



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

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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)





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Message from the Editor-in-Chief

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