Special Issue

Intelligent IoT Systems with Mobile/Multi-Access Edge Computing (MEC)

Message from the Guest Editors

New technologies such as mobile and multi-access edge computing (MEC) have gained significant attention in recent years, offering flexible and viable solutions that overcome the limitations of centralized cloud computing. In this Special Issue, original research articles and reviews focusing on the support of intelligent IoT solutions and edge computing are welcome. Research areas may include (but are not limited to) the following:

- Novel system architectures for the support of intelligent IoT applications at the edge;
- New programming models for intelligent IoT applications in the compute continuum;
- Novel intelligent IoT applications/services on top of MEC platforms;
- Experimental performance evaluation/trials of MEC-enabled intelligent IoT applications;
- Service/resource management and orchestration solutions for the support of intelligent IoT services/applications at the edge;
- Applications of (distributed) machine learning (ML) techniques for the edge, e.g., federated learning, split learning, etc.;
- Software optimizations for the support of AI/ML workloads at the edge, e.g., Tiny ML applications.

We look forward to receiving your contributions.

Guest Editors

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Deadline for manuscript submissions

closed (15 May 2025)

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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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