

## **Szymon Klemba: Development of the Polish Railway Network by 2050**

The aim of this paper was to analyse the Polish railway network in terms of identifying problems related to the possibility of smooth and efficient railway operations and to indicate the directions of possible measures to be taken by 2050, which would improve the capacity of the network and adapt it to the expected transport needs. On the basis of strategic documents analysis, surveys conducted in railway undertakings and data on the present shape of the railway network, groups of problems occurring on Polish railway lines and having a negative impact on railway operation were classified and examples of those problems were given. The result of the study is an indication of investment activities to be undertaken, an outline of a methodology for shaping optimal infrastructure solutions and an indication of directions for further development work in this field.

**Keywords:** railway network, capacity, railway traffic and operations