

Special Issue

Advanced Technologies in UAV-Assisted Cellular Communications

Message from the Guest Editor

The goal of this Special Issue is to provide a platform for researchers and practitioners to share their insights, experiences, and to facilitate discussions on the potential applications and challenges of UAV-assisted cellular communications. The aim of this Special Issue is to advance our understanding of the potential of UAVs in providing cellular coverage and to contribute to the development of new and innovative technologies in this field. Potential topics include, but are not limited, to the following:

- Integration of 5G/6G technology in UAV-assisted cellular networks;
- Beamforming techniques for UAV-assisted cellular communications;
- Machine learning algorithms for autonomous UAV control in cellular networks;
- Network architectures and protocols for UAV-aided communication networks;
- UAV-assisted Internet of Things (IoT) connectivity and sensor networks;
- Hybrid satellite-aerial-terrestrial and non-terrestrial network architectures;
- 5G/6G networks for traffic management in UAV-based IoT;
- Opportunities and challenges in joint sensing and communication with UAVs;

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Guest Editor

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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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