



Ropeway Systems Dynamics and Control: Analytical, Numerical, and Experimental Methods towards New Design Strategies

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submissions:

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Message from the Guest Editor

This Special Issue aims to provide insights and new advances in the field of the dynamics and the vibration control of ropeways and cable-drawn transport systems.

Papers are welcome in the area of parametric modeling (analytical or numerical) and numerical simulations of the linear and the nonlinear response of discrete and continuous systems with applications to ropeways, on the vibration control and experimental characterization of the dynamics of all the mechanical elements assembling ropeway systems (i.e., the moving cables, the hauled cars, the roller batteries, and the towers) and their linear and nonlinear interactions. Papers concerning fatigue analysis, design optimization, and static and dynamic identification applied to ropeways and cable-drawn systems are also welcome.

The Special Issue will also be a great opportunity to collect and disseminate the most recent developments in terms of analytical and numerical techniques, and also experimental evidences, which can be suitable for practical applications in the design of ropeways, the optimization of their mechanical behavior, and the control of their dynamic response.





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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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