Special Issue

Embedded Devices in IoT

Message from the Guest Editor

In this Special Issue, we focus on embedded device usage in IoT. General topics covered in this Special Issue include, but are not limited to the following:

- New sensor/actuator design for IoT
- Wireless sensor network design and implementation for IoT systems
- Microcontroller design and performance analysis within IoT applications
- Application-specific hardware designs (e.g., FPGAbased implementations) for IoT
- Hardware-software co-design for IoT systems and applications
- Real-time data analytics using embedded devices
- Efficient and accurate machine learning usage with embedded devices
- Edge computing using embedded devices
- Novel security and privacy methods leveraging embedded device hardware and/or software
- Embedded system design addressing one or more of the following IoT issues: energy-efficiency, resiliency, scalability, longevity, cost, device heterogeneity, and standardization
- Emerging IoT applications using new generation embedded devices

Welcome to contribute!

Guest Editor

Dr. Baris Aksanli Electrical and Computer Engineering, San Diego State University, San Diego, CA, USA

Deadline for manuscript submissions

closed (31 August 2020)



Electronics

an Open Access Journal by MDPI

Impact Factor 2.6 CiteScore 6.1



mdpi.com/si/30544

Electronics Editorial Office MDPI, Grosspeteranlage 5 4052 Basel, Switzerland Tel: +41 61 683 77 34 electronics@mdpi.com

mdpi.com/journal/

electronics





an Open Access Journal by MDPI

Impact Factor 2.6 CiteScore 6.1



electronics



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 guestedited 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

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), CAPlus / SciFinder, Inspec, Ei Compendex and other databases.

Journal Rank:

JCR - Q2 (Engineering, Electrical and Electronic) / CiteScore - Q1 (Electrical and Electronic Engineering)

Rapid Publication:

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).