

## Special Issue

# Current Status and Development Direction of Cloud Computing Application in IoT

### Message from the Guest Editors

Driven by the need for data collection and analysis in IoT applications, the integration of cloud computing and IoT has become an inevitable trend. Consequently, numerous cloud providers, telecom companies, and computer vendors worldwide have introduced solutions that enable cloud platforms to support IoT ecosystems. This convergence represents a paradigm shift, transforming industries and driving innovation. The emergence of edge computing and fog computing has further strengthened the capabilities of the aforementioned technology combinations, and the integration of these technologies enables unprecedented capabilities, including high levels of automation and intelligence, real-time data processing, scalable storage solutions, and enhanced connectivity. This Special Issue aims to provide a comprehensive overview of the latest advancements, challenges, and future directions in this dynamic field, and seeks original unpublished papers addressing recent advancements and research results in the design and development for the convergence of cloud computing and IoT.

### Guest Editors

Dr. Hsin-Ta Chiao

Department of Computer Science, Tunghai University, Taichung 407224, Taiwan

Prof. Dr. Yue-Shan Chang

Department of Computer Science and Information Engineering, National Taipei University, New Taipei City 23741, Taiwan

### Deadline for manuscript submissions

15 October 2025



## Electronics

an Open Access Journal  
by MDPI

Impact Factor 2.6  
CiteScore 6.1



[mdpi.com/si/213645](https://mdpi.com/si/213645)

*Electronics*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[electronics@mdpi.com](mailto: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).