



Special Issue on Artificial Intelligence and Advanced Computing

Call for Papers

Artificial Intelligence and Advanced Computing (AI-AC) is an interdisciplinary research paradigm nested in computer science, dedicated to theoretical modeling, algorithmic innovation, and system implementation of intelligent systems that simulate, extend, and augment human cognitive capabilities, underpinned by high-performance, low-latency, and energy-efficient computing architectures. It integrates the core logic of "intelligent algorithm design" and "advanced computing infrastructure empowerment", breaking through the computational bottlenecks of traditional rule-based systems to enable complex tasks including inductive decision-making, pattern recognition, autonomous perception, and cross-domain adaptive optimization, which serves as the foundational technical support for cutting-edge research in materials science, engineering physics, environmental statistics and other quantitative disciplines. The goal of this special issue is to provide a platform for scientists and academicians all over the world to promote, share, and discuss various new issues and developments in the area of **Artificial Intelligence and Advanced Computing**.

In this special issue, we invite front-line researchers and authors to submit original research and review articles that explore **Artificial Intelligence and Advanced Computing**. In this special issue, potential topics include, but are not limited to:

- Machine Learning & Deep Learning
- Advanced Computing Architecture & System
- Natural Language Processing
- Computer Vision & Multimodal Perception
- Data Science & Intelligent Systems
- Security, Privacy & Emerging Technologies
- Cross-domain Intelligent Systems & Embodied Intelligence

Authors should read over the journal's [For Authors](#) carefully before submission. Prospective authors should submit an electronic copy of their complete manuscript through the journal's [Paper Submission System](#).

Please kindly specify the "Special Issue" under your manuscript title. The research field "**Special Issue - Artificial Intelligence and Advanced Computing**" should be selected during your submission.

Special Issue timetable:



Submission Deadline	October 14th 2026
Publication Date	December 2026

Guest Editor:

For further questions or inquiries
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