

Special Issue

Remote Sensing Image Fusion and Modeling

Message from the Guest Editors

More than one thousand satellites are dedicated to Earth observation, providing a constant and huge flow of “remote sensing” images. Extraction of information from these images enables a better understanding of spatial and temporal evolution of natural and artificial phenomena. However, these images require being geographically registered in order to be efficiently used in a GIS (geographic information system). This process is known as “image fusion and modeling”. For example, when having many images of the same area, we can use a “super-resolution” algorithm in order to produce an image with a better resolution, or we can produce additional knowledge using a “deep learning” process. It is also interesting to mix information from images of different modalities and use a 3D support through a DEM (digital elevation model). Applications are numerous and deal with fields such as environment monitoring, urban planning, forestry, water management, agriculture, and several other ones, this list not being limited. Submissions will deal with methodology (algorithms, systems, etc.) and with applications.

Guest Editors

Prof. Dr. Jean Sequeira

Prof. Dr. Xingfa Gu

Dr. Sébastien Mavromatis

Deadline for manuscript submissions

closed (20 December 2021)



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Applied Sciences
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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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.

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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