Special Issue

Application of Optomechatronic Technologies in Ocean Observation

Message from the Guest Editors

The ocean is undergoing significant changes right now. As one of the most important and indispensable technologies in the field of ocean observation, optomechatronic technologies are known for their fast speed, high accuracy, high resolution, and wide range of applications. This Special Issue seeks to explore the innovative applications of these technologies in ocean observation, ranging from environmental monitoring to climate change research, marine biology, and sustainable resource management. In this Special Issue, we invite original research articles, reviews, and perspectives that cover various applications of optomechatronic systems in ocean observation. Research areas may include (but are not limited to) the following:

- Application of optomechatronic technologies in sea water, sea floor, and sea ice observation, including the physical, chemical, biological, and ecological characteristics of the sea water, sea floor, and sea ice.
- Optomechatronic technologies that include new methods, technologies, models, algorithms, and devices that use the relevant optical, mechanical, and electronical technologies.

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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