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Pan-Sharpening Methods for Remotely Sensed Images

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Message from the Guest Editors

Dear Colleagues,

This Special Issue focuses on the fusion of data acquired by multiple remote sensors for the construction of high quality synthetic images.

Pan-sharpening methods constitute a successful application of this methodology, which stimulated the development of a large class of algorithms exploitable for combining different kinds of data. In addition to optical multispectral and hyperspectral data, these fusion techniques apply to thermal data, as well as to the fusion of heterogeneous data acquired by sensors of different nature, such as RADAR or LiDAR. The utilization is not limited to single pairs of images, but also includes sequences of images or videos.

The application field is very wide, embracing the accurate representation of the Earth surface for human visual interpretation, object recognition, land cover analysis and monitoring, agriculture, archeology, soil moisture estimation, water resource management, digital elevation and surface models construction, and so on.

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Message from the Editorial Board

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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