



ETI on Internet of Sounds Board Meeting

17:30 – 18:30 CET | Zoom Teleconference | 4th December 2024



Agenda

- ▶ Welcome (Luca Turchet)
- ▶ Approval of the agenda (All)
- ▶ Growth of the community (Luca Turchet)
- ▶ Report on the 5th IEEE International Symposium on the Internet of Sounds (Nils Peters)
- ▶ Report on the 1st International Workshop on the Musical Metaverse (Luca Turchet)
- ▶ Updates on the next IS² (Claudia Rinaldi)
- ▶ Updates on past and current activities (Luca Turchet)
- ▶ Open discussion / Any other business (All)

Growth of the community

- ▶ The Internet of Sounds Research Network is growing
 - Since our last meeting in November 2023
 - 130+ partners (new academic institutions and companies): **+2%**
 - 300+ member in the mailing list: **+5%**
 - 114 contributions submitted to IS² 2024: **+21% respect to 2023**
 - Several recent journal publications on research pertaining to the IoS
 - Citations to IoS-related papers are undoubtedly increasing

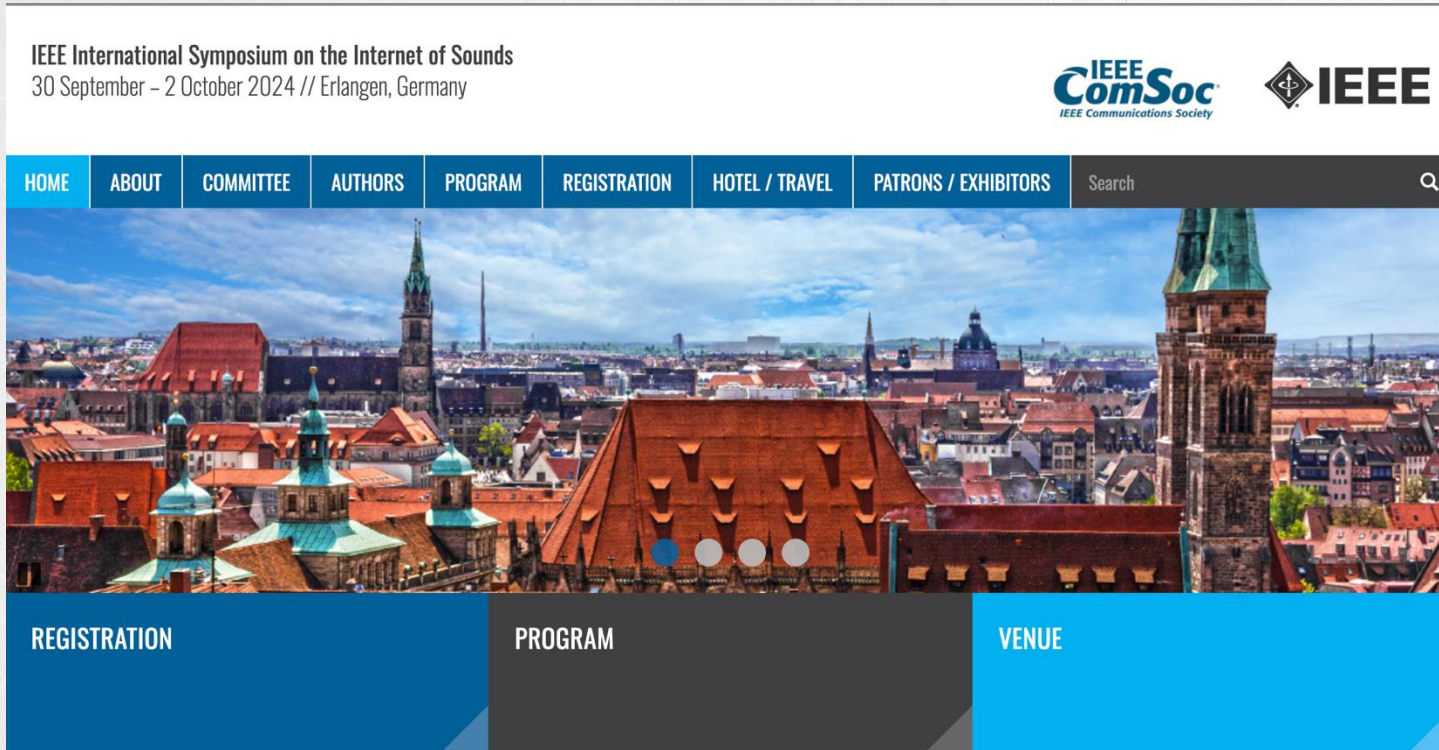
These numbers are an indication that there is attention towards the IoS topics and products

