

Special Issue

Smart Sensing, Scalable Communication and Mobile Computing for AIOT

Message from the Guest Editors

Recent advances in smart sensing, scalable communication, and mobile computing are transforming the Intelligence of Things (IoT) landscape, giving rise to the next generation of Artificial Intelligence of Things (AIoT) systems. This Special Issue invites pioneering research on all aspects of AIOT applications and services. We welcome interdisciplinary contributions that advance resilient, scalable, and intelligent systems for smart cities, industrial automation, wearable ecosystems, and beyond. Topics of interest include, but are not limited to, the following areas:

- AIoT systems and applications across smart cities, industrial environments, healthcare, and other domains;
- Multimodal communication and sensing systems for context awareness and location estimation, including 6G, Wi-Fi, millimeter-wave, UWB, ultrasound, RFID, and related technologies;
- Machine learning and deep learning algorithms for perception, understanding, decision-making, and adaptive system behavior;
- Novel smart mobile applications leveraging AI and deep learning;
- Security and privacy in smart mobile applications and systems.

Guest Editors

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Deadline for manuscript submissions

closed (20 April 2026)



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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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