



Advanced Methods for Motion Estimation in Remote Sensing

Guest Editors:

Message from the 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

Dear Colleagues,

This Special Issue aims to serve as a platform for researchers to share their findings, innovations, and insights in the application of advanced methods for motion estimation in remote sensing. We are particularly interested in manuscripts that showcase the use of these methods in real-world scenarios, bridging the gap between theoretical developments and practical applications.

Articles may address, but are not limited to, the following topics:

- The retrieval of atmospheric motion vectors;
- Oceanic current dynamics and estimation;
- Cloud motion patterns and their implications;
- Dynamics of glacial movements;
- Technical advancements and computational challenges in image registration, optical flow, and image alignment techniques;
- Comparative studies highlighting the benefits and limitations of different motion estimation methods

Deadline for manuscript
submissions:

closed (31 May 2024)





an Open Access Journal by MDPI

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

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.

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)

Contact Us

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

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/remotesensing
remotesensing@mdpi.com
[X@RemoteSens_MDPI](https://twitter.com/RemoteSens_MDPI)