- ▶ We should reach more researchers operating in the IoS space, and in particular more companies, so for the community to grow and the IoS field to progress



please keep spreading the word with your network!

5th IEEE International Symposium on the Internet of Sounds



<https://internetofsounds2024.ieee-is2.org/>



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Report on flagship conference of the IoS community

- 85 registrations: 75 in presence, 10 remotely connected
- 49 accepted papers (acceptance rate: 50%)
- Proceedings published on IEEEXplore
- 3 Keynotes
- 22 Oral presentations sessions
- 25 Poster sessions
- 11 Demo sessions
- 1 Panel
- 3 satellite events
 - The 1st International Workshop on the Musical Metaverse
 - The 2nd International Workshop on Networked Immersive Audio
 - The 1st IEEE Music Packet Loss Concealment Challenge



Considerations about this year edition with respect to the past symposium edition

- ▶ 1 day longer
- ▶ We became an official IEEE conference
- ▶ 3 satellite events
- ▶ IEEE ComSoc provided student travel grants
- ▶ IEEE ComSoc provided a grant to organize the workshop on the Musical Metaverse
- ▶ AES Germany provided support to music submissions
- ▶ Increase in the budget from sponsors
- ▶ Increase in the number of papers from companies
- ▶ Increase in the quality of the contributions
- ▶ Increase in the number of participants
- ▶ New track on Music & Installations

1st International Workshop on the Musical Metaverse

- ▶ Activities
 - 6 oral presentations
 - 3 posters
 - 9 demos
 - 1 panel
- ▶ The event was supported by the *2024 TC Innovation Support Project Fund* of IEEE ComSoc
 - Budget: \$6.000
 - We covered some of the travels costs of the organizers, speakers and early career researcher in need
- ▶ We received positive feedback from ComSoc following the submission of the report

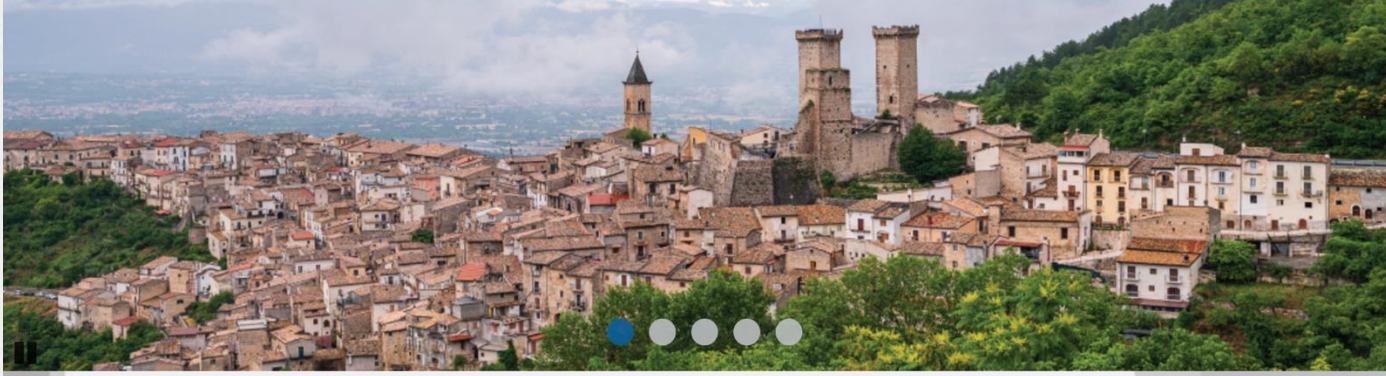


Updates on IEEE IS² 2025

IEEE International Symposium on the Internet of Sounds
29–31 October 2025 // L'Aquila, Italy

IEEE ComSoc IEEE

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We are pleased to announce the 6th edition of the International Symposium on the Internet of Sounds (IS2 2025).

