

Special Issue

Vehicle-Track Interaction and Railway Dynamics

Message from the Guest Editor

Railways have always played a significant role in the development of societal wealth creation capabilities. With the continuous improvement of railway train speed and the rapid development of high-speed and heavy-duty railways, the dynamic interaction between locomotives and track structures is increasingly strengthened, leading to more serious and complex dynamic and vibration problems. The higher the running speed of the train is, the more prominent the issues of safety and running the stability of locomotive and vehicle operation on the railway are. Railways have been in a high-load-transportation state for a long time, leading to more prominent vehicle/track interaction problems. This Special Issue is launched in order to showcase the cutting-edge research on the dynamic interaction between railway vehicles and track, and to discuss the difficulties and issues faced in the development of railway dynamics.

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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