Accepted Manuscript

Effect of authority figures for pedestrian evacuation at metro stations

Xiao Song, Zenghui Zhang, Gongzhuang Peng, Guoqiang Shi

PII: S0378-4371(16)30531-3

DOI: http://dx.doi.org/10.1016/j.physa.2016.08.015

Reference: PHYSA 17431

To appear in: Physica A

Received date: 19 April 2016 Revised date: 12 July 2016



Please cite this article as: X. Song, Z. Zhang, G. Peng, G. Shi, Effect of authority figures for pedestrian evacuation at

metro stations, *Physica A* (2016), http://dx.doi.org/10.1016/j.physa.2016.08.015

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

ACCEPTED MANUSCRIPT

The effect of authority figure (AF) is fully investigated.

The model of AF considers the factors include guiding strategy, the number and locations, spread of direction, and distribution strategies.

Simulation results show that about four AFs in Zhichun Avenue station are most economic and efficient for evacuation.

Download English Version:

https://daneshyari.com/en/article/7376708

Download Persian Version:

https://daneshyari.com/article/7376708

<u>Daneshyari.com</u>