

## 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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### Deadline for manuscript submissions

30 June 2026



## Sensors

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