DHM 2024
14TH INTERNATIONAL CONFERENCE ON DIGITAL HUMAN MODELING AND APPLICATIONS IN HEALTH, SAFETY, ERGONOMICS AND RISK MANAGEMENT

HCI International 2024

29 June - 4 July 2024
Washington Hilton Hotel,
Washington DC, USA

Jointly held under one management and one registration with HCI International 2024

https://2024.hci.international/dhm

Chair
Vincent G. Duffy (duffy@purdue.edu)

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 15th 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:

- Artificial Intelligence & Smart Services
- Autonomous Driving, Avatars & Pedestrians
- Biometrics, Human Identification and Cyber-Security
- Bibliometric Analysis & Text-based Content Analysis
- Clothing and Comfort
- Collaboration and Manufacturing
- Elderly and Innovation
- Emotional Response
- Ergonomics and Fatigue
- Exoskeleton and Safety
- Eye tracking & Observing Service Quality
- Face Reader Synchronization with Response
- Fashion Design & Communication Sciences
- Gamification and Game-Based Learning

- Gestures & Human-Robot Interaction
- Integrating Social & Ethical Requirements
- Job Design and Changing Nature of Work
- Multimodal physiological measures
- Patients and Healthcare
- Personal Protective Equipment
- Posture, Manikin and Simulation
- Social Robotics
- Space Human Factors
- Systems, People and Performance
- Tasks and Usability
- Text Mining & Content Analysis
- Users and Workplace
- Wellness, Health and Well-being

Submission deadlines are available at the HCII 2024 website:
http://2024.hci.international/submissions

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