Deep Learning and Computer Vision for GeoInformation Sciences

Guest Editors:

Dr. James Haworth

Prof. Dr. Suzana Dragicevic

Prof. Dr. Marguerite Madden

Dr. Mingshu Wang

Dr. Haosheng Huang

Deadline for manuscript submissions:
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Message from the Guest Editors

Dear Colleagues,

In recent years, significant progress has been made in the combined fields of deep learning (DL) and computer vision (CV), with applications ranging from driverless cars to facial recognition to robotics. There is a natural synergy between the geoinformation sciences and DL and CV due to the vast quantities of geolocated and time-stamped data being generated from various sources, including satellite imagery, street-level images, video, airborne and unmanned aerial system (UAS) imagery, social media data, text data, and other data streams. In the field of remote sensing, in particular, significant progress has already been made in object detection, image classification and scene classification, amongst others. More recently, DL architectures have been applied to heterogeneous geospatial data types, such as networks, broadening their applicability across a range of spatial processes.

This Special Issue aims to collate the state of the art in deep learning and computer vision for the geoinformation sciences, from the application of existing DL and CV algorithms in diverse contexts to the development of novel techniques.

Special Issue

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

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