Special Issue

Novel Advances in Noise and Vibration Control for Rail Transportation Systems

Message from the Guest Editors

Along with the rapid development of rail transportation, the problems of vibration and noise pollution induced by the rail transit system have been highlighted. To solve the above problems, many scholars use vibration-damping fasteners, floating plate tracks, damping rails, and other methods. However, when intensive human activities and rail transit system vibration and noise sources coexist in one place, the two contradictions and conflicts are particularly prominent and need to be resolved. Hances, it is important to explore and control the vibration and noise in a rail transportation system.

We are pleased to invite you to provide original research covering the noise and vibration control of rail transportation systems, including (but not limited to):

Methods for predicting vibration and noise in rail transportation.
Environmental vibration and Wheel–track noise mechanism and control technology.
Environmental vibration control of turnout intervals.
Engineering applications of new vibration-damping tracks.
New vibration and noise reduction product development.
Rail transportation system dynamics.
Rail wave wear and rail vibration noise.

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.

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