

Dear Readers,

This issue marks the 205th edition in the 70-year history of our journal. It features articles encompassing highly diverse subject matter related to various aspects of railway transport. The issue opens with an article by R. Domin and Y. Domin discussing the design of the TFT bogie intended for flat wagons. Through mathematical modelling, the authors determined the dynamic performance indices of a container wagon equipped with TFT bogies, as compared to one fitted with conventionally designed bogies.

The article by M. Graff addresses the role of railway transport in the operations of the ferrous metallurgy industry. Specific examples are provided regarding the operations of the ArcelorMittal group, both in Poland and globally.

In a subsequent article, M. Graff describes the current state of rolling stock manufacturing in Russia, focusing primarily on locomotives and multiple units produced both by the domestic industry and in collaboration with foreign manufacturers.

The article by W. Koc addresses the modification of reverse curves, defined as a track geometry layout comprising two consecutive circular curves. Three geometric layouts of reverse curves are analysed. Furthermore, a method for curve modification is proposed that is viable for practical application in the engineering design process.

The issue concludes with an article by M. Ostromęcka examining the relationship between pearlite morphology and the mechanical properties of steel. The paper highlights the significance of quantitative microstructure assessment for controlling the manufacturing process of switch blades.

I hope that reading the articles published in Railway Reports will contribute to the dissemination of technical knowledge regarding modern railways, while also inspiring independent reflection, research, and development efforts.

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