

Special Issue

Energy-Aware and Efficient Computing and Communications, Volume II

Message from the Guest Editors

Recently, power and energy consumption has become an issue because of mobile devices, high-performance computing systems, and various communication systems. For example, data centers consume huge amounts of electricity in operating massive numbers of servers and networking devices. Embedded systems for vehicles and mobile systems are energy constrained and therefore need energy awareness and efficient operation of resources to minimize the power/energy consumption. There are many efforts to efficiently use energy (e.g., smart and micro grids). Additionally, many people and institutions are looking at Green IT, where using less energy to conserve our planet and reducing pollution is the objective. It has become essential to design and build systems that reduce or efficiently use power/energy. Topics include but are not limited to:

- energy-aware computing
- energy-aware communication systems
- power efficient circuit design
- power efficient embedded systems
- green IT
- green IoT
- energy-efficient communication
- green communications
- energy-aware mobile platforms
- energy-aware machine learning and neural networks
- artificial intelligence techniques for energy-aware computing

Guest Editors

Prof. Dr. Sean (Seok-Chul) Kwon

Prof. Dr. Jong Kook Kim

Dr. Joongheon Kim

Deadline for manuscript submissions

closed (31 August 2023)



Electronics

an Open Access Journal
by MDPI

Impact Factor 2.6
CiteScore 6.1



mdpi.com/si/119324

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).