

Special Issue

Green Internet-of-Thing Design and Modeling in AI and 5G Ecosystems

Message from the Guest Editor

This Special Issue will demonstrate how novel interactive electronics technologies and intelligent communication solutions can be designed and exploited for achieving energy-efficient, low-cost but sustainable IoT to tie in with AI algorithms compounded in edge or cloud computing resources. The topics of interest include, but are not limited to:

- Battery-free hardware and power-optimizing firmware design and modeling;
- Energy-harvesting technologies for sustainable IoT applications;
- AI-aided system infrastructure maintenance optimization;
- AI-aided power management system design;
- Energy-efficient communication design and modeling for multiscale data acquisition;
- Adaptive and feasible design and modeling with off-the-shelf device utilization;
- Infrastructure-less architecture design and modeling for intelligent services;
- Edge-based AI utilization;
- Edge-cloud interaction for optimized off-loading;
- Mobile-assisted environmental sensing and crowdsourcing;
- Mobile-assisted user activity sensing.

Welcome to contribute.

Guest Editor

Prof. Dr. Soochang Park

Department of Computer Engineering, Chungbuk National University,
Chungbuk 28644, Republic of Korea

Deadline for manuscript submissions

closed (31 December 2021)



Electronics

an Open Access Journal
by MDPI

Impact Factor 2.6
CiteScore 6.1



mdpi.com/si/49499

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), CAPlus /
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).