

Special Issue

AIoT-Enabled Sustainable Smart Manufacturing

Message from the Guest Editor

This Special Issue on IoT seeks to explore and present cutting-edge research on integrating Artificial Intelligence within IoT systems. Relevant topics include, but are not limited to:

- AIoT for smart manufacturing and Industry 4.0/5.0;
- Predictive maintenance via AIoT;
- Edge AI and distributed IIoT intelligence;
- Cyber-physical systems and AIoT for industrial automation;
- AI-enabled IoT logistics and supply chains;
- Energy management and sustainability in IIoT;
- Industrial robotics and collaborative AIoT systems (Cobots);
- AIoT for quality control and defect detection;
- Cybersecurity in industrial AIoT;
- AIoT for process optimization;
- AI-driven human-machine collaboration;
- AIoT for smart grids and energy distribution;
- Real-time resource allocation through AIoT in factories;
- AIoT for waste reduction and green manufacturing;
- Resilient AIoT network design;
- Smart ports and AIoT in maritime logistics;
- Self-optimizing industrial networks via AIoT.

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About the Journal

Message from the Editor-in-Chief

Editor-in-Chief

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