

7th International
**DIGITAL HUMAN
MODELING SYMPOSIUM**
&
3rd Annual
**IOWA VIRTUAL
HUMAN SUMMIT**

August 29-31, 2022, Iowa City, Iowa, USA
Hosted by the University of Iowa Technology Institute

→ ITI.UIOWA.EDU/DHM2022



IOWA

Technology
Institute

The University of Iowa Technology Institute is proud to host the 7th International Digital Human Modeling Symposium (DHM 2022) and the 3rd Annual Iowa Virtual Human Summit (IVHS), Aug. 29-31, 2022. The event is being held at the Graduate Iowa City Hotel and Convention Center in Iowa City, Iowa, with optional virtual participation.



Scope

The **DHM 2022** provides an international forum for researchers to report their latest innovations, summarize the state of the art in the field, and exchange ideas, results, and visions in all fields of digital human modeling research and applications.

The **Iowa Virtual Human Summit** provides a forum for subject matter experts in the field of virtual human modeling and simulation to reveal their latest innovations, highlight the state of the art in the field, describe technical gaps and needs from a customer perspective, and form new relationships to advance the application and utility of virtual humans.

Topic areas

- Anthropometry and 3D human body modeling
- Human functional data (e.g., joint maximum strength, joint range of motion)
- Musculoskeletal human models
- Motion capture and reconstruction
- Posture and motion simulation
- Modeling for subjective responses (e.g., ingress/egress, seat comfort)
- Applications and software demonstration
- Virtual reality and DHM
- Mental/cognitive models and integrated models
- Older, disabled, and other special populations
- Verification and validation of DHMs
- Model standards and protocols
- Body part modeling (spine, pelvis, head, hand and foot modeling)
- Virtual humans' appearance
- Biomechanical modeling
- Human vibration modeling
- DHM in safety applications
- DHM in game applications

Conference Leadership

Chair: Karim Malek, PhD
University of Iowa

Co-Chair: Gunther Paul, PhD
James Cook University



Important Dates

Abstracts due:

Jan 28, 2022

Acceptance notifications:

Feb 18, 2022

Full papers due:

May 20, 2022

**DHM 2022 proceedings
will be published at Iowa
Research Online (ISSN 2476-
1680 [online]).**





Registration is expected to open in late 2021. Visit the DHM/IVHS 2022 website for more details and join the DHM mailing list for updates and reminders.

Tentative pricing

General registration: \$650 (USD)* | Students \$175 (USD)*

* DHM 2022 and IVHS are being planned as in-person events. The organizing committee is providing a virtual option to allow greatest access to participate given uncertainties and restrictions surrounding the pandemic.

IOWA

Technology Institute

More Information

- ITI-EVENT@UIOWA.EDU
- ITI.UIOWA.EDU/DHM2022