

Special Issue

5G Mobile Telecommunication Systems and Recent Advances

Message from the Guest Editors

In this "Special Issue", the special focus is on improving the performance of the 5G system (improvement of link capacity, reduction of interference, fading, more efficient handover...), concrete applications of 5G telecommunication systems in modern industry, hybrid communications (integration) with other complementary telecommunication systems and application of modern AI/ML/Big data methods for processing the collected data and improving the performance of both the 5G network and services. Topics of interests include but not limited to:

- 5G based IoT applications in Smart cities, agriculture and Industry 4.0
- 5G link analysis, spectral efficiency, link adaptation
- Link/Cell/Network level simulations
- Hybrid communications
- Satellite communication links integration into the 5G ecosystem
- Vertical and horizontal handovers improvements
- MIMO communications, channel modeling, simulations
- V2V communications
- AI and ML technologies in 5G
- Big data technologies in 5G
- Digital Twins in 5G and beyond
- Network slicing in 5G and beyond

Guest Editors

Dr. Dejan Dragić

Dr. Zoran Cica

Dr. Philipp Svoboda

Deadline for manuscript submissions

15 February 2025



Electronics

an Open Access Journal
by MDPI

Impact Factor 2.6
CiteScore 5.3



mdpi.com/si/135908

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), CAPus /
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).