

Special Issue

Recent Progress in AI-Based Satellite Sensor Calibration and Remote Sensing Applications

Message from the Guest Editors

This Special Issue aims to publish studies on nearly all topics related to the calibration of high-resolution satellite data that generate high-quality products, particularly the calibration of large-scale satellite constellation data and AI utilization. Therefore, papers on fundamental theory, calibration, data processing, and AI applications are welcome. Articles may address, but are not limited to, the following topics: - Calibration for high-quality remote sensing products; - Validation for high-quality remote sensing products; - Calibration and validation of constellation satellite missions; - AI application for high-quality remote sensing products; - Application for high-quality remote sensing products; - Remote sensing preprocessing; - Image processing; - Deep learning; - MML, VLM, and encoders; - AI agents.

Guest Editors

Prof. Dr. Daewon Chung

Prof. Dr. Dongryeol Ryu

Dr. Dochul Yang

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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.

Editors-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

Prof. Dr. Dongdong Wang

Institute of Remote Sensing and Geographic Information Systems, Peking University, Beijing, China

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