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Ensuring sustainability of the city transportation system: Problems and solutions (ICSC)

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Abstract

© Owned by the authors, published by EDP Sciences, 2016. Ways to increase sustainability of the city transportation system and, particularly, measures to promote safe public transport and non-motorized means of transport are considered in the article. Analysis of the existing positive experience shows that complex decisions for a sustainable development of the city transportation system are necessary. Technical and organizational ways to increase the transportation system's sustainability and safety are studied. The results of solution of separate tasks, aimed at completing the goal, are presented: Defining transport preferences of the citizens of Naberezhnye Chelny, perspective model of bus route network, a model of an adaptive smart-bicycle. It is shown that the proposed solutions for strategic and operational management will help to enhance efficiency and safety of transportation system.

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