

## Special Issue

# Spatiotemporal Platforms for Addressing Social and Physical Challenges

### Message from the Guest Editors

Social and physical challenges, such as natural disasters, environmental problems, public security, and human activities, occur in both space and time. Many technologies have been developed in the past decade to address these challenges. Especially in the past few years, systematic investigation of spatiotemporal issues has provided new opportunities to address these challenges with better solutions. For example, the utilization of spatiotemporal principles and patterns in optimizing hybrid computing (cloud, grid, edge/fog, quantum, and GPU) has greatly improved our leveraging of limited computing devices for complex computing tasks. The extraction and application of spatiotemporal methodologies in dealing with big spatiotemporal data has opened new doors to enable many real-time and new approaches.

Assoc.

---

### Guest Editors

Prof. Dr. Chaowei Yang

NSF Spatiotemporal Innovation Center, Department of Geography & GeoInformation Science, George Mason University, Fairfax, VA 22030-4444, USA

Dr. Mei Li

Institute of Remote Sensing and Geographic Information System, School of Earth and Space Sciences, Peking University, Beijing 100871, China

---

### Deadline for manuscript submissions

closed (31 December 2019)



**ISPRS International  
Journal of Geo-  
Information**

---

an Open Access Journal  
Published by MDPI

---

**Impact Factor 2.8  
CiteScore 7.2**



[mdpi.com/si/22555](https://mdpi.com/si/22555)

*ISPRS International Journal of  
Geo-Information*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[ijgi@mdpi.com](mailto:ijgi@mdpi.com)

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

[ijgi](https://ijgi)





## ISPRS International Journal of Geo- Information

---

an Open Access Journal  
Published by MDPI

---

Impact Factor 2.8  
CiteScore 7.2



[mdpi.com/journal/](http://mdpi.com/journal/)

[ijgi](http://ijgi)



## About the Journal

### 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.

---

### 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

---

### 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 (Geography, Physical) / CiteScore - Q1 (Earth and Planetary Sciences (miscellaneous))