Special Issue

Geospatial AI in Earth Observation, Remote Sensing and GIScience

Message from the Guest Editors

Geospatial Artificial Intelligence (Geospatial AI) approaches have had a transformative influence in earth observation and remote sensing fields such as nature language processing and computer vision. With the progressions of deep learning algorithms, software and hardware technologies, scalable computation platforms, and availability of high-resolution geospatial data are empowering the fast-growing field of Geospatial AI. New theories and methods of AI applications in spatially explicit AI models, spatial prediction and interpolation, Earth observation, social sensing and geospatial semantics are all welcomed by this special issue. Potential topics in this collection include but are not limited to the following topics:

- Geospatial AI for object detection, localization, and classification
- Geospatial AI for agent-based modeling and cellular automata
- Geospatial AI for object segmentation, reconstruction, and registration
- Geospatial AI for anomaly/novelty detection and visual search
- Geospatial AI for using light detection and range (LiDAR) data
- Geospatial AI for developing early warning systems
- Geospatial AI for Climate Trace

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Deadline for manuscript submissions

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About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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