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Deep Learning for the Analysis of Multi-/Hyperspectral Images II

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Message from the Guest Editors

Dear Colleagues,

Unlike human eyes, which can only be exposed to visible light, multi-/hyperspectral imaging is an imaging technique used for the collection and processing of information across a large portion of the electromagnetic spectrum. Multi-/hyperspectral images have strong spectral diagnostic potential to distinguish materials that, to humans, look similar. Over the past few years, deep learning has been powering many aspects of remote sensing image processing applications ranging from low-level restoration to high-level analysis, and remarkable breakthroughs have been achieved using deep-learning-based approaches.

Articles for this Special Issue on deep learning for the analysis of multi-/hyperspectral images may address, but are not limited to, the following topics:

- Spatial/spectral super-resolution;
- Image fusion/pansharpening;
- Image denoising/destriping;
- Image registration/matching;
- Compressive sensing;
- Computational imaging;
- Image/sense classification;
- Object detection;
- Clustering;
- Segmentation

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Message from the Editor-in-Chief

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