



## Remote Sensing Image Super Resolution

Guest Editors:

**Prof. Dr. Libao Zhang**

School of Artificial Intelligence,  
Beijing Normal University, Beijing  
100875, China

**Dr. Yu Li**

Science Building, Beijing  
University of Technology, No. 100  
Pingleyuan Road, Chaoyang  
Dist., Beijing 100124, China

**Prof. Dr. Pedro Melo-Pinto**

1. CITAB, University of Trás-os-  
Montes and Alto Douro, Vila Real,  
Portugal  
2. Algoritmi Center, University of  
Minho, 4800-058 Guimarães,  
Portugal

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### Message from the Guest Editors

Dear Colleagues,

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.





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Dr., Flagstaff, AZ 86001, USA

## Message from the Editor-in-Chief

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## Contact Us

*Remote Sensing* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
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