# **Special Issue**

# IoT Meets Al: 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
- Al-Driven Intelligence
- Federated Learning and Decentralized Al
- 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 Al techniques while addressing practical challenges and opportunities.

# **Guest Editor**

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# Deadline for manuscript submissions

closed (31 October 2025)



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# **About the Journal**

# Message from the Editor-in-Chief

#### Editor-in-Chief

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

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# **Journal Rank:**

JCR - Q2 (Telecommunications) / CiteScore - Q1 (Computer Science (miscellaneous))

