Data Fusion and Artificial Intelligence Applications in Remote Sensing

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Message from the Guest Editors

Recent advancements in sensors and high-performance computing platforms have resulted in the development and implementation of numerous state-of-the-art deep/machine learning approaches for conducting multisensor collaborative remote sensing applications. This includes the emergence of new sensors and more powerful versions of traditional sensors, the increasing availability of additional sophisticated space, aerial, and ground platforms, the automation of data processing and the popularization of geospatial artificial intelligence. However, it is necessary to mention that the users' demands and expectations with respect to the size of the observed area, temporal and spatial resolution, accuracy, speed of operation, problem-solving capability and new application developments using multisource RS technology are still increasing. Therefore, it is necessary to deeply integrate data fusion and GeoAI according to the characteristics of RS data from different sources and the specific needs of different applications. This Special Issue focuses on advancements and innovative methods and solutions of data fusion and geospatial artificial intelligence in remote sensing.

Special Issue

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Message from the Editor-in-Chief

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