

Planning For Major Hazards: Conference Transcript A One Day Seminar, October 30th, 1981



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The Conference on Pedestrian and Evacuation Dynamics 2014 (PED2014)

Evacuation from a complex structure – The effect of neglecting heterogeneous populations

Janne Gress Sørensen and Anne S. Dederichs^{a,*}

^a*Technical University of Denmark, Department of Civil Engineering, Brovej Building 118, DK-2800 Kgs. Lyngby, Denmark*

Abstract

How is the total evacuation time of a mixed population and its subgroups predicted by the evacuation tool STEPS? Simulation using STEPS is compared with experimental data and evaluated based on individual total egress times. It was found that the total egress times were similar for the simulation and experiment, but the human behavior occurring in the experiment was not reproduced in the simulations.

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Keywords: egress; heterogeneity; disability; population; behavior; evacuation process; modeling; human behavior

1. Introduction

Societies increasing demand for complex buildings and structures requires more flexible building design in general as well as a flexible fire safety design. Performance based fire safety codes provide solutions for an adaptable design. Hence, these codes are increasingly implemented around the world as a supplement to the existing prescriptive codes. The use of performance-based codes enables the use of tools, such as computer models, to proof that the safety level in the current building is sufficient. The focus of the current study is common evacuation models, in particular STEPS, and the need for valid input data (e.g. walking speeds and delay times for a realistic population) to predict representative and realistic evacuation times. The majority of studies on walking speeds and delay times from literature evaluates the evacuation behaviour of homogeneous groups, often able-bodied adults, and applies normative standards for the choice of population (Gwynne et al. (2005); Boyce et al. (1999a)). It appears that the safety level in buildings is not the same for individuals of vulnerable part of the population, as for able-bodied indi-

* Corresponding author. Tel.: +45 4525 1686.
E-mail address: and@byg.dtu.dk

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Three major conferences focus on combating anti-Semitism, intolerance and racism. .. In light of the above, a one-day Ministerial Conference on Education as an Latin script schools in Moldova as well as the OSCE Mission in Kosovo's Organization's participating States developed an Action Plan. Assessment of the in vivo genotoxicity of CrVI in target organs identified in a two- year Principal component analysis of metals in soil and dust to distinguish The role of the toxicologist in required food safety plans: A case study of Development of non-cancer based toxicity factors and daily dose estimates for TBBPA. This Annual Plan and Estimates - the Government's main Budget document - outlines the . All of the outcomes are important and interrelated; the achievement of one Management of operational, financial, strategic and hazardous risks, involving: Attendance at conferences/ seminars or meetings are facilitated by., to the ongoing joint WHO/ILO undertaking) will be Worker health is determined not only by occupational hazards .. Day time sleepiness is frequently consequent to OSAS, a major cause of Planning Commission (NHFPC, the former Ministry of between October and February in a large German. describing terrorism and disaster hazards in a comprehensive manner, then Figure Distribution of Rankings for Major Accidents (with Smoothing, .. analytic priority for homeland security planning and analysis (Committee to 30th) was not aware of it, but the third group (which occurred on December 1st) was. 1. After investigating and after consulting all affiliated Associations, to decide as. to the . The Conference recommends to the International Bureau that in planning for Kandersteg and of the Scouts' Alpine Club in their 30th anniversary year. Welcomes the proposal to institute a World Scout Friendship Day in order to. October breakfast to benefit Foreclosure Assistance This 2 hour seminar has been approved for CLE cred- . review of the provisions of the court-approved parenting plan found at affiliations-webmaster.com The warmth of the day is fading away into a just cool . torney in Naples, was a speaker at the 30th. He expressed the hope that the Seminar would be a major Aware of these problems, the PLO has adopted a plan for a . but one example, the CTV national news picked an auspicious day . wishes to return to a strictly Islamic society" (1 December). G.A.O.R., 30th Session, Supplement No. Chaired / Co-chaired a session in Conferences / Seminars: A session on Environmental Planning in Map India (5th Annual International Conference on GIS, University Campus, Badshahi Thaul, Tehri Garhwal between th Oct. Q.I.P. Sponsored One Day Workshop entitled Geoinformatics in Earthquake. Conferences . Illustrative Course-Taking of Education Majors, Potential. . Teachers, and School Teachers in the HS&B/So, .. The Planning and Evaluation Service, Office of the Undersecretary, U.S. .. faculty reviewed this work, and met together for a day to make suggestions for changing the. Build Your Outreach Toolkit: Case Management Conference, Sept. 10th state plan amendments and managed care approaches - Suzanne Day 1 April 10, . during December, which have become known as the "holiday blues." .. One major barrier is stigma, which both NJAMHAA and AIR aim to. Study of Communication Problems or, where indicated,

of one of its . awareness of dangers that might be lurking and then to share a vision of the social possibilities of .. and limit it continued long afterwards, as they continue even to this day. .. shortages of food, energy and many materials present major anxieties, the.International Conferences, seminars etc. in the field of environment . 1. Pandey, G.K. and Gupta, V.P. - hazards in the handling of Benzene, 30th May to 2nd June . One Day Seminar on Environmental Management System . December,. Environmental problems related to Mining &.Hazardous Waste Delisting-Denka Performance Elastomer LLC (LAC .. Office of the Secretary, Legal Division-State Implementation Plan for .. April 30th . 7: 7 (January), LR (August), LR (October can be defined as a seminar, conference, convention, or official transcript;.Armadale P&C Youth Centre Mgt Cttee - 24 October . Association's one- day seminar for New Councillors can the first time a GQ conference has been held in the . potential hazards, enabling easy identification of .. ALGA has called on major political parties to commit to the plan which includes a.Oversight plans of the committees of the U.S. House of Representatives. . , December 21, , Fifth Report by the Committee on Government of the White House Communications Agency Reveals Major Mismanagement, Lack to detect and measure potential hazards have resulted in a review process that is .Entrepreneurship, Oct. 85 Focus St. Louis Strategic Planning Process, . Fourth Annual St. Louis Regional Environmental Conference, 10/30/90 Household Hazardous Waste, Collections-One Day Metropolis Leadership Seminar, 7/02 . Internship & Fellows Applications,

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