The symposium provides a **premier interdisciplinary platform** for **researchers, practitioners, industry leaders, and educators** to present and discuss the latest innovations, emerging trends, challenges, and solutions within the Internet of Sounds ecosystem.

By addressing both **theoretical advancements** and **practical challenges**, the symposium serves as a critical venue for exploring how the Internet of Sounds can shape the future of **connectivity, multimedia services, and interactive experiences**.

It will take place in the Centro Congressi “Luigi Zordan” in the vibrant city of L'Aquila, Italy, known for its rich history, dynamic culture, and rapidly growing technology sector.

Benvenuti!

IMPORTANT DATES

All Submission Deadlines:
1 July 2025

Authors Notification:
1 September 2025

Camera Ready Due:
1 October 2025

Grants Application Deadline:
TBD

Early Registration Deadline:
TBD

Screenshot

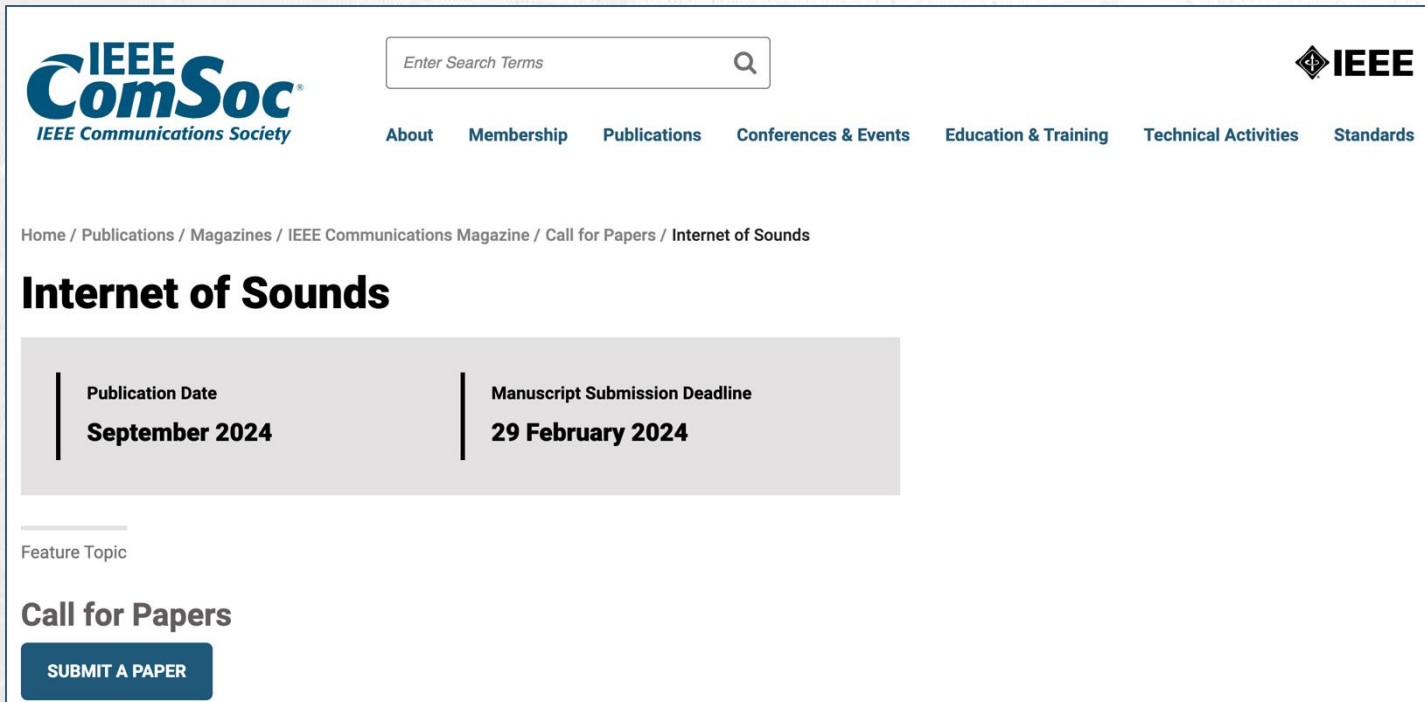
- ▶ Chair: Dr. Claudia Rinaldi
- ▶ Hosted in L'Aquila, Italy
- ▶ October 29-31, 2025

