

## Modelling Pedestrian Movement

AECOM (corporate)

### About the Book

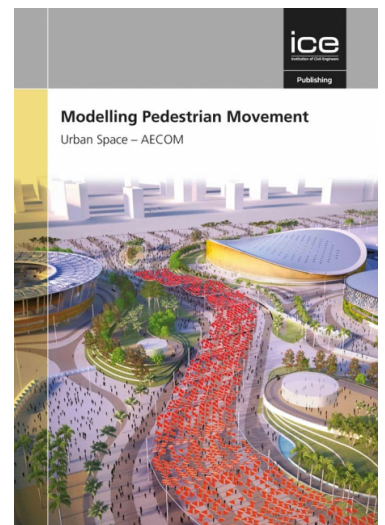
*Modelling Pedestrian Movement* provides a detailed introduction to the principles and practices involved in simulating pedestrian and crowd flow patterns. The contents of the book include fundamental research on pedestrian movement; the theories, techniques and tools for pedestrian modelling, and a range of original case studies that illustrate how pedestrian modelling can facilitate design and safety decisions.

Part I on data and techniques provides guidance on data collection, uses of both macroscopic and microscopic simulation model development, and approaches to analysis and interpretation of model outputs. The global case studies in Part 2 include examples of pedestrian modelling for complex buildings, major events, rail interchanges, airport terminals and public spaces.

*Modelling Pedestrian Movement:*

- shows how pedestrian modelling can be used to validate design, reduce congestion, and facilitate successful operational planning of access, safety and security
- assumes no prior knowledge of pedestrian modelling or pedestrian dynamics
- includes 12 international case studies demonstrating a range of applications

*Modelling Pedestrian Movement* is a unique indispensable guide for transport planners, modelling professionals, urban designers, architects, fire engineers, and students of these subject areas.



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