Special Issue

State of the Art in Positioning Under Forest Canopies

Message from the Guest Editors

Accurate and reliable positioning in 2D/3D is a vital and key technology for moving platforms (such as persons, unmanned aerial vehicles, all-terrain vehicles and harvesters, etc.) under forest canopies where the Global Navigation Satellite System (GNSS) has difficulties in achieving this target due to the occlusion and absorption of the canopy on the GNSS signals. Accurate position data of moving platforms under forest canopies is crucial for collecting forest inventory data, providing the fundamental information for all decision-making in society and industry that are relevant to human interventions. This Special Issue aims at contributions that focus on advanced positioning for moving platforms under forest canopies. Therefore, we are particularly interested in original papers that present innovative techniques with excellent performance especially in accuracy and reliability, propose advanced data-processing algorithms for laser scanning/camera data for positioning, and present new applications using the obtained position data in forest environments.

Guest Editors

Dr. Zuoya Liu

Prof. Dr. Harri Kaartinen

Dr. Heikki Hyyti

Dr. Jian Zhou

Deadline for manuscript submissions

30 April 2026

Remote Sensing

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 8.6

mdpi.com/si/228134

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

mdpi.com/journal/remotesensing

MDPI

Remote Sensing

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 8.6

mdpi.com/journal/remotesensing

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)