



Hyperspectral Object Tracking

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Deadline for manuscript
submissions:
closed (13 August 2023)

Message from the Guest Editors

Dear Colleagues,

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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Message from the Editor-in-Chief

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