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Multi-Platform and Multi-Modal Remote Sensing Data Fusion with Advanced Deep Learning Techniques

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Deadline for manuscript submissions:
closed (29 February 2024)

Message from the Guest Editors

Dear Colleagues,

Recent advances in sensor and aircraft technology have enabled us to acquire vast amounts of different types of remote sensing data for Earth observation. These multi-source data make it possible to obtain diverse information about the Earth's surface. For instance, multispectral and hyperspectral images can provide rich spectral information on ground objects, panchromatic images can reach fine spatial resolutions, synthetic aperture radar (SAR) data can be used to map different properties of the terrain, while laser imaging detection and ranging (LIDAR) data can reveal the elevation of land covers. However, a single source of data can no longer meet the needs of subsequent processing, such as classification, object detection/tracking, super-resolution, and restoration.

For this Special Issue, we are soliciting original contributions (including high-quality original research articles, reviews, theoretical and critical perspectives, and viewpoint articles) from pioneering researchers on the fusion of multi-platform and multi-modal remote sensing data, which exploit advanced deep learning techniques to address the aforementioned theoretical and practical problems.

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Editor-in-Chief

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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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