Special Issue

Application of Deep Learning in Geomatics and Satellite Image Processing

Message from the Guest Editor

The field of geomatics, which includes geodesy, mapping, and remote sensing, as well as laser scanning and cartography, has seen tremendous development in recent years. With the advent of advanced technologies, such as deep learning, there has been a paradigm shift in the way data are processed and analyzed. Deep learning techniques have not only increased the accuracy and precision of geospatial data analysis but have also accelerated the decision-making process. This SI intends to address the use of deep learning in geomatics and satellite image processing in various applications and emphasizes the importance and new capabilities and processing speed in solving complex spatial problems. The application of deep learning in geomatics and satellite image processing has revolutionized the way geospatial information is acquired and analyzed. By using the power of deep learning models, researchers and industry professionals can automate the tasks that were previously time-consuming and manual. With the further development of deep learning techniques, its application in geomatics will undoubtedly further contribute to our understanding of the Earth and its complex spatial dynamics.

Guest Editor

Prof. Dr. Karel Pavelka

Department of Geomatic, Faculty of Civil Engineering, Czech Technical University in Prague, Thákurova 7, 166 36 Prague, Czech Republic

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Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
applsci@mdpi.com

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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

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32, 20133 Milano, Italy

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