

Special Issue

Advances in UAV-Assisted Wireless Communications

Message from the Guest Editors

This Special Issue aspires to foster a deeper understanding of UAV-based communication technologies and their role in shaping resilient, scalable, and intelligent wireless networks. Bringing together a diverse range of research and practical insights aims to pave the way for innovative solutions and inspire advancements that redefine the wireless communications landscape. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

- UAVs and 5G/6G networks;
- UAVs as aerial base stations;
- Energy efficiency in UAV networks;
- AI in UAV communication systems;
- Interference management;
- UAV trajectory planning;
- Security in UAV-based communications;
- UAV-enabled IoT connectivity;
- Hybrid terrestrial-satellite-UAV systems;
- Disaster response and emergency communication.

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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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