

The 24th IEEE International Symposium on Parallel and Distributed Processing with Applications (IEEE ISPA 2026)

Kuala Lumpur, Malaysia, Dec. 27 - 30, 2026

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Call for Papers

IEEE ISPA 2026 is an international forum for original research on parallel, distributed, edge, cloud and large-scale computing systems. The conference welcomes academia and industrial researchers to share innovations on multi-core, heterogeneous clusters, P2P networks, AI computing architecture, blockchain security, big data analytics and pervasive services. ISPA series has been held annually since 2003 across Asia, Europe, Australia and North America. The conference includes oral presentations, poster sessions, tutorials, invited keynote speeches and special sessions. All accepted papers will be indexed by IEEE Xplore.

IEEE ISPA 2026 Tracks and Topics

Track 1: Systems and Architectures

- Cloud computing and data center technology
- Migration of computations
- Multi-clouds environments, cloud federation, interoperability
- Energy management and green computing
- Wireless and mobile networks
- Systems and Architectures for artificial intelligence
- Distributed/parallel algorithms and application
- Social networks, crowdsourcing, and P2P systems
- Distributed file and storage systems, I/O systems

Track 2: Technologies and Tools

- Parallel and distributed computing paradigms
- Novel parallel programming paradigms
- Programming models for cloud services
- Code generation and optimization
- Compilers for parallel computers
- Middleware and tools
- Scheduling and resource management
- Reliability, fault tolerance, and dependability
- Generative AI, agents, and world model

Track 3: Applications and Services

- High-performance scientific and engineering computing
- Grid and cluster computing
- Pervasive and ubiquitous computing
- Databases, data mining, and data management
- Big data and business analytics
- Scientific cloud systems and services
- Internet computing and web services
- Software defined network and its applications
- LLMs powered by parallel and distributed computing

Track 4: Security and Block-chain

- Security in parallel AI systems
- Federated learning
- Blockchain-based applications and services
- Blockchain security and privacy
- Blockchain in cyber physical systems
- Scalability issues in blockchain
- Blockchain in edge and cloud computing
- Blockchain-based applications and services
- Decentralized blockchain-enabled AI systems

Important Dates

Workshop Proposal Due:	20 July 2026
Regular Paper Due:	20 August 2026
Author Notification Due:	15 October 2026
Paper Registration Due	15 November 2026
Camera-ready Submission Due:	15 November 2026
Conference Date:	27-30 December 2026

Paper Submission

All papers need to be submitted electronically through the conference submission website (EDAS) in PDF format. Submitted papers must not substantially overlap with papers that have been published or that are simultaneously submitted to a journal or a conference with proceedings. A submission is limited to 8 pages for main conference regular papers, 6 pages for workshop papers or short papers in the IEEE Computer Society Proceedings Format with Portable Document Format.

Paper Publication

All accepted & presented papers are published in IEEE Conference Proceedings, indexed by IEEE Xplore.

Co-located with Four Conferences as The IEEE AI for Science Congress 2026:

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