

Dear Readers

We present to you the book 191 of Railway Problems, the second of the published in 2021 – the seventieth anniversary of the Railway Research Institute. The topics of the articles are, as usual, varied and extensive. The opening one, by Dr. Mirosław Antonowicz, the president of the Organization for the Cooperation of Railways (OSJD), concerns the international OSJD transport corridors, which link the countries of Europe and Asia. They are widely used for planning and organizing the runs of freight trains in international traffic.

Another article, by Dr. B. Mazur, discusses the legal aspects of the actions of an organizer of public transport in terms of the railway transport of passengers in provinces. An article by I. Miłkaszewicz and M. Frelek-Kozak presents the obligatory quality tests for railway materials, which have the status of qualification tests. The fourth article, by Dr. M. Ostromecka and A. Aniszewicz, presents the results of measurements for SB4 rail fastening systems carried out using three methods.

An article by Professor M. Pawlik outlines the European and domestic actions taken in order to protect railway transport against cyberthreats and shares guidelines for railway employees. These are extremely important in view of the widespread use of digital solutions in supporting the business entities that function within the railway system and in supporting command control, signaling, and supervision activities. The last article, by A. Zbieć, examines the aerodynamic phenomena caused by a moving train, with particular attention paid to the effect of pressure on objects.

I do hope you will find the articles interesting and inspiring.

Andrzej Massel
Editor-in-Chief