Status of preparation

- ▶ Assembling of Organizing Committee is finalized
- ▶ 3 Keynotes confirmed
- ▶ Website is live (<https://internetofsounds2025.ieee-is2.org/>)
- ▶ Submission date is set (Jul 1 2025)
- ▶ Music and Installation in addition to technical Papers and Demos
- ▶ 3 Satellite Workshops announced:
 - 3rd edition of the IEEE International Workshop on Networked Immersive Audio
 - 2nd edition of the IEEE International Workshop on the Musical Metaverse
 - 2nd edition of the IEEE Music Packet Loss Concealment Challenge
- ▶ Expecting 80-100 attendees
- ▶ Feel free to propose a workshop/panel/tutorial at IEEE IS² 2025

Updates on past activities

- ▶ **IEEE Communication Magazine** invited us to launch a **special issue** on the Internet of Sounds
- ▶ The Special issue will be published in December 2024 (6 contributions accepted)



The screenshot displays the IEEE ComSoc website. At the top left is the IEEE ComSoc logo. To its right is a search bar with the placeholder text 'Enter Search Terms' and a magnifying glass icon. Further right is the IEEE logo. Below these elements is a horizontal navigation menu with links: About, Membership, Publications, Conferences & Events, Education & Training, Technical Activities, and Standards. Below the navigation menu is a breadcrumb trail: Home / Publications / Magazines / IEEE Communications Magazine / Call for Papers / Internet of Sounds. The main heading is 'Internet of Sounds'. Below this heading is a light gray box containing two columns of information: 'Publication Date' with the value 'September 2024' and 'Manuscript Submission Deadline' with the value '29 February 2024'. Below this box is a section titled 'Feature Topic' with the heading 'Call for Papers' and a dark blue button labeled 'SUBMIT A PAPER'.

- Guest Editors: Woon-Seng Gan, Maximo Cobos, Hossein Shokri Ghadikolaei, Luca Turchet

Updates on current activities


- ▶ The **EURASIP Journal on Audio, Speech and Music Processing** had invited us to launch a **special issue** on the Internet of Sounds topic


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Signal Processing for the Internet of Sounds

 Participating journal: [EURASIP Journal on Audio, Speech, and Music Processing](#)

 Open for submissions

 Submission deadline
11 June 2025

EURASIP Journal on Audio, Speech, and Music Processing is calling for submissions to our Collection on Signal Processing for the Internet of Sounds. In recent years there has been an increasing interest in academia and industry about topics at the confluence of Internet of Things and Sound and Music Computing. This has led to the emergence of the interdisciplinary field of the Internet of Sounds (IoS), which can be seen as the union of two paradigms: the Internet of Musical Things and the Internet of Audio Things. These respectively address musical and non-musical domains in networked contexts. This Special Issue aims to present high-quality original research reporting the current state of the art of IoS systems with a particular focus on the signal processing aspects involved, both in real-time and offline scenarios. We are interested in submissions covering different aspects related to the use of sound and music processing in relation to local or remote networks, as well as embedded, cloud-based and edge-based systems.

