Special Issue

UAV Positioning: From Ground to Sky

Message from the Guest Editors

Unmanned aerial vehicles (UAVs) have become an invaluable tool for numerous remote sensing applications. Many of these applications require knowledge of the UAV position with high accuracy (e.g., airborne radar systems). This Special Issue aims to explore high-accuracy positioning systems for UAVs, focusing on the latest advances in both hardware and soware. Application oriented manuscripts are also encouraged, provided highaccuracy positioning is essential for the application. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

- Positioning sensors: GNSS, RTK, PPK (post-processing kinematic), PPP (precise point positioning); optical-based positioning; depth cameras; LIDAR (light detection and ranging); radar-based positioning.
- Sensor fusion (e.g., IMU + RTK).
- Indoor, outdoor, and indoor–outdoor systems.
- Applications where high positioning accuracy is required: radar (e.g., enabling synthetic aperture radar approaches), antenna measurement, mapping, among others.

We look forward to receiving your contributions.

Guest Editors

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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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