Special Issue

Intelligent Hyperspectral Image Compression Using Machine Learning

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

Guest Editor

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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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