Special Issue

5G Mobile Communication for Intelligent Applications

Message from the Guest Editor

This Special Issue calls for high-quality unpublished research works on recent advances related to the application and deployment of AI-enabled, 5G-driven mobile networks. Open research problems, performance evaluation, and comparisons with existing solutions, theoretical as well as experimental studies, and use cases enabled by recent advances in 5G mobile communications are encouraged. High-quality review papers are also welcomed. Potential topics include but are not limited to the following:

- Theoretical approaches and methodologies for AI-enabled 5G networks;
- AI for 5G network management;
- AI-based security applications in 5G networking;
- AI-enabled dynamic network slicing;
- AI-enabled security methods for IoT, SDN, NFV;
- AI-based network authentication approaches;
- Energy-efficient network operation in the IoT;
- AI to address heterogeneity in 5G networks.

Guest Editor

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Deadline for manuscript submissions

closed (31 December 2023)

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About the Journal

Message from the Editor-in-Chief

Editor-in-Chief

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Author Benefits

High Visibility:

indexed within ESCI (Web of Science), Scopus, EBSCO, and other databases.

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 25.7 days after submission; acceptance to publication is undertaken in 3.9 days (median values for papers published in this journal in the first half of 2025).

Journal Rank:

JCR - Q2 (Telecommunications) / CiteScore - Q1 (Computer Science (miscellaneous))