

# Modeling as a Method to Improve Road Safety during Mass Events

Makarova I., Khabibullin R., Pashkevich A., Shubenkova K.  
*Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia*

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## Abstract

© 2017 The Authors. Mass events are disturbing influences on transport system repeatedly increasing demand for transport services. At the same time, the nature of management depends both on the system condition and on the event properties. It is necessary to take into account the frequency of event, its scale, significance or level which influence management decisions and the necessity of infrastructure changes. At the same time, it is necessary to take into account how infrastructure changes will influence system efficiency under normal conditions after the event. Simulation modeling is the best tool for search of the optimal solution. The article shows peculiarities of safety ensuring of transport system using the concrete examples of organization of mass events in Russia and Poland.

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## Keywords

city transport system, disturbing influences, mass events, road traffic accident

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