Special Issue

Global Navigation Satellite System for Unmanned Aerial Vehicle

Message from the Guest Editors

This Special Issue invites recent contributions related to the different aspects of GNSS for UAVs, including but not limited to: positioning in challenging environments, advanced estimation techniques, filtering and optimization methods for positioning such as Kalman filter and factor graph optimization, fault detection and exclusion, GNSS precise positioning, signal propagation modelling and simulation, cooperative positioning, machine learning or deep-learning-aided GNSS, GNSS-involved multi-sensor integrated system, GNSS-integrated simultaneous localization and mapping (SLAM), GNSS-related UAV control or path planning, GNSS spoofing detection, and other cutting-edge techniques such as 3D-mapping-aided GNSS.

- UAV
- GNSS
- urban positioning
- multipath
- Kalman filter
- factor graph
- fault detection and isolation
- precise positioning
- simultaneously localization and mapping (SLAM)
- cooperative positioning
- machine learning
- multi-sensor integration
- spoofing detection

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