



an Open Access Journal by MDPI

## Advances in AI-Driven Geospatial Analysis and Data Generation

Guest Editors:

**Prof. Dr. Hartwig H. Hochmair**

Fort Lauderdale Research and Education Center, Geomatics Sciences, University of Florida, Fort Lauderdale, FL 33314, USA

**Dr. Levente Juhász**

Geographic Information Systems (GIS) Center, Florida International University, Miami, FL 33199, USA

**Dr. Hao Li**

Department of Aerospace and Geodesy, Technical University of Munich, Lise-Meitner-Str. 9, 85521 Ottobrunn, Germany

Deadline for manuscript submissions:

**closed (31 August 2024)**

### Message from the Guest Editors

In recent years, the integration of Artificial Intelligence (AI) with geospatial technologies has revolutionized the field of geodata science. In particular, the advent of Geospatial Artificial Intelligence (GeoAI) and Generative AI has significantly expanded the capabilities of traditional geospatial methods, allowing for unprecedented advancements in the mapping, extraction, generation, and analysis of spatial information.

This Special Issue seeks to explore the transformative potential of AI in the realm of spatial data applications. It invites the submission of original research papers and review articles centered around the use of AI for mapping, extraction, generation, analysis, and communication of spatial data, which exemplify the novel methodologies, algorithms, and applications stemming from the integration of AI in processing and generation of spatial data. In addition to contributions that apply AI in geographic contexts, we encourage synergistic research that advances both the spatial sciences and AI research at large.



[mdpi.com/si/190114](https://mdpi.com/si/190114)

# Special Issue



an Open Access Journal by MDPI

## Editor-in-Chief

### Prof. Dr. Wolfgang Kainz

Cartography and Geographic  
Information Science, Department  
of Geography and Regional  
Research, University of Vienna,  
Universitätsstr. 7, A-1010 Vienna,  
Austria

## Message from the Editor-in-Chief

The *ISPRS International Journal of Geo-Information* invites you to submit research articles, reviews, and reports covering topics of the whole domain of geo-information. Although the journal was only founded in 2012, it has already achieved wide recognition in the scientific community. We are proud that since April 2015, our journal is indexed by the SCIE of the Web of Science. As Editor-in-Chief, I encourage you to consider *IJGI* for your scientific papers and would be pleased to welcome you as authors.

## 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), GeoRef, PubAg, dblp, Astrophysics Data System, Inspec, and other databases.

**Journal Rank:** JCR - Q2 (Remote Sensing) / CiteScore - Q1 (Geography, Planning and Development)

## Contact Us

---

*ISPRS International Journal of Geo-  
Information* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/ijgi](http://mdpi.com/journal/ijgi)  
[ijgi@mdpi.com](mailto:ijgi@mdpi.com)  
[X@ISPRS\\_IJGI](https://twitter.com/ISPRS_IJGI)