Underwater Robots in Ocean and Coastal Applications

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Deadline for manuscript submissions:
closed (30 September 2020)

Message from the Guest Editors

Dear Colleagues,

Topics of particular relevance are advances in artificial intelligence expected over the next 20 years that would be "game changers" in the development of underwater vehicles; advances in underwater communications and localization; developments in energy storage and utilization; and environmental energy harvest mechanisms. In the shorter term, advances in the intervention capability of autonomous vehicles (both underwater and surface) will be key as will the development of "trusted" autonomy and the operation of fleets of vehicles in a host of innovative missions (e.g., under ice, in deep ocean, and in dynamic environments).

The aim of this Special Issue on underwater robotics is to welcome papers that especially address the following areas:

1. Presenting/discussing the current autonomous capabilities of underwater robots and their applications;
2. Identifying critical issues and themes in the field of underwater robotics for the next 5 – 20 years;
3. Prioritizing these issues based on their practicality, importance, and potential time horizon for development.

Special Issue

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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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