

Special Issue

Advances and Challenges in Future Networks

Message from the Guest Editors

To address the importance of advancing future networks, this Special Issue aims to collect recent developments in communication systems that concentrate on novel optimization approaches, network designs, protocols, and technologies for future networking. Potential topics for inclusion in this Issue include, but are not limited to, the following:

- Advanced radio resource management for 5G and beyond;
- Mathematical optimization for wireless communications;
- Distributed, centralized, and hybrid algorithms for future networking;
- Wireless power transfer and energy harvesting techniques;
- Energy-efficient communication schemes;
- Distributed learning and game theory for wireless communications;
- Model-based and data-driven network controls;
- Deep reinforcement learning enabled intelligent networks;
- AI-driven optimization technologies;
- Recent advances on Vehicle-to-Everything networks;
- Novel designs of massive MIMO, MU-MIMO, Multi-RAT systems;
- Advanced beamforming and signal processing techniques;

We look forward to receiving your contributions.

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Deadline for manuscript submissions

closed (15 January 2024)



Electronics

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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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