Special Issue

Fog/Edge/Cloud Computing in the Internet of Things

Message from the Guest Editors

In recent years, fog/edge computing has been emerging as complementary computing paradigms that leverage computing and storage resources at the network edge to decrease the latency of artificial intelligence (AI) applications, protect data privacy, improve workload scheduling performance, etc. In IoT, users or service providers can choose to run different IoT application tasks at the edge for faster processing or upload them to the cloud infrastructures for more robust results based on specific requirements. This Special Issue aims to address issues in the state-of-the-art fog/edge/cloud computing approaches and techniques applicable to the Internet of Things, providing cross-disciplinary ideas to address present and future challenges. Topics of interest include, but are not limited to, the following:
Fog/edge/cloud computing-based IoT frameworks and architectures design.
Distributed network communication protocols.
Fog/edge/cloud computing for IoT data processing, modelling, and analysis.
Workload scheduling.
Privacy preserving.
Anomaly detection.
Hardware-assisted design.
Network traffic prediction and optimization.

Guest Editors

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Deadline for manuscript submissions

closed (15 October 2024)

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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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manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.8 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the first half of 2025).

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