Special Issue

Multi-Sensor Fusion Technology in Remote Sensing: Datasets, Algorithms and Applications

Message from the Guest Editors

Multi-sensor fusion technology is commonly used in various real-world applications, such as remote sensing, military, robotics, and autonomous driving. Extensive research has been dedicated to the effective use of intelligent and advanced multi-sensor fusion methods for accurate monitoring, complete information acquisition, and optimal decision-making. However, the multi-sensor fusion methods suffer from three main challenges: (1) the automatic calibration of sensors for bringing their readings into a common coordinate frame, (2) the feature extraction from various types of sensory data, and (3) the selection of a suitable fusion level. The aim of this Special Issue is to give the opportunity to explore these challenges in multi-sensor fusion for remote sensing. The topics in the Special Issue include, but are not limited to, multi-sensor, multi-source, and multi-process information fusion. Articles are expected to emphasize one or more of three facets: data, architectures, and algorithms. The applications of various multi-sensor fusion technologies and of various systems are also welcome.

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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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