



Smart and Low Carbon Emission-Oriented Maritime Traffic Management and Controlling

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Deadline for manuscript submissions:

1 June 2024

Message from the Guest Editors

Dear Colleagues,

Maritime transportation is considered to be a cost-effective manner used to transfer goods around the world. In that way, the maritime community has paid significant attention to enhancing maritime traffic efficiency as well as energy consumption. It is noted that approximately 3% of global carbon emissions come from the shipping industry; thus, there is a significant focus on reducing the carbon emissions of the shipping industry.

The focus of many researchers is on employing artificial intelligence (AI), big data, and computer-vision-related techniques to enhance maritime traffic efficiency. It has been found that there are many challenges in the automatus shipping era, along with carbon peaking and carbon neutrality. For instance, it is not easy to automatically find an optimal ship trajectory with low economic cost and fuel consumption for a given voyage. In attempt to reach this aim, we welcome the submission of novel studies to promote cost-effective yet high-efficiency maritime traffic with feasible and transferable solutions.





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Message from the Editor-in-Chief

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