



Recent Trends and Advances of Hyperspectral Image in Remote Sensing

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Message from the Guest Editor

Hyperspectral imaging is now a fully operational tool for remote sensing but still continues to be a very active research area, both in the field of data processing and instrumental development. For a few years, visible and near-infrared instruments have been available off-the-shelf, either ground-based, on UAVs, or airborne, and several civilian hyperspectral satellites are nowadays operational. Besides, hyperspectral systems in the mid-wave or long-wave domain, combined with polarization measurements, or active hyperspectral imaging, are not yet as widespread as visible passive devices. There are consequently many efforts to design innovative instruments, as hyperspectral imaging is remarkable by the diversity of proposed optical architectures, both of the core spectroscopic components (diffraction grating, two-wave interferometer, tunable spectral filter, multilayer deposited filter, photonic integrated circuit, and so on) and about the way to use it.





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Message from the Editor-in-Chief

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