



3DBODY.TECH

Conference & Expo

20-21 October 2026
Lugano, Switzerland



17th 3DBODY.TECH Conference & Expo

Lugano, Switzerland · 20-21 October 2026

Welcome to Lugano!

Hometrica Consulting
Dr Nicola D'Apuzzo

Conference Program - Sessions

2 Full Days

1 Opening Session

14 Technical Session in Dual-Track

3rd Track for Exhibitors' Live Demo

1 Plenary Keynotes Session

Total: over 80 presentations

3DBODY.TECH 2026 - PROGRAM

Tuesday 20 October 2026

Wednesday 21 October 2026

Opening Session Opening Speech & Short Presentations from GOLD and SILVER Exhibitors		Exhibition	Technical Session 7 3D/4D Hand & Foot Scanning		Technical Session 8 3D/4D Body Scanning for Apparel II		Exhibition		
Technical Session 1 Digital Anthropometry & Ergonomics/HF			Technical Session 2 Mobile 3D Body Scanning & Measurement		Technical Session 9 3D/4D Body Scanning in Medicine & Health I			Technical Session 10 3D/4D Capture, Technologies & Applications I	
Technical Session 3 3D/4D Body Scanning for Health & Sport			Technical Session 4 3D/4D Body Scanning for Apparel I		Plenary Session - Keynotes				
Technical Session 5 Anthropometric & Sizing Surveys			Technical Session 6 Face/Body Modeling, Digital Humans & Avatars		Technical Session 11 3D/4D Body Scanning in Medicine & Health II			Technical Session 12 3D/4D Body Data & Body Processing Technologies	
Welcome Cocktail				Technical Session 13 3D/4D Capture, Technologies & Applications II		Technical Session 14 3D/4D Body Scanning for Apparel III			

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3rd Track for Exhibitors' Live Demo

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Pre-Conference Add-on Workshop

Digital Manufacturing in Orthopedics

Antonius Köster & TOPlus

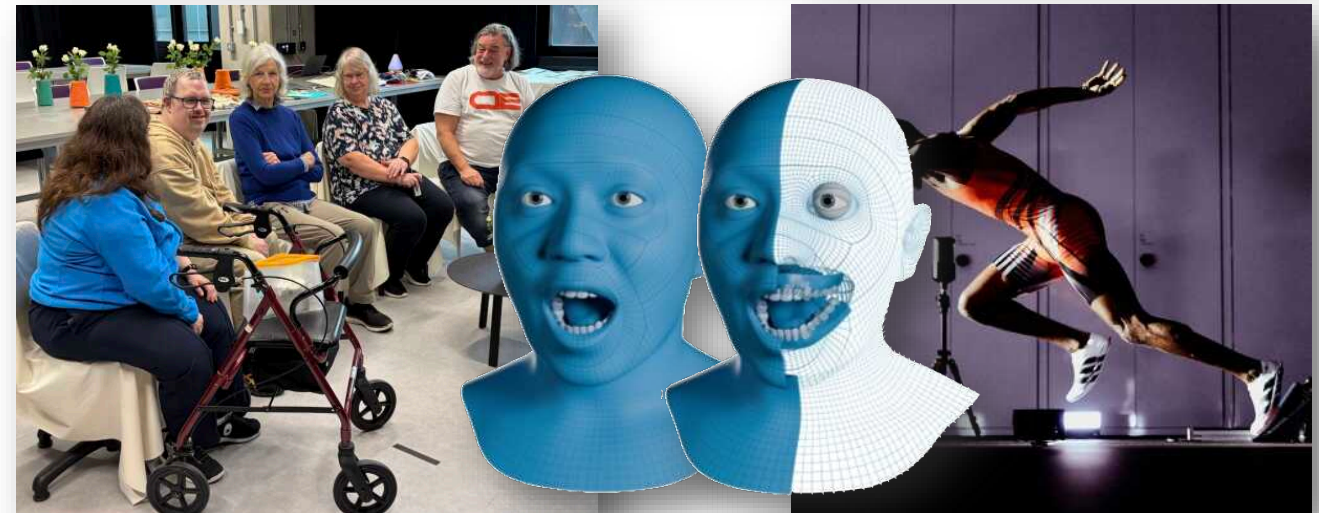
3 Invited Speakers

Craig CRAWFORD, CEO/CTO, Differently Enabled

Dr Thabo BEELER, Research Director, Google

Fabian SCHWEIZER, Global Director APEX, adidas

3DBODY.TECH 2026
Conference & Expo 20-21 Oct.



