

HOST PROPOSAL

DHM 2028

Reims, Champagne-Ardenne

Digital Human Modelling Symposium

A symposium connecting academic research
with clinical applications

University of Reims Champagne-Ardenne
Reims University Hospital

Proposed candidacy

REIMS
Champagne-Ardenne

DHM: Models and Applications

A host proposal focused on the validation and practical value of digital human models

Scientific Advances

Biomechanical and physiological models

Simulation of movement and interactions

Integration of data and artificial intelligence

Key Challenges

Validation against experimental measurements

Representation of human diversity

Translation into clinical and ergonomic applications

Reims: Bringing researchers, clinicians and designers together

Why Reims? An Accessible Destination

A congress destination in the heart of Champagne



Champagne vineyards and Reims Cathedral

International Access

Paris to Reims: approximately 45 min by TGV

Roissy-CDG to Champagne-Ardenne TGV: approximately 30 min

Connections depend on train schedules

Renowned heritage, a university and a university hospital

URCA: The Symposium's Academic Foundation

University of Reims Champagne-Ardenne



Moulin de la Housse Campus, Reims

A Multidisciplinary University

Science and technology
Health and sport sciences

A Health Hub supporting research and education

Proposed Contribution to DHM

Scientific committee and researcher involvement

Workshops for doctoral students and early-career researchers

Reims University Hospital: The Clinical Foundation

Connecting human modelling with healthcare and rehabilitation needs



Reception area, Christian-Cabrol Building, Reims University Hospital

A University Hospital Environment

A referral hospital serving Champagne-Ardenne and modernising its healthcare services

Proposed Symposium Applications

Movement analysis, rehabilitation, assistive technologies and clinical validation of models

An Environment for Collaboration

A proposed organisation drawing on scientific expertise and local resources

University of Reims Champagne-Ardenne

- Research and education
- Modelling, measurement and data analysis
- Doctoral student participation

Reims University Hospital

- Clinical questions
- Functional assessment and rehabilitation
- Discussion of model validation

Congress Services

- Logistical support to be arranged
- Conference and exhibition spaces
- Participant services

The Champagne Region

- Champagne heritage and craftsmanship
- Cultural programme and networking
- International visibility for the destination

Partnerships and responsibilities to be agreed with the institutions concerned

Venues for an International Symposium

Reims Congress Centre and proposed university venues



Auditorium at Reims Congress Centre

Congress Centre

Two auditoriums: approximately 700 and 350 seats

Twelve meeting rooms

Poster and exhibition spaces

Main venue and workshops to match attendance, budget and availability

Proposed Host Team Structure

Proposed governance linking academic research, clinical expertise and event delivery

Symposium Leadership

Host proposal coordination
Liaison with DHM governing bodies
Budget and partnership management

Scientific Committee

URCA researchers and invited experts
Abstract selection
Scientific programme and peer review

Clinical Coordination

Hospital clinicians and teams to be invited
Sessions on clinical applications
Coordination of approved demonstrations

Organisation and Participant Services

Local partners and service providers to be engaged
Registration, accommodation and transport
Cultural programme in Champagne

Team membership and institutional commitments to be confirmed

Proposed Scientific Programme and Format

Three scientific days, preceded by participant arrival and welcome activities

Scientific Themes

01 Biomechanics and human movement
02 Data acquisition and artificial intelligence
03 Modelling, simulation and validation
04 Rehabilitation and clinical applications
05 Ergonomics and human–technology interaction
06 Diversity, ethics and data sharing

Target Participants

Researchers and academics
Clinicians and healthcare professionals
Engineers and industry representatives
Doctoral and early-career researchers

Welcome

Arrival and registration
Welcome reception

Day 1

Opening and plenaries
Oral talks and posters

Day 2

Thematic sessions
Workshops and demonstrations

Day 3

Applications and future directions
Closing session

Champagne: A Setting for Networking

A proposed cultural programme complementing scientific exchange



Reims chalk cellars: Champagne's underground heritage

Champagne Heritage

Champagne Hillsides, Houses and Cellars inscribed on the UNESCO World Heritage List in 2015

Participant Networking

Cellar tours and Champagne craftsmanship
Reception or dinner in Champagne
Activities subject to availability and budget