



Smart Spectral Sensors for Aquatic Environments

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Message from the Guest Editor

A new generation of spectral sensors and sensor systems for pollution detection and biogeochemical observations in aquatic environments is being born. These optical sensors are showing not only improved measurement capabilities, but also enhanced sensor data evaluation and integration functionalities, e.g., hyperspectral radiometers that perform embedded data analysis, multispectral imaging sensors with in-built feature characterization, or multi-modal ad-hoc sensor systems that collaboratively perform risk-assessment. With improved embedded computational capacities, the ascent of machine learning, data stream mining, and other algorithmic approaches at hand, smart spectral sensors can be realized for more comprehensive assessment and protection of marine environments, inland water, as well as other water-related processes.

I am proud to announce this Special Issue entitled ‘Smart Spectral Sensors for Aquatic Environments’. It is an effort to include the most relevant work on state-of-the-art as well as upcoming smart spectral sensors and sensor-systems.





sensors



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Message from the Editor-in-Chief

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