Special Issue

Image Super-Resolution in Remote Sensing

Message from the Guest Editors

Remote-sensing images have been playing an important role in many areas including geology, oceanography, and weather forecasting. However, due to the limitations of imaging sensors, acquired images usually have limited spatial, spectral, and temporal resolutions. In addition, remote-sensing images often suffer from various types of degradations, such as noise, spatial distortion, and temporal blur. Reconstruction of a high-resolution image from a single image or a sequence of degraded, low-resolution images of the same scene, acquired from different views or at different conditions, is a challenging problem. This Special Issue aims to collect some of the most recent and promising super-resolution reconstruction techniques for remote-sensing images. Topics of interest include:

- Spatial super-resolution
- Temporal resolution enhancement
- Spatio-temporal super-resolution
- Spectral super-resolution
- Single-frame and multi-frame resolution enhancement
- Super-resolution from geometrically deformed remote-sensing images
- Pansharpening of remote-sensing images
- Fusion of multi-instrument data for enhancing its resolution

Guest Editors

Dr. Igor Yanovsky

1. Jet Propulsion Laboratory, California Institute of Technology, 4800 Oak Grove Drive, Pasadena, CA 91109, USA
2. Department of Mathematics, University of California, Los Angeles, CA 90095, USA

Dr. Jing Qin

Department of Mathematics, University of Kentucky, Lexington, KY 40506, USA

Deadline for manuscript submissions

closed (15 January 2020)

Remote Sensing

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 8.6

mdpi.com/si/20112

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

mdpi.com/journal/remotesensing

Remote Sensing

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 8.6

mdpi.com/journal/remotesensing

MDPI

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.

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

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, PubAg, GeoRef, Astrophysics Data System, Inspec, dblp, and other databases.

Journal Rank:

JCR - Q1 (Geosciences, Multidisciplinary) / CiteScore - Q1 (General Earth and Planetary Sciences)