

Special Issue

Green Internet of Things and Machine to Machine Protocol Architectures

Message from the Guest Editors

Sustainable IoT techniques and models are garnering more and more attention among the scientific community. The effects of global warming are becoming tangible and calls for urgent solutions also from the ICT sector. The IoT must be part of this shift towards a more sustainable approach in application development. Some scientific efforts have already been done, but we're still scratching the surface of what will be the green IoT of the future. There's a need for models, methodologies, and techniques to improve the sustainability of IoT applications in every phase. Additionally, the manufacturing and disposal of IoT devices should be taken into account, as every device has an embodied carbon that requires to extend device life as much as possible. The aim of this Special Issue is to publish and spread the most groundbreaking research works in this area, including, but not limiting to, the following: IoT energy patterns, energy efficiency, green AI on IoT, carbon intensity driven use cases, carbon-aware workload management, carbon-aware M2M protocols, green software development, experiments, and assessment.

Guest Editors

Dr. Roberto Vergallo

Dr. Luca Mainetti

Dr. Manco Luigi

Deadline for manuscript submissions

closed (15 May 2024)



Electronics

an Open Access Journal
by MDPI

Impact Factor 2.6
CiteScore 6.1



mdpi.com/si/154208

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

[mdpi.com/journal/
electronics](https://mdpi.com/journal/electronics)





Electronics

an Open Access Journal
by MDPI

Impact Factor 2.6
CiteScore 6.1



[mdpi.com/journal/
electronics](https://mdpi.com/journal/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 guest-edited 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), CAPus /
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).