

15th International Conference on Intelligent Control and Information Processing

February 8-14, 2027

Vientiane and Luang Prabang, Laos



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<https://conference.cs.cityu.edu.hk/icicip>

Call for Papers

Sponsors and Organizers: National University of Laos, Guilin University of Electronic Technology, and City University of Hong Kong
Technical co-sponsor: IEEE Systems, Man and Cybernetics Society

The 15th International Conference on Intelligent Control and Information Processing (ICICIP2027) will be held in Vientiane and Luang Prabang (the present and former capitals of Laos), from February 8-14, 2027. The conference will take place at rich historical and cultural sites, including two on UNESCO's World Heritage List and Tentative List. Building on the successes of previous events, ICICIP2027 aims to provide a high-level international forum for scientists, engineers, and educators to present state-of-the-art research and applications across related fields. The conference will feature pre-conference, tutorials, plenary speeches given by world-renowned scholars, regular sessions with broad coverage, special sessions focusing on popular topics, and post-conference tutorials/workshops in conjunction with the main event.

Call for Papers and Special Sessions

Authors are invited to contribute high-quality papers to ICICIP2027. In addition, proposals for special sessions within the conference's technical scope are solicited. Special sessions, organized by internationally recognized experts, aim to bring together researchers on focused topics. Papers submitted for special sessions are to be peer-reviewed using the same criteria as for contributed papers. Researchers interested in organizing special sessions are invited to submit brief proposals to the ICICIP2027 special sessions chairs. A special session proposal should include the session title, a brief description of the scope and motivation, names, contact information, and brief biographical information on the organizers.

Topic Areas

Topics of contributing papers include, but are not limited to, the following areas:

Computer Science and Engineering

Computer networks, computer vision, pattern recognition, virtual, reality, parallel and distributed computing, high-performance computing, artificial intelligence, computer graphics, big data, cloud computing, database management systems, mobile agent computing, quality of services and communication protocol, mobile computing for e-commerce, cryptography and information security, scientific and engineering computing, hybrid computational methods, data visualization and virtual reality, web- and grid-based computing and simulation, possibility theory, Bayes network and hidden Markov models, computational intelligence, granular computing

Control and Automation

Autonomous systems, linear and nonlinear control, robust control, learning and adaptive control, intelligent control, optimization-based and optimal control, model predictive control, fault detection and identification, hybrid intelligent systems, neural control, fuzzy logic control, networked control, industrial automation, process control, robot control, mechatronic systems, vehicle control systems, intelligent transportation systems, environmental monitoring and control, intelligent manufacturing systems, microprocessor-based control, motor control, power control, vehicle control, aerospace control applications.

Signal Processing and Telecommunications

Adaptive filtering & signal processing, audio/speech processing and coding, compressive sensing and sparse representation, higher-order spectral analysis, nonlinear & blind signal processing, neural signal processing, component analysis, array signal processing, parallel and distributed processing, time series analysis, multimedia signal processing, design and implementation of signal processing systems, DSP Implementations and embedded systems, image and multidimensional signal processing, image processing & understanding, multimedia communications, next-generation wireless/wireline communications, communication signal processing, modulation and channel coding, network coding, sensor networks

Bioinformatics and Biomedical Engineering

Microarray data analysis, gene regulation, network, and pathway analysis, identification and classification of genes, protein structure prediction, next-generation sequencing and metagenomics, protein, DNA/RNA structure, function, and interactions, functional genomics and proteomics, molecular evolution and phylogeny, neuroinformatic, brain-computer interface, clinical engineering, rehabilitation engineering, neural engineering, biomedical signal analysis and modeling, bio-imaging, sensing, and data fusion, biomarker discovery, health informatics, healthcare data acquisition, analysis, and modeling, biomedical data knowledge extraction, biomedical data integration, modeling, and preprocessing, biological data mining, knowledge sharing, visualization, and knowledge utilization, biomedical data mining systems and computing platforms, electronic health record acquisition, analysis, and decision support, high performance computing for biomedical data analysis, smart clinical diagnosis and decision systems

Paper Submission

Authors are invited to submit full-length papers (the nominal number of pages is 12) by the submission deadline through the online submission system. Special session organizers are also invited to enlist six or more papers with cohesive topics to form special sessions. The submission of a paper implies that the paper is original and has not been submitted under review or is not copyright-protected elsewhere, and will be presented by an author if accepted. All submitted papers will be refereed by experts in the field based on the criteria of originality, significance, quality, and clarity. The authors of accepted papers will have the opportunity to revise their papers and incorporate the referees' comments and suggestions. Accepted papers will be submitted for inclusion into IEEE Xplore subject to meeting IEEE Xplore's scope and quality requirements. Selected high-quality papers may be included in several journal special issues.

Important Dates

Special session proposals deadline.....September 1, 2026
Paper submission deadline.....October 1, 2026
Notification of acceptance.....November 1, 2026
Camera-ready copy and author registration.....December 1, 2026

