

## Special Issue

# AI-Based Obstacle Detection and Avoidance in Remote Sensing Images

### Message from the Guest Editors

Recently, intelligent agents are rapidly growing in remote sensing with their autonomy, flexibility, and a broad range of application domains. Obstacle detection and avoidance are fundamental problems for intelligent agents because they must detect and avoid obstacles according to the collected information. However, remote sensing images have the characteristics of large scenes, small targets, and complex backgrounds, which makes it challenging to quickly and intelligently detect long-distance obstacles. Moreover, the adaptability of agents still needs to be improved for addressing the obstacle detection and avoidance problem in complex scenarios. The current development of artificial intelligence technology provides an intelligent solution paradigm for many visual perception and decision-making problems. The performance of obstacle detection and avoidance would be advanced by the inclusion of Artificial Intelligence techniques in the design of remote sensing applications. This Special Issue aims to take advantage of the cutting-aged artificial intelligence technology, developing intelligence obstacle detection methods with strong adaptability and a high degree of autonomy.

### Guest Editors

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Prof. Dr. Dingwen Zhang

### Deadline for manuscript submissions

closed (15 March 2023)



## Remote Sensing

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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 peer-review 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.

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### Editor-in-Chief

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