Special Issue

Fog/Cloud/Edge Computing in IoT

Message from the Guest Editor

The rapid development of Internet of Things (IoT) technology has led to enormous volumes of data being generated by interconnected devices. Fog, cloud, and edge computing have emerged as crucial paradigms with which to efficiently handle, process, and analyze this vast amount of data. It also involves optimizing applications through Artificial Intelligence, Deep Learning, and Computer Vision. The current Special Issue aims to explore the academic and industry-based advancements, challenges, and innovations in leveraging fog, cloud, and edge computing within the IoT ecosystem using intelligent and secure techniques. This Special Issue seeks original research, review articles, and case studies addressing, but not limited to, the following topics:

- Internet of Things and Industry 5.0;
- Architecture and frameworks for integrating fog, cloud, and edge computing in IoT;
- Edge intelligence, Blockchain, and analytics for IoT applications;
- Security and privacy considerations in fog, cloud, and edge environments;
- Resource management and optimization in distributed IoT systems;
- Edge-to-cloud communication protocols and standards;

Guest Editor

Dr. Muddesar Iqbal

School of Engineering, London South Bank University, London SE1 0AA, UK

Deadline for manuscript submissions

closed (15 August 2024)

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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

Prof. Dr. Flavio Canavero
Department of Electronics and Telecommunications, Politecnico di Torino, 10129 Torino, Italy

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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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