoustics. This year's theme, Sound and Acoustics in Architecture and Room Design, promises to bring insightful discussions and innovative ideas on how sound shapes our built environment. You can read the full programme here: <https://danishsoundcluster.dk/en/danish-sound-day-2024/>

Encomium for Prof. Dr. Heinrich Kuttruff

The acoustics community mourns the loss of Professor Heinrich Kuttruff, a renowned expert who made significant contributions to the field, especially in room acoustics. He was a dedicated teacher and mentor, inspiring generations of acousticians. More in <https://euracoustics.org/news/encomium-prof-dr-heinrich-kuttruff/>.

How spider silk research led to a new kind of microphone

The ability to hear is essential for communication and interaction among animals and humans. While most people take their hearing for granted, Distinguished Professor Ron Miles has dedicated his career to understanding and improving auditory technology. Inspired by nature, Miles and his student Jian Zhou developed a new type of microphone based on spider silk! This unique strategy, using a string velocity rather than pressure to sense sound, offers potential for improved audio capture in consumer devices and medical applications. More in <https://www.binghamton.edu/news/story/4651/thinner-than-hair-stronger-than-steel-and-able-to-hear-how-spider-silk-research-led-to-a-new-kind-of-microphone>

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

Acoustic/Seismic metrology technician

SEISMO WAVE
Lannion, France.

Research Associate - Audio and Media Technologies
Fraunhofer IIS. Erlangen, Germany.

Junior Acoustic Consultant
MSA Careers and Consulting Ltd. Manchester, UK.

Postdoc - Real-Time Massive Multichannel Adaptive Filtering Techniques
ASFHEAR Project - LMFA Lyon. Lyon, France.

PhD - Design of realistic artificial heads adapted for testing hearing protectors
École de Technologie Supérieure. Montreal, Canada.

Embedded Software Engineer

L acoustics
Paris-Saclay/Hybrid

Postdoctoral Researcher - Machine Learning for Signal Processing
Fraunhofer IIS. Erlangen, Germany.

Acoustic Graduate/Consultant
Temple. London, UK.

PhD: Adaptive Sound Field Synthesis
ASFHEAR Project - LMFA Lyon. Lyon, UK.

PhD: Adaptive Sound Field Synthesis
ASFHEAR Project - LMFA Lyon. Lyon, UK.

Publications

Reconstructing the soundscape of the Ancient Hippodrome of Olympia for an immersive sonic experience of heritage sites based on sound sources description in texts

This study attempts to reconstruct and auralize the soundscape of the Hippodrome of Olympia in Greece. This UNESCO world-heritage-listed-site is considered the evidence of the Greek hippodromes. Hippodromes used to have several activities from which different combinations of sound sources created the soundscape. To collect sound sources, description in texts of site is sought by implementing methods of the archaeology of soundscape and the suggested criteria of contextual, internal, and comparative certainty for archaeoacoustics studies. The description of these activities facilitates reconstructing and auralizing the soundscape during different phases of events in the hippodrome. The results of the study showed that the information about the activities on the hippodrome, on similar hippodromes of different civilizations, and on similar hippodromes of later eras are rather sufficient to create a comprehensive soundscape of the site. Auralizing the reconstructed soundscape by using current auralization software and techniques promises of immersive experience of ancient sites that enhances understanding the sonic intangible cultural heritage element and the experience of the ancient soundscape. Furthermore, ancient users' perception of the soundscape can be approached by localizing the sound sources on the site and obtaining the corresponding acoustical properties, providing information of users' response to the sonic outcomes.

About the Author



Zinah Al-bayyar is a PhD candidate at Çankaya University, Ankara, Türkiye in the fields of room acoustics, archaeoacoustics, and environmental psychology. She obtained her MSc in Interior Architecture and Room Acoustics in 2021 from the same university, and her BSc in Architectural Engineering in 2015 from Baghdad University, Iraq. Her interdisciplinary research mainly focuses on the interrelation between room acoustics and environmental factors with user experience and evaluation of places. She also does research in multisensory design and works as an independent consultant in projects involving environmental challenges and social behaviors.

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