

## Special Issue

# 3D Modelling from Point Clouds: Algorithms and Methods

### Message from the Guest Editors

Image-based and range-based techniques have evolved considerably during the last decade, and are used in numerous fields of applications. The resulting point clouds are interesting for visualization but the processing of 3D models is necessary to structure the data and develop a mathematical representation of the objects. There are several tools currently available providing automatic or semi-automatic methods for 3D modelling from point clouds, but, often, only limited information about the algorithms are given to the users. Authors are invited to submit papers focused on the theory of the algorithms and new methods of 3D modelling based on various sources of point clouds. Papers highlighting the evaluation of the quality of the input data and of the resulting 3D models, as well as the assessment of the algorithms and the performance analysis of the methods are strongly encouraged.

---

### Guest Editors

Prof. Dr. Pierre Grussenmeyer

Department of Surveying and Civil Engineering, National Institute of Applied Sciences of Strasbourg, 67084 Strasbourg, France

Prof. Klaus Hanke

Surveying and Geoinformation Unit, University of Innsbruck  
Technikerstrasse 13, A-6020 Innsbruck, Austria

---

### Deadline for manuscript submissions

closed (31 July 2018)



## Remote Sensing

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.1  
CiteScore 8.6



[mdpi.com/si/11555](https://mdpi.com/si/11555)

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

[mdpi.com/journal/  
remotesensing](https://mdpi.com/journal/remotesensing)





# Remote Sensing

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.1  
CiteScore 8.6



[mdpi.com/journal/  
remotesensing](https://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)