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Coastal and Littoral Observation Using Remote Sensing

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Message from the Guest Editors

Remote sensing offers unvaluable capabilities for earth observation. The use of present satellite/airborne systems working on the microwave spectrum, such as SAR and PolSAR, and on other wavelengths, in addition to the use of laser systems make it possible to better monitor the earth. These capabilities are of great importance for providing information with regard to coastal and littoral observation, where even low-cost systems can be useful and provide extra functionalities through convenient fusion strategies. Such systems offer huge amounts of data to researchers and to final users that can be analyzed to assist with the monitoring/planning of coastal and littoral uses.

This Special Issue focuses on exploring new techniques for the data-to-information process used to acquire remote sensing data from coastal and littoral areas. Deep learning approaches, pattern recognition, machine learning methods built on suitable models closely linked to the data, image processing techniques (for instance segmentation and classification) and data fusion methods in general are the main interests of this Special Issue.

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Message from the Editorial Board

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