

Special Issue

Unmanned Aerial Vehicle-Based Inspection in Infrastructure Maintenance

Message from the Guest Editors

This Special Issue aims to provide a comprehensive overview of the latest developments in UAV-based infrastructure inspection techniques. It seeks to highlight the potential of UAVs to enhance the accuracy, efficiency, and safety of infrastructure maintenance practices. This Special Issue aligns with the journal's scope, emphasizing the intersection of remote sensing technologies and infrastructure management. We invite contributions that address both the technological advancements and practical applications of UAVs in infrastructure maintenance. Articles may address, but are not limited to, the following topics:

- UAV-based surface damage identification in bridges, roads, slopes, and dams;
- UAVs for detecting corrosion and cracking in steel and concrete structures;
- UAV-based infrastructure deformation monitoring;
- Deep learning for detection of surface damage;
- Machine vision-based methods for detection of surface damage in infrastructure;
- Sensor technologies covering machine vision, multispectral, thermal, LiDAR, etc.;
- Multi-source heterogeneous data fusion and damage detection;
- Non-contact monitoring for infrastructure.

Guest Editors

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Message from the Editorial Board

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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