

Call for Papers

On behalf of the European Association for Signal Processing (EURASIP), it is a great pleasure of the organizing committee to invite you to the 32nd European Signal Processing Conference, EUSIPCO 2024, to be held in Lyon, France, August, 26th-30th, 2024.

EUSIPCO is the flagship conference of EURASIP and offers a comprehensive technical program addressing all the latest developments in research and technology for signal processing.

EUSIPCO 2024 will feature world class speakers, oral and poster sessions, plenaries, exhibitions, demonstrations, tutorials, and satellite workshops, and is expected to attract many leading academic researchers and people from industry from all over the world.

EUSIPCO 2024 will also have a specific flavour with focus on interdisciplinary research geared toward major societal challenges. This will be highlighted by keynote speakers and special sessions.

Key Dates for the call for papers

Full Paper submission: March 3rd 2024

Notification of Acceptance: May 22nd 2024

Camera ready Paper submission: June 1st 2024

The technical scope of the conference is listed below.

Calls for special sessions, tutorial and 3-Minute Thesis, with key dates are available in the next pages.

Accepted papers will be included in IEEE Xplore®.

EURASIP enforces a “no-show” policy.

Procedures to submit papers, proposals for special sessions, tutorials and satellite workshops can be found on the website.

TECHNICAL SCOPE

We invite the submission of original, unpublished technical papers on topics including but not limited to:

- Audio and acoustic signal processing
- Speech and language processing
- Image and video processing
- Multimedia signal processing
- Signal processing theory and methods
- Sensor array and multichannel signal processing
- Signal processing for communications
- Radar and sonar signal processing
- Signal processing over graphs and networks
- Nonlinear signal processing

- Statistical signal processing
- Compressed sensing and sparse modelling
- Optimization methods
- Machine learning
- Bio-medical image and signal processing
- Signal processing for computer vision and robotics
- Computational imaging / spectral imaging
- Information forensics and security
- Signal processing for power systems
- Signal processing for education
- Bioinformatics and genomics
- Signal processing for big data
- Signal processing for the internet of things
- Design/implementation of signal processing systems

Call for Special Sessions

EUSIPCO has an excellent track record over the years for organizing Special Sessions in new or emerging areas. This year as well we are seeking innovative, high-quality and potentially proposals for Special Sessions that complement the regular program of the conference and have a focus on interdisciplinary challenges or address significant societal challenges. Special Sessions should be focused and provide both an overview of the state-of-the-art, as well as highlight the most promising research directions, trends and challenges in the proposed field of signal processing.

Proposers should submit the following information with their submission:

1. Special Session title
2. Short description of proposed topic (one paragraph)
3. Novelty and motivation (one to two paragraphs), including why this topic is of interest to the EUSIPCO community and why it is different from a regular session on the same topic
4. Short biography of the organizers
5. List of contributed papers (titles, authors w. affiliations, and a short abstract). The targeted number of papers per session is 6, and at least 4 of those should not include the organizers as authors.

Proposals will be evaluated based on topic novelty and associated impact, organizing committee qualifications, as well as the proposed list of contributed papers.

Special session paper submissions at EUSIPCO are reviewed via the exact same process as submissions to the regular program, and papers are expected to meet the same quality standards. For Special Sessions that are somewhat undersubscribed (due to paper rejections or limited number of submissions), an effort will be made to identify regular submission papers to complete the session, as deemed appropriate by the conference organizers.

SUBMISSION

Proposals (in pdf and not to exceed 4 pages) and inquiries should be sent via e-mail to the Special Sessions Chairs Herwig Wendt and Geert Leus

herwig.wendt@toulouse-inp.fr

G.J.T.Leus@tudelft.nl

Key dates

Submission of Special Session proposals: Jan 14th 2024

Notification of acceptance of special session proposals: Jan 30th 2024

Call for Tutorials

EUSIPCO is the flagship conference of EURASIP and offers a comprehensive technical program addressing all the latest developments in research and technology for signal processing. EUSIPCO 2024 will feature world class speakers, oral and poster sessions, plenaries, exhibitions, demonstrations, tutorials, and is expected to attract many leading academic researchers and people from industry from all over the world.

