Special Issue

Remote Sensing Image Super Resolution

Message from the Guest Editors

The pursuit of high-resolution images to meet new challenges and needs never ceases in the field of remote sensing. Extensive applications of rs images, such as fine-grained object classification, high precision object detection, and detailed land monitoring, have a growing demand for spatial resolution. Super-resolution aims to recover high-frequency details from low-resolution observations and is a challenging ill-posed problem. Although recent advances in machine learning have achieved tremendous improvements in super-resolution performance, there are still many challenges in handling real-world scenes, including unknown noise, blur kernels, and algorithm speed. This Special Issue will present the latest advances and trends of remote sensing image super-resolution algorithms and applications. Authors are encouraged to submit high-quality, original research papers on rs image super-resolution.

- Single-image super-resolution;
- Multi-frame super-resolution;
- Multispectral/Hyperspectral image super-resolution;
- Video Satellite Image super-resolution;
- Spectral super-resolution;
- Lightweight super-resolution model;
- Pansharpening.

Guest Editors

Prof. Dr. Libao Zhang

Dr. Yu Li

Prof. Dr. Pedro Melo-Pinto

Deadline for manuscript submissions

closed (30 September 2022)

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Remote Sensing
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
remotesensing@mdpi.com

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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.

Editor-in-Chief

Dr. Prasad S. Thenkabail
Senior Scientist (ST), U. S. Geological Survey (USGS), USGS Western Geographic Science Center (WGSC), 2255, N. Gemini Dr., Flagstaff, AZ 86001, USA

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