



HCI International 2013

15th International Conference
on Human-Computer Interaction
21-26 July 2013, Las Vegas, NV, USA
The Mirage Hotel
www.hcii2013.org

Call for Participation

for an affiliated conference
in the context of HCI International 2013

DHM 2013

**Fourth International Conference on Digital
Human Modeling and applications
in Health, Safety, Ergonomics and Risk
Management**

Chair: Vincent Duffy, USA and Russia

Computer-based applications support improvements in healthcare, ergonomics, health and safety, risk management and sustainability. Such applications and related research developments are particularly welcome within this thematic area. Many of these are later more formally developed into predictive human models with epidemiology and economic justification. Special sessions, panels and forums will emphasize outcomes in safety, environment and health, including product fit, biomechanics, industrial ecology, work design, patient safety, healthcare information technology, transportation human factors, population health and technology-society interaction.

Predictive capabilities of human behavior and performance in complex situations can facilitate design and evaluation of products and technologies. Models may include the physical, cognitive, organizational, social, environmental and emotional aspects of human beings and of particular populations. The research is intended to enable human factors and ergonomics to be considered earlier in the design process, reduce the need for physical prototyping of devices and systems, improve safety, health and time-to-market. An international forum will be provided for the dissemination and exchange of scientific information on theoretical, generic, and applied issues of modeling, including mathematical and visualization issues.

The HCII 2013 Conference Proceedings will be published by **Springer** in a multi-volume set. Papers will appear in volumes of the LNCS and LNAI series. Extended Poster abstracts will be published in the CCIS series. All volumes will be available on-line through the SpringerLink Digital Library, readily accessible by all subscribing libraries around the world, and will be indexed by a number of services including EI and ISI CPCI-S.



Areas of interest of the DHM 2013 Conference include, but are not limited to those listed here:

- Active Safety & Cognitive Modeling
- Anthropometry
- Comfort, Lift & Reach Modeling
- Computer Aided Ergonomics & Engineering Analysis
- Decisions in Climate, Energy & Environment
- Design for Limited Mobility Users
- Driving Safety and Human Performance
- Environmental Ergonomics
- Ergonomics of Work With Computers
- Health Aspects of Work with Computers
- Healthcare IT & Predicting Adoption
- Impact Biomechanics
- Medical Error & Simulation
- Motion Prediction and Motion Capture
- Patient Safety
- Posture Prediction and Analysis
- Product Design
- Safety Systems Integration
- Sick Building Syndrome
- Quality in Healthcare
- System of Systems
- Transportation Human Factors
- Verification and Validation
- Virtual Physiological Human
- Work Organization & Agent Modeling