Special Issue

IoT and Distributed Computing

Message from the Guest Editors

This Special Issue aims to bring together cutting-edge research and advancements in IoT and distributed computing, focusing on novel architectures, intelligent optimization techniques, and applications in smart grids, autonomous systems, industrial automation, and large-scale cyber-physical systems. We invite researchers and practitioners to contribute original research articles and reviews covering, but not limited to, the following topics:

- Scalable IoT Architectures and Edge-Cloud Computing;
- Al-Driven Resource Allocation in Distributed IoT Networks:
- Cybersecurity and Privacy Challenges in IoT Systems;
- High-Performance Computing Techniques for Large-Scale IoT;
- Energy-Efficient Communication and Sensing Technologies;
- IoT Applications in Smart Cities, Transportation, and Healthcare:
- Reinforcement Learning-Based Optimization in IoT Environments:
- Real-World Deployment and Case Studies of IoT Systems.

Guest Editors

Dr. Xianzhong Ding

Energy Technologies Area, Lawrence Berkeley National Laboratory, 1 Cyclotron Road, Berkeley, CA 94720, USA

Dr. Kang Yang

Electrical and Computer Engineering, University of California, Los Angeles, CA 90095, USA

Deadline for manuscript submissions

31 August 2025



loT

an Open Access Journal by MDPI

CiteScore 8.5
Tracked for Impact Factor



mdpi.com/si/230698

IoT MDPI, Grosspeteranlage 5 4052 Basel, Switzerland Tel: +41 61 683 77 34 iot@mdpi.com

mdpi.com/journal/ loT





loT

an Open Access Journal by MDPI

CiteScore 8.5
Tracked for Impact Factor



About the Journal

Message from the Editor-in-Chief

Editor-in-Chief

Prof. Dr. Amiya Nayak

School of Electrical Engineering & Computer Science, University of Ottawa, 800 King Edward Avenue, Ottawa, ON K1N 6N5, Canada

Author Benefits

High Visibility:

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

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 27.8 days after submission; acceptance to publication is undertaken in 4.8 days (median values for papers published in this journal in the second half of 2024).

Journal Rank:

CiteScore - Q1 (Computer Science (miscellaneous))

