Special Issue

Unmanned Aerial Vehicle-Assisted Cooperative Air and Ground Communications

Message from the Guest Editors

This Special Issue targets novel scientific ideas, schemes, results, possible applications, and new challenges and perspectives devoted to the UAV assistance paradigm and everything around UAV networks. The particular topics of interest for this SI include but are not limited to:

- Networking solutions for UAV-assisted communications.
- Cloud, fog, and edge computing architecture for UAV-assisted systems.
- SDN and NFV for UAV communications.
- Positioning and trajectory optimization for UAV-assisted systems.
- Machine learning algorithms for UAV-assisted systems.
- UAV-to-everything (U2X).
- Test bed and validation for UAV-assisted systems.
- Energy efficiency in UAV-assisted applications.
- Energy harvesting in UAV-assisted systems.
- Mobile edge computing in UAV-assisted systems.
- NDN in UAV-assisted systems.
- Data gathering in UAV-assisted networks.
- Security, trust, and privacy in UAV-assisted networks.
- UAV–UGV coordination.
- UAV–IoT networks.
- UAV-enabled smart city.
- UAV-assisted VANETs, MANETs, WSNs, and cellular networks.

Guest Editors

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Deadline for manuscript submissions

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About the Journal

Message from the Editor-in-Chief

Drones is the only international open-access journal about the science, policy and technology of drones and its applications. Nowadays, the proliferation of drones is a reality for local policy makers, regulatory bodies, mapping authorities, startups and consolidated companies. There are many uses and benefits of drones: from the emergence of new sensors and the evolution of new platforms; to the development of specific software and the emergence of new applications. *Drones* publishes reviews, regular research papers, communications and short notes, without restriction on the length of papers. *Drones* seeks to provide a central forum for scholars engaged in drones' research and applications.
There is a need for high quality papers in this area and the *Drones* Editorial Board are widely recognized international leaders. *Drones* journal guarantees a serious peer review and a rapid publication across the whole discipline of drones.

Editor-in-Chief

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