Real-Time Processing of Remotely-Sensed Imaging Data

Message from the Guest Editors

Dear Colleagues,

This Special Issue of Remote Sensing is devoted to presenting state-of-the-art research on the real-time, or near-real-time processing of imaging data (including, among others, multispectral, hyperspectral, ultraspectral, SAR, LiDAR, PolSAR) captured from remote sensing platforms. Papers are solicited on, but not limited to, the following research topics:

- Low computational complexity and hardware-friendly algorithms for the real-time processing, analysis and/or compression of remotely-sensed images.
- Hardware/software embedded systems for on-board real-time processing, analysis and/or compression of remotely-sensed images.
- Fault tolerance, reconfigurability, low power and other techniques especially relevant for on-board satellite imaging systems.
- Utilization of on-ground high performance computing (HPC) facilities for the real-time processing, analysis and/or compression of remotely-sensed images.

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