

APDSP 2027

May 28-30, 2027
Xining, China

2027 11th Asia-Pacific Digital Signal Processing Conference

2027 11th Asia-Pacific Digital Signal Processing Conference (APDSP 2027, previous conference title is International Conference on Digital Signal Processing, ICDSP) will be held in Xining, China during May 28 to 30, 2027. It is mainly sponsored by Qinghai Institute of Technology, and hosted by School of Computer and Information Science, Qinghai Institute of Technology and technically supported by many universities and institutions. It is an annual research conference and the first 3 APDSP conferences were held in Kuala Lumpur, Tokyo, Jeju Island, respectively. And because of the COVID-19 pandemic, APDSP2020-2022 were shifted to a virtual format. Since 2023, APDSP2023 was held in Chengdu, APDSP2024 in Hangzhou, APDSP2025 in Chengdu, APDSP2026 in Chengdu successively.

(APDSP 2027, previous conference title is International Conference on Digital Signal Processing, ICDSP)

www.icdsp.org/

CALL FOR PAPER

MACHINE LEARNING AND STATISTICAL SIGNAL PROCESSING

Detection, estimation and classification theory and methods, statistical signal processing
System identification and modeling, nonlinear systems
Independent Component Analysis and blind source separation
Machine learning and neural networks
Theory of sparse representations and compressed-sensing

AUDIO AND ACOUSTIC SIGNAL PROCESSING

Modeling, Analysis and Synthesis of Acoustic Environments
Detection and Classification of Acoustic Scenes and Events
Auditory Modeling and Hearing Instruments
Acoustic Sensor Array Processing
Active Noise Control, Echo Reduction and Feedback Reduction

DESIGN AND IMPLEMENTATION OF SIGNAL PROCESSING SYSTEMS

Signal processing architectures and VLSI hardware, DSP algorithm implementation and tools
Hardware security
Programmable Hardware (e.g. FPGA, SoC, ASIC, etc.) for DSP algorithms
Multicore Processors for DSP algorithms

SPEECH AND LANGUAGE PROCESSING

Speech and speaker recognition
Speech coding, synthesis and analysis
Speaker/Language identification and diarization
Spoken language processing

DIGITAL AND MULTIRATE SIGNAL PROCESSING

Filter design, analysis and implementation
Time-frequency analysis and signal representations, including spectrum analysis, harmonic analysis, filter banks and multirate processing, wavelets
Sampling, extrapolation, and interpolation
Graph analysis, Spectral Graph Theory and Algebraic Topology algorithms, Wavelets over graphs

For details about topics, please visit at <http://icdsp.org/cfp.html>

CONFERENCE SCHEDULE

Saturday, May 28, 2027 | Sign in and Collect Conference Materials
Sunday, May 29, 2027 | Invited Talks (Keynote Speech, Plenary Speech, Invited Speech); Authors Presentations in Panel Sessions; Poster Session & Special Sessions
Monday, May 30, 2027 | Academic Visiting or Tour & Online sessions

SUBMISSION

1. Full paper (publication and presentation)
2. Abstract (presentation only)

For full paper, please upload it to the APDSP 2027 conference management system
<https://www.zmeeting.org/submission/apdsp2027>
For abstract, please send it to icdsp@chairmen.org
More detail about submission, please visit at <http://icdsp.org/sub.html>

IMPORTANT DATES

Submission Deadline: 10 January 2027
Notification Deadline: 15 February 2027
Registration Deadline: 28 February 2027
Final Paper Submission Deadline: 28 February 2027

All accepted papers from the APDSP 2027 will be published in the Conference Proceedings, which will be submitted to EI Compindex and Scopus for indexing.

CONTACT

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Engineering Research Center of Digital Media Technology, Ministry of Education

