



**21st International Conference
on Human-Computer Interaction
Walt Disney World Swan and Dolphin Resort
Orlando, Florida, USA
26 - 31 July 2019**

<http://2019.hci.international/>

ADVANCE CALL FOR PARTICIPATION

DHM 2019

**10th International Conference on Digital Human
Modeling & Applications in Health, Safety,
Ergonomics & Risk Management (DHM)**

*Jointly held under one management and one
registration with HCI International 2019*

Chair: Vincent Duffy

Software representations of humans, including aspects of anthropometry, biometrics, motion capture and prediction, as well as cognition modelling, are known as digital human models (DHM), and are widely used in a variety of complex application domains where it is important to foresee and simulate human behavior, performance, safety, health and comfort.

Automation depicting human emotion, social interaction and functional capabilities can also be modeled to support and assist in predicting human response in real world settings. Such domains include medical and nursing applications, education and learning, ergonomics and design, as well as safety and risk management.

The DHM Conference, an affiliated conference of the HCI International Conference, arrived at its 10th edition and solicits papers from academics, researchers, industry and professionals, on a broad range of theoretical and applied issues related to Digital Human Modelling and its applications.

The related topics include, but are not limited to:

- Agent Modeling and Work Design
- Anthropometry, Ergonomics, Design and Comfort
- Artificial Intelligence
- Automated Driving
- Biometrics
- Bayesian Network Applications in Decision Making
- Data Mining and Decision Making
- Disease Tracking Models
- Education
- Energy Management & Smart Grid Applications
- Eye tracking and Modeling Service Quality
- Future of Work at the Human-Technology Frontier
- Gamification and Learning
- Human Behavior and Cognition
- Human-Robot Interaction
- Occupational Health
- Operations Management
- Pedestrians and Reaction Time
- Physiology and Disease Tracking Models
- Quality and Safety in Healthcare
- Recommender Systems & Consumer Behavior
- Regenerative Nanomedicine
- Reliability & Risk Assessment
- Smart Cities, Transportation and Tourism
- Smart Human-Centered Service System Design
- Task Analysis and Visualization of Information

Conference proceedings published by

