



Advances in Internet of Things Sensors

Guest Editors:

Dr. Mingjing Cai

Dr. Mingyi Liu

Prof. Dr. Biao Wang

Dr. Xin Li

Deadline for manuscript
submissions:

15 October 2024

Message from the Guest Editors

Dear Colleagues,

Connecting billions of devices, the Internet of Things (IoT) has brought us into a new era of ubiquitous computing, sensing, and communication. While a great number of distributed IoT sensors demonstrate great potential in a variety of applications, generating sustainable power supply for these sensors is the challenge.

This Special Issue aims to highlight the advances in cutting-edge technologies that may enable battery-free IoT sensors and systems in the future. Original and review articles discussing the latest research into battery-free IoT sensors are welcome. The focus of this Special Issue includes, but is not limited to, the following areas:

- Energy harvesting systems for IoT sensors;
- Theoretical modeling of energy harvesting systems;
- Low-power and efficient interfaces or power management circuits;
- Novel IoT sensors for battery-free IoT systems;
- Wireless-sensor networks;
- Intelligence algorithms for IoT applications;
- Low-power computing and communication methods for IoT systems;





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Flavio Canavero

Department of Electronics and
Telecommunications,
Politecnico di Torino, 10129
Torino, Italy

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

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

Journal Rank: JCR - Q2 (*Physics, Applied*) / CiteScore - Q2 (*Control and Systems Engineering*)

Contact Us

Electronics Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/electronics
electronics@mdpi.com
[X@electronicsMDPI](https://x.com/electronicsMDPI)