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 software. Application-oriented manuscripts are also encouraged, provided high-accuracy 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

Remote Sensing is now a prominent international journal of repute in the world of remote sensing and spatial sciences, as a pioneer and pathfinder in open access format. It has highly accomplished global remote sensing scientists on the editorial board and a dedicated team of associate editors. The journal emphasizes quality and novelty and has a rigorous peer-review process. It is now one of the top remote sensing journals with a significant Impact Factor, and a goal to become the best journal in remote sensing in the coming years. I strongly recommend *Remote Sensing* for your best research publications for a fast dissemination of your research.

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