Pan-Sharpening Methods for Remotely Sensed Images

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Deadline for manuscript submissions:
closed (30 June 2023)

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.

Special Issue

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Message from the Editor-in-Chief

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