Special Issue

IoT Meets AI: Driving the Next Generation of Technology

Message from the Guest Editor

This Special Issue seeks to explore the convergence of IoT with cutting-edge AI technologies, focusing on how innovations like federated learning and generative AI can address the limitations of IoT while unlocking novel applications. We welcome interdisciplinary contributions that bridge IoT architectures, distributed intelligence, and modern AI frameworks, emphasizing practical use cases, theoretical advancements, and ethical considerations. Topics of interest include, but are not limited to, the following:

- **IoT Architectures and Systems**
- **AI-Driven Intelligence**
- **Federated Learning and Decentralized AI**
- **Large Language Models (LLMs) in IoT**
- **Security, Trust, and Privacy**
- **Reliability and Performance**
- **Scalability and Sustainability**
- **Emerging Trends**

We invite original research, comprehensive reviews, and case studies that highlight innovative methodologies, tools, or real-world implementations. Submissions should emphasize the synergy between IoT and modern AI techniques while addressing practical challenges and opportunities.

Guest Editor

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Message from the Editor-in-Chief

Editor-in-Chief

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Author Benefits

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indexed within ESCI (Web of Science), Scopus, EBSCO, and other databases.

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