

Special Issue

Intelligent Industrial IoT

Message from the Guest Editors

The goal of this Special Issue is to showcase the latest advancements across all areas of Intelligent Industrial IoT (IIoT). We welcome contributions covering both theoretical and technical perspectives, as well as interdisciplinary approaches, that push the boundaries of IIoT innovation. Topics of interest include, but are not limited to, the following:

- Advanced sensor technologies, intelligent sensing systems, and sensor simulation methods.
- Distributed computing frameworks, edge intelligence, and real-time industrial implementations.
- Framework design, modeling techniques, and practical applications of digital twins in industrial settings.
- New AI algorithms used in industrial applications, and next-generation industrial communication protocols enhanced by AI and machine learning.
- Autonomous robots, AGVs (Automated Guided Vehicles), and smart work cells with adaptive intelligence.
- Integration and compatibility across heterogeneous industrial platforms and equipment.
- Key techniques, frameworks, and applications of large AI models (e.g., LLMs) in industrial software.
- Automated code synthesis, AI-assisted programming, and best practices for industrial automation.

Guest Editors

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About the Journal

Message from the Editor-in-Chief

Future Internet is a fast-growing journal devoted to rapid publications of the latest results in the general areas of computer networking/communications and information systems, with a focus on the Internet of Things, big data and augmented intelligence, smart systems (in terms of technologies, architectures, and applications), network virtualization, edge/fog computing, and cybersecurity. Both theoretical and experimental papers are welcome. Every year, *Future Internet* also features Special Issues dedicated to specific topics within the journal's scope.

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