Recent Advances in Artificial Intelligence for Navigation and Control of Autonomous Underwater Vehicles

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Message from the Guest Editors

Autonomous underwater vehicles (AUVs) are robotic devices with a propulsion system for navigation and an onboard computer for decision making. This Special Issue of the *Journal of Marine Science and Engineering* aims to publish the most recent advances in the application of artificial intelligence and its effect on the navigation and control of autonomous underwater vehicles in a single volume. We will cover the current state-of-the-art research on marine navigation, modeling and control of marine autonomous vehicles, as well as present studies on various related topics, for example, collision avoidance and path planning. The journal will offer a rapid turn-around time regarding reviewing and publishing, and all papers are published as open access for research, teaching, and reference purposes. High-quality papers are encouraged for publication concerning, but not limited to, the topics below:

- Autonomous underwater vehicles;
- Artificial intelligence;
- Marine navigation;
- Collision avoidance;
- Path planning.

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Special Issue

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Message from the Editor-in-Chief

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