Special Issue

Long-Wave-Infrared Hyperspectral Imaging Process

Message from the Guest Editors

Long-Wave-InfraRed (LWIR) HyperSpectral Imaging (HIS) sensors provide heat maps, usually in temperature magnitudes, of the scene under analysis. Heat maps provide valuable information for both commercial and scientific fields. The LWIR spectral region extends typically from 8 to 14 μm with the potential through its use to perform mineral and soil analysis; to estimate vegetation density and land cover type; to detect and identify gas or smoke (fire detection); to calculate land surface temperature; to detect signs of an Urban Heat Island; and to prevent and maintain buildings, civil and industrial infrastructure, and cultural heritage in optimal conditions. This Special Issue provides a platform for researchers to publish their studies and present innovative and cutting-edge research results related to the LWIR HIS application in different fields of remote sensing, including geography, land surveying, energy applications, sustainable cities, forest and urban fires, and Earth science.

Guest Editors

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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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