

## Special Issue

# Advances in Machine Learning and Statistical Analysis of Geographical Data

### Message from the Guest Editors

In geography, we have known for decades that location matters. Established techniques such as local models have addressed the issue of spatial heterogeneity and allowed for the discovery of local processes hidden in traditional models. However, modern algorithms related to Artificial Intelligence, machine learning, and classification of geospatial data are not always “location-aware” even though they manage to achieve more robust results compared to traditional methods. This Special Issue aims to capture the state-of-the-art theories and applications of machine learning and advanced statistics used to analyze spatial data, including big spatial data. The use of advanced methods is linked to appropriate theoretical frameworks (properly acknowledging previous work in the topic) and ethical/responsible use of AI, while encouraging transparency and reproducibility. We look forward to receiving your contribution and we trust this Special Issue will become an excellent reference for future advancements in the domain.

### Guest Editors

Dr. Stamatis Kalogirou  
Dr. Stefanos Georganos  
Dr. George Kefalas  
Dr. Roxanne S. Lorilla

### Deadline for manuscript submissions

closed (31 October 2021)



## ISPRS International Journal of Geo- Information

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## 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.

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### Editor-in-Chief

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