Special Issue

UAV Communications

Message from the Guest Editor

With the recent development in multiple/swarm unmanned aerial vehicles (UAV) and beyond-line-of-sight (BLOS) UAV systems, the communication between UAVs and ground control stations isof critical importance. The currently available communication modules are restricted by the short communication range, low bandwidth, high delay, and the number of supported nodes. At the same time, the recent progress in wireless ad hoc networks, mmWave communications, 5G networks, and data-driven design methods provides new insight into UAV communications. The new communication methods may also lead to more types of UAV applications. This Special Issue aims to provide a collection of state-of-the-art UAV communication and networking methods, including, but not limited to, the following keywords:

- multiple-UAV communications;
- adaptive communication network;
- wireless ad hoc networks;
- 5G-supported UAV communications;
- UAV-to-X communications;
- communication for robot swarm;
- data-driven design method;
- high-definition video transmission;
- routing and scheduling;
- antenna design.

Guest Editor

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Deadline for manuscript submissions

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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 guestedited by leading experts in selected topics of interest.

Editor-in-Chief

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