

SIMULATION OF AUTOMATIC INCIDENTS DETECTION ALGORITHM ON THE TRANSPORT NETWORK

Andrey B. Nikolaev, Yuliya S. Sapego, Anatolij N. Jakubovich,
Leonid I. Berner and Andrey M. Ivakhnenko

Federal State Funded Educational Institution of Highest Education "Moscow Automobile and
Road Construction State Technical University – MADI", Moscow, RUSSIA;
JSC "AtlanticTransgasSystem", Moscow, RUSSIA

INTERNATIONAL JOURNAL OF ENVIRONMENTAL & SCIENCE EDUCATION
Vol. 11, No. 16, 2016.

ABSTRACT: Management of traffic incident is a functional part of the whole approach to solving traffic problems in the framework of intelligent transport systems. Development of an effective process of traffic incident management is an important part of the transport system. In this research, it's suggested algorithm based on fuzzy logic to detect traffic incidents and determine its priority for transmission information about incident to emergency services. Sensors that are installed on the roadway provide the data for algorithm of incident detection. After the incident is detected, the algorithm of defining its priorities will be started. The traffic flow for research will be modeled in the PTV Vissim, after all receives information will be uploaded to excel for further processing.

Keywords: System of incident management, Intelligent Transport System, PTV Vissim, fuzzy logic

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