

Special Issue

Operationalize Edge AI for Next-Generation IoT Applications

Message from the Guest Editors

The Internet of Things (IoT) has become an integral part of our lives, enabling efficient, scalable, and intelligent systems. In parallel, Edge AI has emerged as a transformative technology for the next generation of smart IoT applications. This Special Issue highlights the critical role of Edge AI in enabling more intelligent and adaptive IoT systems. Topics of interest include advancements in TinyML for deploying AI models on edge devices, innovations in MLOps for scalable AI operations, and novel architectures for distributed AI in IoT ecosystems. Contributions that showcase real-world applications, such as in smart cities, healthcare, agriculture, and industrial automation, are particularly welcome. Additionally, this Special Issue explores the challenges of developing sustainable and secure Edge AI solutions, bridging the gap between centralized and distributed intelligence. We invite researchers, practitioners, and industry experts to share their insights and advancements in shaping the future of IoT through Edge AI technologies.

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Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

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