



35th European Signal Processing Conference

Call for Papers



Many Signals, One Community.

August 30 – September 3, 2027

darmstadtium Science & Congress Centre · Darmstadt, Germany

eusipco2027.org



Wedding Tower, Mathildenhöhe



Prince George's Garden



Russian Chapel, Mathildenhöhe

Welcome to EUSIPCO 2027

After more than 30 years, signal processing returns to Germany! The 35th European Signal Processing Conference will take place in Darmstadt, the “Science City” at the heart of the Rhine-Main region.

As EURASIP’s flagship event, EUSIPCO is Europe’s leading forum for sharing ideas, exploring breakthroughs, and connecting academia, industry, and early-career researchers.

EUSIPCO 2027 will take place at the striking darmstadtium Conference Center. It will feature world-class keynotes, tutorials, and special sessions covering signal processing, machine learning, and AI with applications ranging from biomedical technologies and autonomous systems to immersive media and space communications.

Join us in Darmstadt, a UNESCO World Heritage city just 30 minutes from Frankfurt Airport and the ideal base to discover Heidelberg, the Rhine Valley, and the beauty of central Germany.

Call for Papers

Five-page conference papers describing original research and new concepts are solicited for technical sessions on, but not limited to, established topics within the scope of the EURASIP Technical Area Committee as well as emerging topics:

Speech, Audio and Music

- Speech and audio foundation models
- Audio deepfake detection, provenance, and synthetic-speech forensics
- Immersive and spatial audio, sound-field processing, and neural audio coding

Biometrics, Forensics and Security

- Generative-AI and deepfake forensics
- Trustworthy, privacy-preserving, fair, and robust biometrics
- Biometrics in the generative-AI era: synthetic identities, morphing, and spoofing attacks

Machine Learning and Data Analytics

- Foundation models for signals and time series
- Generative models for inverse problems and computational sensing
- Federated, continual, adaptive, and trustworthy learning

Multisensor and Array Processing

- Metasurface-aided and wave-domain array processing
- Near-field and extremely large aperture array processing
- Federated and edge learning for multichannel sensing

Signal Processing for Communications

- Reconfigurable Intelligent Surfaces and over-the-air signal processing
- Signal processing for advanced antenna architectures
- Semantic communications
- Integrated Sensing and Communication (ISAC)

Theory and Methods

- Uncertainty-aware and trustworthy signal processing
- Model-based and learning-based signal processing
- Graph, high-dimensional, and structured signal processing

Visual Information Processing

- Foundation and generative models for image restoration and inverse problems
- Learned image and video compression
- 3D/4D and multimodal visual representation and reconstruction

Biomedical Signals and Imaging

- Multimodal biomedical foundation models
- AI for neuroimaging and neural decoding
- Physics- and model-informed medical imaging and reconstruction

HIGHLIGHTS OF THE 2027 EDITION

Social and Networking Program

- Welcome reception and castle party: Perfect opportunities to reconnect with colleagues and establish new links.
- Banquet at the Orangerie, a baroque masterpiece surrounded by formal gardens.
- Organized Bus Tour to Heidelberg
- 3-Minute Thesis and Best Student Paper Competitions: Providing visibility to students and emerging scholars.
- A dedicated mentoring session for PhD students to discuss their research with distinguished researchers and fellow doctoral students.



Important Dates

December 1, 2026

Special Session Proposals

February 6, 2027

Conference Paper Submission

March 1, 2027

Tutorial Proposals

April 30, 2027

Journal Paper Submission (for presentation)

June 2, 2027

Author Registration and Early Bird Deadline

July 3, 2027

Three-Minute PhD Thesis (3MT) Competition

Paper Submission

Accepted papers will be included in IEEE Xplore®. EURASIP enforces a “no-show” policy. Detailed submission procedures will be reported on the conference website.

DISCOVER DARMSTADT AND ITS SURROUNDINGS



Heidelberg



Rhine Valley



Frankfurt