

Jarosław Moczarski: Scientific Research for the Development of Rail Transport. Young Staff of the Railway Research Institute in the Implementation of Research Projects

The scientific monograph, published in December 2021 by the Scientific Publishing House of the Railway Research Institute, is devoted to research projects carried out by young researchers of the Institute. The publication describes the results of research work on fire safety in passenger rail vehicles, noise generated by high-speed trains, stability of freight wagons, construction of road-rail vehicles, physicochemical properties of paint systems used in rail transport, electromagnetic compatibility in the railway environment, selected elements of railway infrastructure and their impact on rail transport safety and reliability, certification processes of railway subsystems, the role of simulation tests in rail transport, wire communication systems and implementation of radio digital ICT technologies. The results of the research work were presented at the IK Young Talents' Symposium – SYMTA 2021, organised in May 2021 at the Railway Research Institute.

Keywords: rail transport, scientific research, young scientists