



HCI International 2026

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DHM 2026

17TH INTERNATIONAL CONFERENCE ON DIGITAL HUMAN MODELING & APPLICATIONS IN HEALTH, SAFETY, ERGONOMICS & RISK MANAGEMENT

Jointly held under one management and one registration with HCI International 2026

<https://2026.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.

AI, behavior modeling, data ethics and analytics are expanding opportunities, beyond the physical models that influenced early DHM development. 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 17th 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:

- 4D Scanner and Sports Apparel Design
- Anthropometry, Clothing and Comfort
- Artificial Intelligence & Smart Services
- Autonomous Driving, Avatars & Pedestrians
- Biometrics, Human Identification and Cyber-Security
- Bibliometric Analysis & Text-based Content Analysis
- Collaborative Robots
- Emotional Response and Face Reader
- Ergonomics and Fatigue
- Exoskeleton and Safety
- Eye tracking & Observing Service Quality
- Fashion Design & Communication Sciences
- Future of Work and Job Design
- Gamification and Game-Based Learning
- Human-Centered Generative Design
- Human-Robot Interaction
- Integrating Social & Ethical Requirements
- Job Design and Changing Nature of Work
- Large Language Models (LLM) and Customized AI
- Multimodal physiological measures
- Patients and Healthcare
- Personal Protective Equipment
- Posture, Manikin and Simulation
- Sensing and Fall Prevention
- Social Robotics
- Space Human Factors and Usability
- Transformative Potential of AI
- Well-being, Health and Safety

**Submission deadlines are available at the
HCII 2026 website:**

<https://2026.hci.international/submissions.html>

Conference proceedings published by