TUTORIALS

The tutorial proposals will be judged by their technical quality, relevance and timeliness of the topic, quality of the proposal, qualification of the speakers, and presence of similar topics or same speakers at recent EUSIPCOs or other conferences. Six to eight three-hours tutorials are foreseen taking place on Monday, August 2024. No more than four tutorials will run in parallel at any time of the day. When registering, the attendees may choose up to one tutorial in the morning and up to one in the afternoon. Tutorials with less than 10 registrations a week after the early registration deadline will not be run unless otherwise explicitly decided by the Tutorials Chairs. The tutorial slides will be made available to the attendees via the EUSIPCO website, which can be accessed during the tutorial as wireless Internet access will be provided. It is the responsibility of the tutorial speakers to assure that no copyright problems are incurred with their presentation.

REQUIRED INFORMATION

Proposal submissions are restricted to 6 pages (excluding any sample presentation material) and must include the following information:

1. Tutorial title
2. Tutorial speakers(s): name, affiliation, email and web page
3. Tutorial motivation and relevance
4. Tutorial outline
4. Short CV (max. two A4 per speaker) of all speakers
5. Indication whether the same tutorial will be submitted (within 12 months) to other conferences in the field (ICASSP, ICIP, ...)

SUBMISSION

Prospective tutorial speakers are invited to submit their proposal via e-mail in PDF by March 1, 2024, to the Tutorials Chairs Guillaume Ginolhac and Jordi Vila-Valls
guillaume.ginolhac@univ-smb.fr
Jordi.VILA-VALLS@isae-supero.fr

Call for 3-Minute Thesis

After the successful past editions, the Technical Program Committee of EUSIPCO 2024 is offering for the tenth consecutive year a 3-Minute Thesis (3MT) contest, where PhD students have three minutes to present a compelling oration on their thesis and its significance. This activity is sponsored by EURASIP. It is an exercise for students to consolidate their ideas so they can present them concisely to an audience specialized in different areas. Together with scientific and technical quality, EURASIP wants to promote transversal skills of PhD researchers such as oral and presentation skills, and it also wants to help PhDs to gain visibility of their work.

To PhD students: If you are devoting or have devoted 3 or more years to your PhD, you could devote 3 minutes to explain it to a more general public, we challenge you!

Submission instructions

1. Create a video that best explains your work in a language appropriate to a signal processing general audience.
The video should not be longer than 3 minutes.
Note that “3MT is not an exercise in trivialising research”: accessibility to a broad audience should not be detrimental to the presentation of your scientific contributions. As such you should ensure that you address the scientific problem/challenge you address in your thesis and your specific contribution to it, not simply stating the problem/challenge.
2. Upload your video to a site accessible by the evaluation committee. The video should be accessible for viewing and downloading. It is ok for the video to be hidden from search engines and accessible only with a private URL. However, it should not require a username/password to view. You can use, for example, DropBox, Google Drive, or your institution’s web server. The video is the one that will be posted on the conference website, so please make sure it is possible to download.
3. Submit your entry via email to barbara.pascal@cnrs.fr and julian.tachella@ens-lyon.fr with object “EUSIPCO 2024 3MT” no later than June 15th, 2024. Make sure you include a Title, 1-page abstract/summary, Name, Affiliation and a link to the video location. An acknowledgement of receipt will be sent by 15 days.
4. A shortlist of finalists will be selected by a jury composed by the two members of the EURASIP BoD and the EUSIPCO 2024 Student Activity Chairs.

3MT Awards

The final contest will take place physically during EUSIPCO and finalists will be expected to attend the conference in person. The three-minute duration of the presentation will be strictly controlled. The finalists will receive complimentary registration to attend EUSIPCO (please note that this free registration cannot be used to cover accepted papers).

The audience of the contest will select a “People’s choice award”, and assist the jury in selecting the winner and runner up winner of the 3MT thesis competition. The winner and the recipient of the “People’s choice award” will be awarded with a prize of 500€ each. Candidates ranking second and third will receive a prize of 300€ and 200€ respectively and an award certificate. The video of the winners and runner up will be posted online on the

EURASIP website. You can find the rules for the competition here: <https://eurasip.org/3mt-contest>, directly derived from the original 3MT contest rules described in details here: <https://threeminutethesis.uq.edu.au/live-competition>.

Previous EUSIPCO 3MT-Videos

If you need inspiration, have a look at the previous 3MT contest winners: <https://eurasip.org/3mt-contest>

Important dates

3MT video and one page abstract submission due: **June 15, 2024**

Shortlist announced: **June 30, 2024**

Please address submissions

or questions related to the 3MT contest

to the Student Activities chairs, Barbara Pascal and Julian Tachella
barbara.pascal@cnrs.fr and julian.tachella@ens-lyon.fr.

Good luck to all the students,

EUSIPCO 2024 General & Students Activities Chairs