

International Journal of

Human Factors Modelling and Simulation

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Scope of the Journal

ISSN: 1742-5549 (Print), ISSN: 1742-5557 (Online)

Modelling and simulation provide methods to support the design, engineering and evaluation of systems. For applications involving humans, it is essential to consider relevant human factors throughout this process. Human factors offer findings and knowledge for this. This enables physical, cognitive and organisational models. IJHFMS presents developments in this domain and insights into the state-of-the art of digital human modelling and simulation and its successful applications. IJHFMS also presents innovative technologies and topics to highlight their importance for future developments.

Contents

IJHFMS publishes peer-reviewed original papers, review papers, technical reports, case studies, selected conference reports, management reports, book reviews, notes, commentaries and news. Special issues devoted to related human factors modelling and simulation issues are periodically arranged by the Editor.

Topics covered include:

- Digital human modelling and simulation with a focus on anthropometry/biomechanics/biokinetics
- Human behaviour modelling and cognitive modelling, including artificial intelligence
- Human performance modelling and human factors in system design and development
- Developments in the generation of virtual humans in virtual simulations and virtual reality
- Artificial intelligence to understand and model human factors
- Human factor topics related to human behaviour modelling and human performance, including experiences in virtual simulation and virtual/augmented environments
- Simulation of human behaviours, skills and competences in terms of advanced training and serious gaming
- Planning and application of innovative technologies for intuitive human-technology interaction and intelligent assistance



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