Special Issue

Advances in 5G and Beyond Mobile Communication

Message from the Guest Editors

This Special Issue aims to collect high-quality and original contributions that explore breakthroughs in mobile communication technologies spanning across theoretical models, simulation studies, experimental platforms, and system-level evaluations. We particularly welcome contributions that address challenges in spectrum efficiency, massive connectivity, end-to-end latency reduction, and physical layer security through the integration of intelligent and software-defined technologies. Topics of interest for this Special Issue include:

- AI/ML and Deep Reinforcement Learning for B5G resource optimization;
- Wireless Sensing and Integrated Sensing and Communication (ISACs);
- Software-Defined Networking (SDN) and Virtualized RAN in 5G/B5G;
- 6G communications;
- Energy-efficient MAC and PHY layer designs for future networks;
- End-to-end ML pipelines for real-time adaptation in mobile networks.

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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.

Editor-in-Chief

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