



Dear Readers

This issue of Railway Issues is the first issue of our quarterly magazine published in 2022. We started this year with the farewell ceremony to remind our Director Dr. Andrzej Żurkowski, who died on 3 January.

In March we celebrated two anniversaries: the 70th anniversary of the Railway Research Institute and the 25th anniversary of the Test Track Centre near Żmigród. Due to the pandemic situation, these celebrations were postponed from the previous year. They made us all realise that despite the changing social and economic conditions, the Railway Research Institute continuously and reliably supports the development of rail transport, and the works carried out at the Institute enable the implementation of new technical solutions, both in terms of infrastructure and rolling stock.

A picture of the works carried out at the Institute is presented in the articles contained in the issues of Railway Issues and written by the personnel of the Railway Research Institute. In addition, the quarterly publishes interesting articles prepared by specialists from other research units, universities and eminent business practitioners. All this makes that the topics of Railway Issues are very broad and cover all issues related to modern rail transport.

I hope that the reading of Issue 194 of Railway Issues will be interesting for all the Readers and will become a source of new ideas and inspiration for them.

Andrzej Massel
Editor-in-Chief