19 th International Workshop on Acoustic Signal Enhancement

IWAENC 2026
Cremona, Italy
Sept. 7-10, 2026
www.iwaenc2026.org

Call for papers

The 19th International Workshop on Acoustic Signal Enhancement (IWAENC 2026) will be held in Cremona, Italy, in the campus of Politecnico di Milano, from Sept. 7 to Sept. 10, 2026. Since its first edition held in Berlin, Germany, in September 1989, it evolved into one of the leading workshops for theoretical and practical aspects related to speech and acoustic signal acquisition, processing and rendering, always embracing technological advancements in the field, such as machine learning and deep learning. At its technical core, the three-day program offers keynote lectures, oral and poster presentations, and demonstrations.

Scope

This workshop focuses on new methods and systems for enhancing and processing speech and audio signals. Applications include mobile and ambient communication, audio-visual conferencing systems, voice control systems, hearing devices, interactive TV, robot audition, smart acoustic environments, and emerging applications in audio and acoustic signal processing.

Topics

For all topics listed below, both model-based and data-driven methods and algorithms are welcome.

- Acoustic echo and feedback suppression
- Noise reduction
- Microphone array processing
- Source localization and tracking
- Speaker separation, extraction and diarization
- Dereverberation
- Active noise control
- Robot audition
- Speech and audio coding
- Acoustic sensor networks
- Acoustic event detection and scene classification
- Spatial audio recording and reproduction

- Modelling, analysis and synthesis of acoustic environments
- Auditory modelling and hearing instruments
- Datasets for speech and audio
- Quality and intelligibility assessment
- New and emerging topics in speech and audio processing
- Multimodal speech and audio processing, including audio-video, audio-EEG, etc.
- Speech analysis: activity detection, overlapping speech detection, emotion recognition, etc.
- Speech intelligibility enhancement

Special sessions

The Organizing Committee solicits proposals for special sessions within the technical scope of the workshop. Special session proposals should include the session title, rationale, titles and abstracts of at least 6 invited papers as well as a short biography of the special session organizer(s), including the affiliation, address, and email.

Demonstration sessions

Besides the regular paper presentations, a separate demonstration session is planned. For a contribution to this session, a brief description of the demonstration should be submitted via the call for demonstrations page. The description will not be included in the workshop proceedings.

Best student paper award

The IWAENC Technical Committee will award a "Best Student Paper Award". The selection will be based on originality, scientific merit, and quality of writing and presentation. The paper must be presented by the candidate student to qualify for the award.

Important deadlines

Feb. 27, 2026 special session proposals
Mar. 9, 2026 submission system opens
Apr. 24, 2026 regular papers submission
Apr. 30, 2026 revision of uploaded papers

Jul. 3, 2026 notification of acceptance
Jul. 24, 2026 upload of camera-ready papers
Jul. 24, 2026 early registration

Organizing committees

General chairs
Fabio Antonacci
Politecnico di Milano, Italy
Augusto Sarti
Politecnico di Milano, Italy

Technical program chairs
Jingdong Chen
Northwestern Polytechnic University, China
Ryan Corey
University of Illinois Chicago, USA
Sharon Gannot
Bar-Ilan University, Ramat Gan, Israel

Industry liaison chairs
Ivan Tashev
Microsoft Research, Redmond, USA
Jan Skoglund
Google Research, USA

Plenary lectures chair
Shoichi Koyama
National Institute of Informatics, Tokyo, Japan

Award chair
Walter Kellermann
University of Erlangen-Nuremberg, Germany

Overseas liaisons
Shoji Makino
Waseda University, Japan

Publication & publicity chair
Alberto Bernardini
Politecnico di Milano, Italy

Satellite workshops & special sessions chair
Mirco Pezzoli
Politecnico di Milano, Italy

Demo chair
Federico Miotello
Politecnico di Milano, Italy

Social & student activities chair
Riccardo Giampiccolo
Politecnico di Milano, Italy

Finance chair
Fabrizio Grando
BBV Gastaldi, Italy