

Improving safety on the crosswalks with the use of fuzzy logic

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Abstract

© 2018 Silesian University of Technology. All Rights Reserved. The article provides an analysis of the global trends in the field of city transport systems' safety. Currently, the efforts to increase the proportion of trips made by foot or by non-motorized transport are being made. That is why the problem of ensuring safety of the most vulnerable road users is relevant. The statistics of traffic accidents with victims, as well as the factors that cause such accidents, is analysed. Simulation has shown that rational management can reduce the likelihood of road traffic accidents.

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Keywords

Fuzzy logic, Pedestrian crossroad, Road safety, Traffic light

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