

Special Issue

Advanced Internet of Things (IoT): Sensing Techniques, Hardware, and Software Architectures for the Next Generation Internet of Things

Message from the Guest Editors

Internet of Things technologies are one of the major drivers of the technological transformation that we are experiencing in practically almost every sector of industry and economy, including smart cities, smart buildings, e-health, smart mobility, smart factories, smart appliances and even education. The number of interconnected smart devices is increasing exponentially, according to CISCO, there will be 500 billion interconnected devices by 2030. In this Special Issue, we aim to collect high-quality submissions that target the most relevant practical engineering, and theoretical aspects behind the next-generation Internet of Things. The topics of interest include but are not limited to:

- Smart sensing low-environmental impact materials for IoT
- Printable electronics for IoT
- Hybrid printable-silicon circuits for IoT
- Energy-scavenging techniques for IoT devices
- Low-power machine-to-machine protocols and wireless sensor networks
- Novel fog and edge architectures
- Embedded AI
- Novel security techniques for IoT and embedded devices
- Industrial IoT (IIoT)

Guest Editors

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Deadline for manuscript submissions

closed (15 June 2023)



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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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