Special Issue

Recent Advances in Transportation Machinery

Message from the Guest Editors

Efficient transportation is vital for modern industry, with its efficiency having a significant effect on competitiveness. Improving transportation machinery efficiency is possible on multiple levels–through careful planning of use scenarios, by improving the designs, and by optimizing the transportation machinery components. In this light, this Special Issue focuses on three key areas: decarbonization of transportation machinery, improving its design and optimizing its efficiency, and understanding the role of friction and wear within its components. Contributions related to individual components used in transportation (engines, hybrid systems, transmissions, and clutches), as well as exploring eco-friendly technologies, such as electric and hybrid systems, along with alternative fuels and new materials to make transportation more sustainable, are welcome. A special highlight is the attention given to tribology, which has a crucial role in improving how transportation machinery performs and lasts over time.

Guest Editors

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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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