- <https://www.springeropen.com/collections/spios>
- Guest Editors: Luca Turchet, Nils Peters, Toon van Waterschoot, Tuomas Virtanen
- Deadline: 11th June 2025
- **Please consider submitting a contribution**
- **Please spread the word**

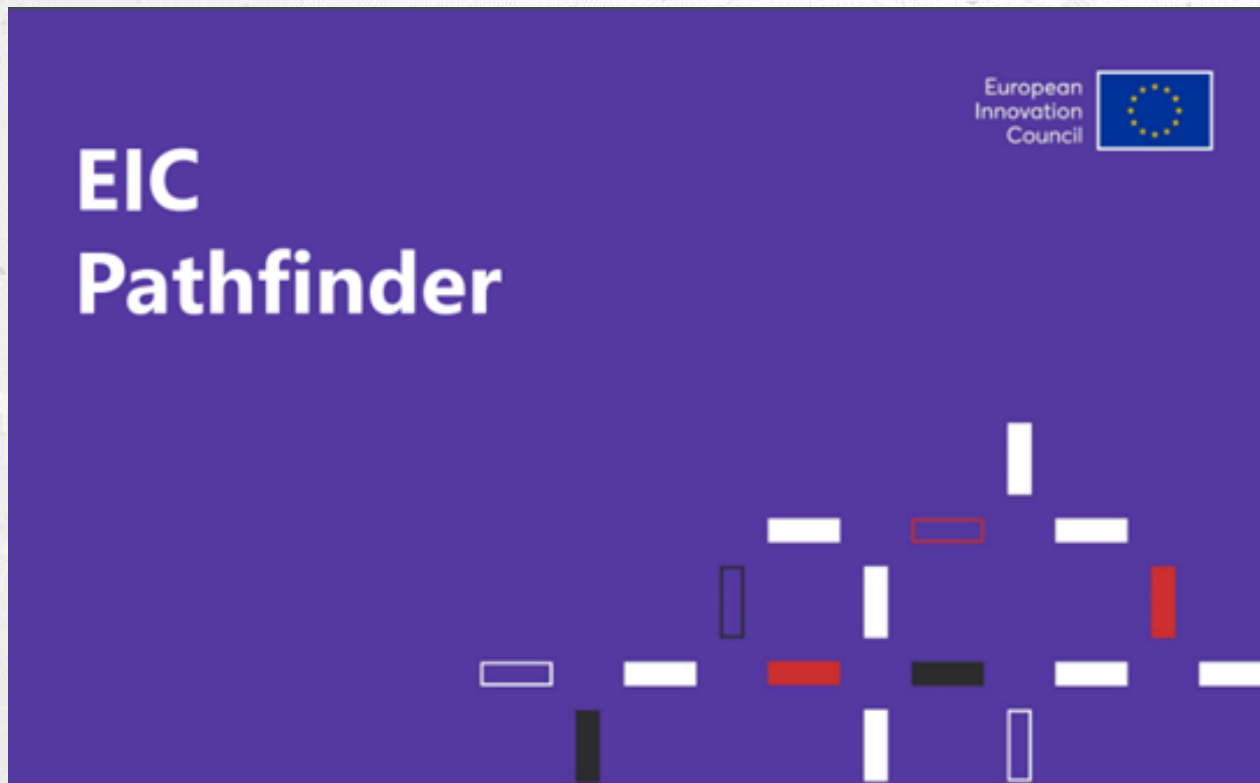
Updates on current activities: other relevant special issues

- ▶ IEEE Transactions on Technology and Society
 - Special issue on “Ethical Innovation with/in Music Technology”
 - Deadline: 1st September 2025

- ▶ IEEE Transactions on Haptics
 - Special issue on “Haptics for the Arts”
 - Deadline: 30th May 2025

Updates on current activities

- ▶ The European Commission has granted a project on the Musical Metaverse under the scheme EIC Pathfinder Open



- Various groups and companies from the Internet of Sounds Research Network are part of the consortium
- 2025-2029
- www.musmet.eu (forthcoming)

Open discussion

- ▶ Do you have any proposal?
- ▶ Do you have any news or updates to share? E.g.,
 - Funded projects on IoS related areas
 - Master's/PhD courses offered
 - Keynotes or tutorials at conferences
 - Tutorials at conferences
 - Prototypes, open-source software, open datasets
- ▶ Standardization efforts?
- ▶ Any other business