

## Special Issue

# Recent Advances in Synthetic Aperture Radar Image Analysis, Modelling, Enhancement and Information Extraction

### Message from the Guest Editor

Synthetic aperture radar (SAR) is an all-weather, 24 hour, coherent remote sensing technique used in spaceborne, airborne, and ground platforms for providing mid to high-resolution imaging data. SAR images are widely available and used to systematically monitor the natural environment, particularly changes due to human or environmental activities. Recent advances in Artificial Intelligence (AI) gives many opportunities to propose new approaches to existing applications. We would like to invite researchers to submit papers with recent research in the topics of information extraction:

- SAR image analysis, processing and enhancement using AI
- Methods, models and inversion supported by Artificial Intelligence for SAR, PolSAR and InSAR
- SAR for damage detection and mapping
- Inverse SAR applications
- SAR displacement monitoring and applications
- Change detection using SAR, ISAR or GPR
- Ground-Based SAR Radars design and data exploration
- SAR for Ground-penetrating radars; Information extraction using recent advances in Artificial intelligence

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### Guest Editor

Dr. Dusan Gleich

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### Deadline for manuscript submissions

closed (28 February 2021)



## Remote Sensing

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CiteScore 8.6



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## About the Journal

### 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

Dr. Prasad S. Thenkabail

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