Application of Composite Materials in the Railway Industry

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Message from the Guest Editors

The usage of advanced composite materials in railway applications is constantly growing due to the high strength-to-weight ratios, the capacity to create complicated geometries, lower maintenance costs, and increased performance when subjected to harmful environmental conditions.

Therefore, the main focus of the forthcoming Special Issue is to present inspiring cutting-edge concepts and innovative applications of composite materials in railway infrastructure. For this Issue we encourage the submission of articles that employ analytical and experimental investigations as well as artificial intelligence, including machine/deep learning and other evolving concepts of data-driven approaches to improve the composite design of railway components, with a focus on how to implement composite materials in railway infrastructure.

Special Issue