Special Issue

Computational Intelligence in Hyperspectral Remote Sensing

Message from the Guest Editors

The recent advances of hyperspectral imaging missions (PRISMA, ENMAP, EMITS, HYPERSCOUT) are enabling access to a large variety and increased quality of hyperspectral data. Recently, also, new upcoming operational hyperspectral missions such as CHIME and SBG will pave the way to increase the pool of available and to-be-processed data. The amount of data continuously generated and/or available in an increasing data pool is creating great challenges, such as in-time data dissemination, complex dimensionality of datasets and structures, and the large variety of data quality and user end-product requirements. There are no other means than applying computational intelligence to address challenges so that certain elements in the product generation chain can be addressed. A fundamental need is the access to improved hyperspectral data processing technologies to pave the way toward operational retrieval across a large variety of applications. This Special Issue of Remote Sensing will allow invited authors to publish recent advances related to: Increased onboard satellite processing. Increased on-ground hyperspectral data processing capability using advanced algorithms and technologies.

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Message from the Editor-in-Chief

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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