

Call for Papers

Safety Science

Special Issue: Evacuation and Pedestrian Dynamics

Guest Editor: Professor Ed Galea, FSEG, University of Greenwich

A special issue of the journal *Safety Science* with a focus on evacuation and pedestrian dynamics is planned for publication before the end of 2010.

The modelling of evacuation and pedestrian dynamics has increased significantly over the past 10 years, reflecting the growing prominence of performance-based safety codes globally and the desire to achieve ever higher levels of safety, efficiency and comfort in pedestrian systems. The dual need for relevant data to base a rigorous theoretical framework for the development and validation of these models has in turn driven interest in experimental human factors research.

The special issue will provide an opportunity for researchers and practitioners to present the most recent developments in evacuation and pedestrian dynamics research. The focus of the issue is intentionally broad, covering evacuation and pedestrian dynamics, modelling and experimental research, in the built, urban, maritime, aviation and rail environments. Original contributions are invited in the areas of:

i) Human behaviour and performance:

For example, papers describing:

- a) new data generated from experimental investigations of human performance in evacuation/pedestrian situations.
- b) new data generated from analysis of real incidents.
- c) Innovative methods for the collection of human factors data.

ii) Computer simulation models:

For example, papers describing:

- a) new evacuation/pedestrian models that utilise a NOVEL or NEW approach to modelling movement and/or behaviour.
- b) new human behaviour modelling capabilities within existing evacuation/pedestrian models.
- c) new insights into our understanding of human behaviour and performance in evacuation/pedestrian situations derived through computer simulations.

iii) Engineering human behaviour in practice:

For example, papers describing:

- a) translating theory into practice
- b) challenging human behaviour issues in engineering design e.g. use of elevators for evacuation, vulnerable groups, etc
- c) regulatory challenges associated with engineering human behaviour.

Papers will be peer-reviewed within three months after the deadline of full paper submission, followed by two months for paper revisions and review. Please advise Professor Galea of your intention to submit a paper.

Important dates

Formal announcement of the special issue: October, 2009

Deadline for full paper submission: March 31st, 2010

Date for completion of the review process: June 30th, 2010

Date for final paper submission: August 31st, 2010

The Guide for Authors for paper preparation can be found at:

http://www.elsevier.com/wps/find/journaldescription.cws_home/505657/authorinstructions

Papers in PDF, Postscript or MS Word are to be sent via email attachment (electronic submission only) to Professor Galea at: E.R.Galea@gre.ac.uk.

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