Special Issue

Geospatial Artificial Intelligence (AI) in Earth Observation, Remote Sensing and GIScience

Message from the Guest Editors

In this Special Issue, we will try to inspire the growth and distribution of open Geospatial AI tools that can be re-processed for GIScience research and education. Submissions demonstrating the added value of taking a Geospatial AI approach over existing approaches, 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 in this Special Issue. Potential topics include, but are not limited to the following:

- 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 climate trace.
- Geospatial AI for environmental watch projects.
- Geospatial AI for generating new geo-spatial datasets in Earth's domain.
- Geospatial AI for smart conveyance and autonomous cars.
- Geospatial AI for modeling land use and land cover changes.

Guest Editors

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Deadline for manuscript submissions

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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.

Editor-in-Chief

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