Special Issue

Safe, Efficient and Sustainable Autonomous Maritime Transportation System

Message from the Guest Editor

There is a rapid increase in digitalization and automation in maritime transport, including the use of artificial intelligence (AI) to increase the safety and efficiency of maritime operations. Consequently, developing autonomous maritime transportation systems (vessels and other systems used in vessel traffic monitoring, control, and management) brings challenges and opportunities in terms of security, performance, safety, sustainability, and compliance with regulatory frameworks. For example, there is increasing pressure on vessel operators and owners to comply with CO2 emission regulations, such as CII, EU ITS, etc. This Special Issue calls for innovative contributions in using data science and artificial intelligence to improve the safety and efficiency of autonomous maritime transportation systems, including compliance with emerging frameworks for reducing the maritime carbon footprint. Keywords: autonomous vessels; safe navigation; efficient navigation; sustainable navigation; compliance with maritime regulation.

Guest Editor

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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.

Editor-in-Chief

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