

Special Issue

Deep Learning for Remote Sensing Image Enhancement

Message from the Guest Editors

Enhancing images is a challenging task due to several factors, including color inconsistencies, low contrast, blurriness, low signal-to-noise ratios, and uneven lighting. Recent progress in deep learning has offered solutions to tackle some of these issues. Nevertheless, given the complex nature of imaging, certain technical hurdles remain. These include the scarcity of adequately labeled training data and the ability of deep learning algorithms to not only enhance images but to also provide useful information on downstream tasks (such as object detection and segmentation). The aim of this Special Issue is to provide a forum for cutting-edge research works that address the ongoing challenges in image enhancement using state-of-the-art deep learning methods. Please note that images/data need to be acquired by remote sensing methods. We welcome topics that include, but are not limited to, the following:

- Image color balancing;
- Generative deep learning for image generation;
- Image quality assessment using reference or no-reference evaluation metrics;
- Image super-resolution;
- Image denoising;
- New image datasets.

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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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