

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

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Deadline for manuscript submissions

closed (15 February 2025)



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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.

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