Special Issue

Hyperspectral Object Tracking

Message from the Guest Editors

Object tracking is an active research topic in computer vision, pattern recognition and remote sensing. We have witnessed significant progress on this topic over the past several years, with approaches moving from hand-crafted features to deep learning families. Nevertheless, tracking in grayscale or color videos has its intrinsic limitations in depicting physical properties of targets, especially reflectance of materials. It makes trackers vulnerable in complex scenarios with cluttered background and significant object shape changes. This problem can be effectively addressed by object tracking in hyperspectral videos which provide joint spectral, spatial, and temporal information, enabling computer vision system to perceive the materials of the objects besides the shape, texture, and semantic relationship of objects. Articles may address but are not limited to the following topics:

- Hyperspectral Video Generation
- Hyperspectral Video Processing
- Hyperspectral Tracking
- Hyperspectral/Multispectral Object Detection
- Hyperspectral Snapshot Compressive Imaging
- Illumination Estimation

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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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