



Intelligent Hyperspectral Image Compression Using Machine Learning

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Message from the Guest Editor

Hyperspectral imaging technologies have been widely used in many remote sensing applications, resulting in large quantities of hyperspectral image datasets. Efficient acquisition, storage, and transmission of these massive image datasets becomes very challenging, especially for many onboard applications with severely constrained computing resources and communication bandwidths.

This Special Issue is devoted to novel compression techniques for hyperspectral image data using machine learning. We solicit your contributions addressing applications of machine learning to hyperspectral data compression based some of the following methods:

- Statistical machine learning
- Supervised machine learning
- Unsupervised machine learning
- Semisupervised machine learning
- Reinforcement machine learning
- Transfer learning
- Active learning
- Online learning
- Other machine learning methods





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Message from the Editor-in-Chief

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