

PED 2010



CALL FOR PAPERS AND POSTERS

The 5th International Conference on Pedestrian and Evacuation Dynamics

March 8-10, 2010

National Institute of Standards and Technology Gaithersburg, Maryland, USA

<http://www.ped2010.org>

Venue Information: The National Institute of Standards and Technology (NIST) in Gaithersburg, MD is set on a scenic 600 acres populated by wildlife, vegetation, ponds, and picnic areas. Founded in 1901, NIST is a non-regulatory federal agency within the U.S. Department of Commerce.

NIST is conveniently located 20 miles north of Washington, DC. NIST provides shuttle service to and from the local subway system and is within reach to three major airports; Baltimore Washington International Airport, Washington Dulles International Airport, and Ronald Reagan Washington National Airport. <http://www.nist.gov/>



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In many countries, an aging population, increasing obesity and more people with impairments are bringing new challenges to the management of routine and emergency people movement. These population challenges, coupled with the innovative designs being suggested for both the built environment and other commonly used structures (e.g., transportation systems) and the increasingly complex incident scenarios of fire, terrorism, and large-scale community disasters, provide even greater challenges to population management and safety. Key to effective management procedures is a better understanding of human performance in a variety of incident scenarios, tools that assess human performance in these scenarios, and the proper use of such tools. The **Pedestrian and Evacuation Dynamics (PED)** conference is calling for papers to address both pedestrian and evacuation dynamics and associated human behavior to provide answers for policy makers, designers, and emergency management to solve real world problems in this rapidly developing field.

The 5th PED Conference will take place at the National Institute of Standards and Technology in Maryland from March 8 - 10, 2010. The conference is expected to cover areas such as:

New data relating to human performance: Understanding human performance in emergency and non-emergency scenarios, including experiments, drills, and the investigation of real incidents. • New insights into our understanding of evacuation/pedestrian dynamics derived from new or existing human performance data. • New methods of data collection, extraction, and data analysis.

New modeling of evacuation and pedestrian dynamics: Advances in evacuation/pedestrian dynamics models that utilize a novel approach to modeling movement and/or behavior. • New modeling capabilities that utilize a novel approach within existing models. • New insights into our understanding of evacuation/pedestrian dynamics derived from modeling. • Validation efforts associated with evacuation/pedestrian models.

Novel applications of models or methods: Challenging engineering applications of emergency/non-emergency models. • Regulatory challenges associated with engineering applications. • New methods of generating/presenting model results.

Abstract Information: This is a call for both **papers and posters** presenting research on the topics listed above or related areas. Posters and papers will be considered separately. Posters are intended to allow those working in the field to exhibit and discuss work in progress and/or work that is best presented graphically using the poster format. Poster abstracts should be no longer than one page and paper abstracts should be no longer than two pages. The conference proceedings will include both full papers as well as written submissions from accepted posters. Please submit abstracts for both posters and papers online at <https://www.softconf.com/a/PED2010/>. Submission details can be found at the conference website at <http://www.ped2010.org>.

Submission dates:

Deadline for abstract submission: July 31, 2009
Notification of acceptance: September 30, 2009
Final papers are due: January 31, 2010