

Special Issue

Big Data Technology in Wireless Networks

Message from the Guest Editors

When evolving to 6G networks, mobile wireless networking will transform from “connecting things” to “connecting intelligence”. To adapt to this trend, wireless devices need to not only be able to conduct efficient, robust communications but also complete complex services for smart applications. However, current wireless networks are trapped in delivering the massive number of signals while assuring their accuracy, but the limited resources block this evolution. Big data technology is a persistently developing paradigm to process the massive number of signals, which motivates the network’s functions shifting from “transmit every bit” to “what and how to transmit”. In particular, big data technology will allow intelligent devices to preprocess information according to the environment and service requirements and forward critical information more efficiently and accurately, which can then support complicated artificial intelligence tasks. However, there are still many fundamental problems that need to be solved to accommodate big data processing and communications towards a 6G network.

Guest Editors

Prof. Dr. Qinghe Du

Dr. Dawei Wang

Dr. Wenjia Li

Deadline for manuscript submissions

closed (15 October 2023)



Electronics

an Open Access Journal
by MDPI

Impact Factor 2.6
CiteScore 5.3



mdpi.com/si/160172

Electronics
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 5.3



[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 (Physics, Applied) / CiteScore - Q2 (Control and Systems 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 2.6 days (median values for papers published in this journal in the first half of 2024).