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., FPGA-based 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

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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.

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