CALL FOR PAPERS
IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing

Special Issue On
"Target Detection and Recognition from Remote Sensing Data"

Small targets, special with camouflage concealment, make huge methodological challenges for their detection and recognition, which bring potential dangers to social security. For instance, there is an increasing number of events about unmanned aircraft and suspected drones disrupting regular flights in airports. For detection/recognition of targets, current remote sensors include radio, radar, synthetic aperture radar (SAR), visible and near-infrared camera, multi/hyper-spectral imager, each of which has advantages, such as range estimation, anti-interference ability, visual analysis, spectral resolution, etc. There is still much room on how to collaborate various types of sensors for detection and recognition of targets, combining with advanced signal processing and artificial intelligence techniques, such as deep learning. The special issue aims to collect and highlight outstanding contributions on recent state-of-the-art techniques in this field. Submissions should address the following topics:

- Detection/Recognition of non-cooperative small targets, e.g., drones
- Detection/Recognition of small targets using single sensor
- Detection/Recognition of small targets using multi-sensor collaboration
- Advanced signal processing for target detection or recognition
- Deep/Transfer learning for target detection or recognition
- Low-rank and sparse decomposition for target detection
- Multi-sensor data fusion for target detection or recognition
- Technique reviews on the related topics

Schedule
December 1, 2019	Submission system opening
May 31, 2020	Submission system closing
2020	Publication date

Format
All submissions will be peer reviewed according to the IEEE Geoscience and Remote Sensing Society guidelines. Submitted articles should not have been published or be under review elsewhere. Submit your manuscript on http://mc.manuscriptcentral.com/jstars, using the Manuscript Central interface and select the "Target Detection and Recognition from Remote Sensing Data" special issue manuscript type. Prospective authors should consult the site http://www.grss-ieee.org/publication-category/jstars/ for guidelines and information on paper submission. All submissions must be formatted using the IEEE standard format. For a template in this format please consult the site http://www.ieee.org/publications_standards/publications/authors/author_templates.html. Please note as of January 1, 2020, J-STARS will become a fully open-access journal, charging a flat rate of $1250 for each paper.

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