

Przemysław Brona, Adam Dąbrowski: Modern Demonstrator of Simulator for Rail Vehicles' Operators, which Increases Safety and Efficiency of Their Performance – Part I

The article presents three tasks already accomplished in 2013–2015 by the Railway Research Institute conducted within the project of simulator demonstrator for rail vehicle operators, which was carried out within the Pilot Undertaking „DEMONSTRATOR+” and supervised by the National Centre for Research and Development (NCBiR). The tasks included the development of formal and functional requirements for the demonstrator, requirements for GIS spatial data import and processing, as well as assumptions for training scenarios, including determining profiles of driving and definitions of parameters characterizing the training scenarios.

Keywords: locomotive, simulator, virtual reality