# **Special Issue**

# UAV-Borne Optical and Radar Systems for Moving Target Detection and Remote Sensing

#### Message from the Guest Editors

Because UAVs have been miniaturized and equipped with multi-functional payloads to achieve various objectives, they are able to collect various kinds of important information. Integrated with computer vision, deep learning and IoT, UAV remote sensing enables the faster, safer and more cost-effective automation of monitoring, inspection and surveillance processes. In these applications, there are still certain problems in terms of system design and signal processing algorithms for both optical and radar payloads. We aim to report on the state-of-the-art technologies in this field to obtain information through the use of one or multiple UAVs. With this Special Issue, we aim to examine algorithms, models and designs to solve problems regarding the application of UAVs to collect certain information. We particularly focus on the theory, concepts and techniques used for sensing moving targets, both on the land and in the ocean. Research regarding collecting and interpreting information is welcomed. Articles may address, but are not limited to, the following topics:

- UAV-borne equipment:
- Object detection;
- UAV surveys;
- Remote sensing;
- UAV formation.

#### **Guest Editors**

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### **Deadline for manuscript submissions**

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### Message from the Editor-in-Chief

Remote Sensing is now a prominent international journal of repute in the world of remote sensing and spatial sciences, as a pioneer and pathfinder in open access format. It has highly accomplished global remote sensing scientists on the editorial board and a dedicated team of associate editors. The journal emphasizes quality and novelty and has a rigorous peerreview process. It is now one of the top remote sensing journals with a significant Impact Factor, and a goal to become the best journal in remote sensing in the coming years. I strongly recommend Remote Sensing for your best research publications for a fast dissemination of your research.

#### Editor-in-Chief

#### Dr. Prasad S. Thenkabail

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