Special Issue

Recent Advances of Deep Learning Technology in Remote Sensing Image Fusion

Message from the Guest Editors

Image fusion consists of efficiently combining data from different sensors/sources for better interpretation and visualization. This technique has been widely studied and explored in remote sensing over the last few decades. The fused product has been used for several practical applications, including object tracking, land cover classification, and anomaly detection. Conventional methods suffer from performance reduction in consequence of often unrealistic hypotheses. Recently, deep learning booming has had a remarkable impact on research. Fast computing devices like graphics processing units (GPUs) have also led to the enhanced efficiency of numerous mathematical methods, including very deep learning architectures for complicated tasks. Although deep learning models have been widely used in remote sensing image fusion, there are still many rooms for improvement. The aim of this Special Issue is to focus on future directions of remote sensing image fusion through most recent advancements in deep learning models. For more information, please click: mdpi.com/si/134348.

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Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

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