



Remote Sensing Image Fusion and Modeling

Guest Editors:

Prof. Dr. Jean Sequeira

Computer Science Department,
Aix-Marseille University, 860 Allée
du Garlaban, 13360 Roquevaire,
France

Prof. Dr. Xingfa Gu

Aerospace Information Research
Institute, Chinese Academy of
Sciences, Beijing 100094, China

Dr. Sébastien Mavromatis

Polytech Marseille Sud, Aix-
Marseille Université, 13288
Marseille CEDEX 09, France

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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.





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Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo

Dipartimento di Fisica,
Politecnico di Milano, Piazza L.
da Vinci 32, 20133 Milano, Italy

Message from the Editor-in-Chief

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Applied Sciences Editorial Office
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