# Special Issue

# Intelligent Agents for AI-Enabled IoT and Networks

## Message from the Guest Editors

The focus of our Special Issue is on the convergence of advanced AI agents with IoT and networked systems. This integration of reinforcement learning (RL) agents, game-theoretic agents, large language models (LLMs), and generative AI agents aims to significantly enhance the intelligence, scalability, and autonomy of IoT networks, ushering in a new era of smart, adaptive, and self-optimizing systems. This Special Issue will provide a comprehensive platform for researchers from academia and industry to showcase the latest advancements in the application of AI agents to IoT network systems. It will cover a broad spectrum of topics, including but not limited to the following:

- RL and Game Theory-Based Approaches for IoT Resource Management and Optimization;
- LLM-Driven Automation and Semantic Understanding in IoT Networks;
- Generative AI for Predictive Maintenance and Synthetic Data Generation in IoT Systems;
- AI-Enhanced Network Security and Privacy in Distributed IoT Architectures;
- Cooperative and Collaborative AI Models for Multi-Agent IoT Systems.

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## Deadline for manuscript submissions

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# About the Journal

## Message from the Editor-in-Chief

*Electronics* is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

## Editor-in-Chief

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