



## Interactions between Railway Subsystems

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### Message from the Guest Editor

At present, the proportion of railway system in public transportation systems is increasing under the global goal of greenhouse gas reduction. In this respect, building a highly efficient railway system is a very important task for us. The railway system consists of several subsystems, such as vehicles, engineering structures, power supply systems, and signal and communication systems. The interactions between these subsystems have very significant effects on the performance and efficiency of the entire railway system. The subsystem interactions, e.g., wheel–rail contact, vehicle–track–substructure dynamic interaction, track–bridge interaction, pantograph–catenary contact, and track–signaling system interface, include a wide variety of complex static and dynamic problems, and many challenges have arisen and meaningful developments have been made in recent decades. However, there are still several remaining important issues. Thus, I would like to propose this Special Issue including but not limited to the abovementioned themes. New unknown problems in recent or future railway systems are also welcomed.





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## Message from the Editor-in-Chief

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