

Special Issue

Railway Vehicle Dynamics

Message from the Guest Editor

The dynamics of railway vehicles play a crucial role in the overall safety, reliability, and competitiveness of railway systems. The *Applied Sciences* journal has launched a new Special Issue entitled “Railway Vehicle Dynamics”, aiming to collect scientifically relevant contributions that can bring innovation to the field, addressing several topics including (but not limited to) running stability, safety, traction/braking operations, curving behavior, vibrations, comfort, and wheel–rail contact analysis. Papers should focus on the implementation of numerical/experimental techniques with the aim of optimizing the running dynamics of railway vehicles or improving the current knowledge on the complex relationship between vehicle dynamics and associated phenomena. The Special Issue welcomes papers dealing with different application frameworks, including the following:

- Design of the main vehicle components;
- Development of control logics for optimization of traction/braking or curving behavior;
- Monitoring systems/algorithms for enhanced safety and stability.

Guest Editor

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About the Journal

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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