

## Special Issue

# UAVs Communications for 6G

### Message from the Guest Editors

The integration of UAVs into 6G calls for a paradigm shift on the design of both cellular and UAV communications systems due to the high altitude and mobility of UAVs, the unique channel characteristics of UAV-ground links; the asymmetric quality of downlink and uplink data transmission; the stringent constraints imposed by the size, weight and power limitations of UAVs; as well as the intra-system and inter-system interference of the integrated networks. In order to provide users with smooth service experience and improve the resource utilization of integrated UAVs and 6G networks, the emergence of new theories, architectures and technologies such as the mechanisms of cognition for wireless and actual environment, data-driven intelligent learning mythologies, self-optimization and control need to be investigated and implemented. Therefore, prospective authors with original research articles and reviews are invited to submit articles on the topic of “UAVs Communications and signal processing for 6G”.

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### Guest Editors

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Prof. Dr. Guan Gui

Dr. Xue Wang

Dr. Yuanyuan Yao

Prof. Dr. Zhiyong Feng

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### Deadline for manuscript submissions

closed (1 December 2023)



## Drones

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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.

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### Editor-in-Chief

Prof. Dr. Diego González-Aguilera

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