

Special Issue

Intelligent Internet of Things (IoT) and Cyber-Physical Systems (CPS)

Message from the Guest Editors

This Special Issue intends to draw academic and industrial researchers' attention to fundamental issues in intelligent IoT and CPS from a variety of viewpoints. The list of possible topics includes but is not limited to:

- Novel theories, concepts, and paradigms on the convergence of AI, edge-cloud, and IoT/CPS;
- Innovative learning models for intelligent IoT and CPS applications;
- System architectures for intelligent IoT systems and CPS;
- Collaborative learning frameworks toward the cloud-edge-end continuum;
- Security and privacy of edge/cloud computing-based learning models;
- Future-based CPS, including their experimental evaluation;
- Energy efficient operations and optimization;
- Real-time intelligent IoT applications/CPS;
- Novel collaborative frameworks/algorithms/protocols for intelligent IoT applications;
- Ultra-reliable and low latency communication protocols for intelligent IoT applications;
- Smart threat models and risk management for intelligent IoT applications/CPS;
- Federated learning and distributed learning for large scale IoT/CPS;
- artificial intelligence enabled distributed edge computing for the Internet of Things;

Guest Editors

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Deadline for manuscript submissions

closed (15 June 2023)



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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.

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