Special Issue

Advances in Intelligent Hardware, Systems and Applications

Message from the Guest Editor

The rapid advancement of artificial intelligence (AI) and machine learning (ML) has driven the need for innovative hardware, systems, and application designs to achieve higher efficiency, scalability, and robustness. We welcome original research articles and reviews that focus on topics including, but not limited to, the following:

novel hardware accelerators for AI/ML;
reconfigurable computing;
neuromorphic computing;
edge AI/ML systems;
hardware-aware AI/ML model design;
co-design of algorithms and hardware;
heterogeneous computing;
energy-efficient systems;
AI-driven hardware optimization techniques;
automation frameworks.

Furthermore, contributions exploring real-world applications of intelligent hardware in areas such as high-energy physics, healthcare, finance, autonomous systems, quantum computing systems, and natural language processing are highly encouraged. This Special Issue aims to bridge the gap between AI/ML algorithms, hardware and systems, and practical applications, fostering interdisciplinary collaborations and promoting innovative solutions for next-generation intelligent hardware and systems.

Guest Editor

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Deadline for manuscript submissions

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About the Journal

Message from the Editor-in-Chief

The concept of *Information* is to disseminate scientific results achieved via experiments and theoretical results in depth. It is very important to enable researchers and practitioners to learn new technology and findings that enable development in the applied field.

Information is an online open access journal of information science and technology, data, knowledge and communication. It publishes reviews, regular research papers and short communications. We invite high quality work, and our review and publication processing is very efficient.

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