

Special Issue

New Insights into Wheel-Rail Interaction

Message from the Guest Editor

Research concerning the wheel-rail interaction plays an important role in developing quiet, comfortable and safe high-speed trains. This Special Issue aims to promote the exchange of novel insights into the wheel-rail interaction, including emerging methods, novel models and deep insights into the coupling mechanism of wheel-rail systems. We are particularly interested in works addressing the issues of noise and vibration induced by the wheels and rail. Both the vibroacoustics-related research of train car bodies and the dynamic analysis of wheel-rail systems are welcome. The exact content can be related to methodology validation, numerical simulations, measurements and preliminary novel analyses.

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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