## **Special Issue**

## Railway Vehicle Dynamics: Advances and Applications

## Message from the Guest Editor

Railway vehicles, their sets forming trains or single units, and their elements, e.g., car bodies, bogies, propulsion systems, pantographs, etc., are often large physical objects. That is why studying their dynamical properties comprises two basic approaches. First, this is an approach based on their direct observations. experiments on them, and measurements of the chosen quantities during tests or experiments. Due to the scale, these are difficult to perform and costly. Second, there is an approach based on calculation methods, either analytical or computer ones, including numerical simulations, providing lower costs. Both these approaches to railway vehicle dynamics are successfully used to solve practical technical problems and gather and expand knowledge of the cognitive nature. The above statements make the most general outline of the present Special Issue's scope. The issue is open for all papers connected with railway vehicle dynamics in the broadest possible sense, and those close to them. Thus, it is difficult to mention all the dynamical issues that can be the subject of potential papers....

### **Guest Editor**

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## Deadline for manuscript submissions

20 April 2026



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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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