A Review of Computer Vision for Remote Sensing Imagery

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Deadline for manuscript submissions:
closed (29 January 2022)

Message from the Guest Editors

Today, an exponentially increasing amount of earth-observation data are being collected automatically, such as remote sensing data, multi-modality images, traffic streaming data, vehicle trajectories, and so on. These data include both images and video sequences of different resolutions, monitoring constantly the earth's surface, the mobility of humans, and the interactions between humans and the earth. How to make full use of these abundant earth-observation data is still an open challenge. This Special Issue aims to exploit the massive earth-observation datasets to deliver information for numerous applications such as urban planning, intelligent transportation, public safety by novel computer vision, and deep learning methods.

- Computer vision method for remote sensing
- Deep learning architecture for remote sensing
- Machine learning for remote sensing
- Classification/Detection/Segmentation
- Anomaly/novelty detection for remote sensing
- Remote sensing data analysis
- Synthetic remote sensing data generation
- Explainable deep learning for time series/image/multimedia data
- Traffic pattern analysis and intelligent transportation
- Novel applications/Metrics/Benchmark datasets

Special Issue

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Message from the Editor-in-Chief

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