Object Detection in Remote Sensing Images: Progress and Challenges

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Deadline for manuscript submissions:
closed (29 February 2024)

Message from the Guest Editors

Dear Colleagues,

Object detection in remote sensing images plays a crucial role in various fields, such as urban planning, land cover classification, disaster management, and environmental monitoring. The importance of object detection lies in its ability to extract valuable information from remote sensing data, enabling better decision making and analysis. By accurately identifying and delineating objects, it becomes possible to monitor changes over time, assess the impact of natural disasters, detect illegal activities, and plan for infrastructure development. Additionally, object detection aids in the creation of detailed land cover maps, which are essential for urban growth modeling, precision agriculture, and conservation efforts. The aim of this Special Issue is to collate original research as well as review articles on the subject of object detection in remote sensing images. Potential topics include, but are not limited to, the following:

- Object detection;
- Remote sensing images;
- Urban planning;
- Environmental monitoring;
- Disaster management;
- Deep learning;
- Mapping;
- Real-time detection.

Guest Editors

Special Issue

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Message from the Editor-in-Chief

The imaging term, specific with journal, is to be considered in its broadest sense. Image processing, image understanding and computer vision are all terms related to imaging acquisition, its processing and the extraction of relevant information from the scene to obtain the underlying knowledge. All tasks related to the above items are oriented toward specific applications in a broad range of areas and topics. The *Journal of Imaging* is conceived as an efficient vehicle in the scientific community for the communication and transmission of the progress and research results in the topics covered.

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