

# Special Issue

## IoT and Networking Technologies for Smart Mobile Systems

### Message from the Guest Editors

The rapid evolution of Internet of Things (IoT) and networking technologies has revolutionized smart mobile systems, enabling seamless connectivity, real-time data processing, and intelligent decision-making across diverse applications such as smart cities, healthcare, transportation, and industrial automation. This Special Issue aims to explore cutting-edge technologies, challenges, and future trends in IoT-driven smart mobile systems, with a focus on low-power sensing and communication, edge intelligence, collaborative learning, and 5G/6G networking.

- Ultra-low-power IoT communication (e.g., backscatter, RF harvesting) for energy-efficient edge devices.
- Mobile edge computing (MEC) for latency-sensitive AI-empowered IoT applications, including task offloading and distributed learning.
- 5G/6G-enabled IoT architectures, leveraging massive MIMO, D2D communication, and network slicing.
- AI-driven IoT optimization, covering smart sensing, QoS management, security, and resource allocation in dynamic environments.
- Heterogeneous IoT integration, addressing interoperability, scalability, and real-time sensing challenges.

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### Guest Editors

Prof. Dr. Chengwen Luo

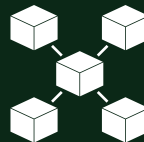
Dr. Xingyu Feng

Dr. Chao Fan

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### Deadline for manuscript submissions

20 May 2027



## Journal of Sensor and Actuator Networks

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Impact Factor 4.2  
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## About the Journal

### Message from the Editor-in-Chief

I encourage you to contribute research and comprehensive review articles for publication in Journal of Sensors and Actuator Networks (JSAN), an international, open access journal which provides an advanced forum for research findings in areas of sensors and actuators. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sensors and actuators and fostering applications of sensor-based measurements and effective actuator incorporation.

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### Editor-in-Chief

Prof. Dr. Lei Shu

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