Artificial Intelligence for Object Detection in Optical, Radar and Lidar Images

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Deadline for manuscript submissions:
closed (15 July 2022)

Message from the Guest Editors

Dear Colleagues,

In the last decade artificial intelligence and especially deep neural networks become an extremely effective tool for automatic detection of objects. There are increasing number of applications related to the detection of objects and phenomena in satellite and aerial images.

The scope of this special issue includes but is not limited to the detection of objects in:

• optical images, including multispectral and hyperspectral images

• radar images, which also includes all types of SAR imaging

• lidar data

• fusion of data from different sensors

Submissions can be related not only to the detection of physical objects but also to phenomena, which can be detected based on the earth surface observation. We also welcome papers where artificial intelligence is not directly used for object detection but for the processing of images, which can be preliminary step towards the detection, like for example fusion of data from different sensors, automatic calibration of sensors, SAR to optical image translation or image denoising.

Special Issue

Editor-in-Chief

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Message from the Editor-in-Chief

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