



Application of Artificial Intelligence in Maritime Transportation

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Message from the Guest Editors

Dear Colleagues,

The use of cargo carriages is mainly implemented by ships worldwide as a manner of cost-effective transport. The recruitment of new ship crews has become difficult due to piracy, staying away from home for long periods of time, etc. The new development of artificial intelligence (AI) techniques demonstrates tremendous potential in alleviating the above-mentioned disadvantages. It can be envisioned that AI techniques may require fewer on-board ship crew members, whilst the maritime traffic safety and efficiency will be obviously enhanced as well. More specifically, AI techniques will be introduced to revolutionize the shipping industry by conducting the following tasks: maritime traffic situation awareness, automated ship controlling, optimal ship trajectory planning, ship-shore-vehicle collaboration, etc.

We invite full paper submissions fitting the general theme of “application of artificial intelligence in maritime transportation”. Moreover, we encourage submissions from a broad range of research fields related to maritime transportation issues.

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Message from the Editor-in-Chief

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