DE DIFFERENTLY ENABLED

Google

adidas

Conference Program - Sessions

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3rd Track for Exhibitors' Live Demo

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Pre-Conference Add-on Workshop

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Antonius Köster & TOPlus

4 Invited Talks

Visbody Intelligent Technology
EA Create Capture, Electronic Arts
Virtopsy Research Lab, University Zurich
CAMERA, University of Bath



Conference Program - Sessions

Multidisciplinary Event - Presentations on:

3D&4D body scanning & capture

3D&4D body data & processing

Fashion/apparel sector

Medical & health sectors

Sport & fitness sectors

CG, gaming, entertainment sectors

Anthropometrics & Ergonomics/HF

4D Scanning



AI/ML



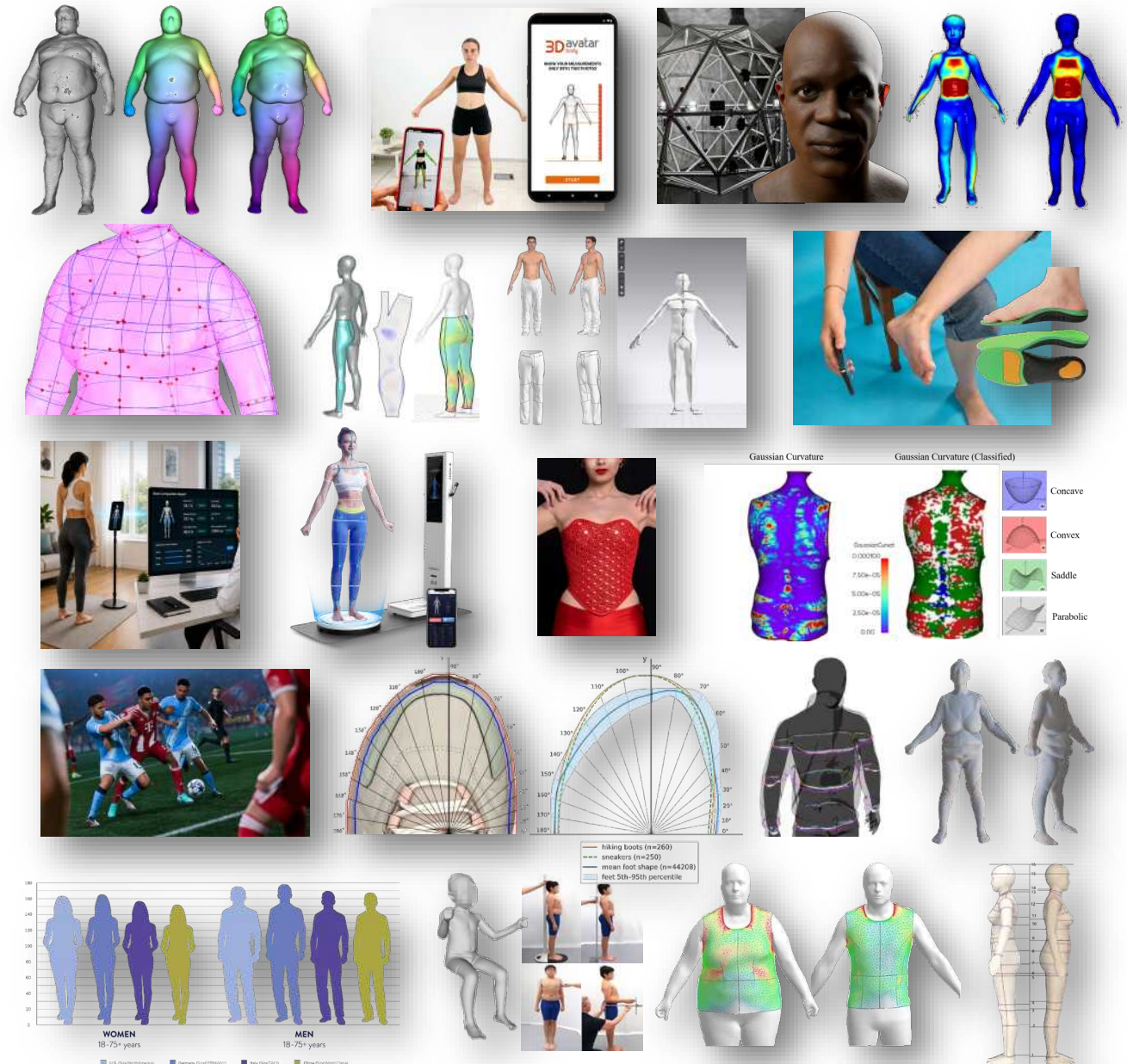
Mobile Apps



VR/AR



3D Printing



Conference Program - Expo

3 GOLD Exhibitors



9 SILVER Exhibitors



10 BRONZE Exhibitors



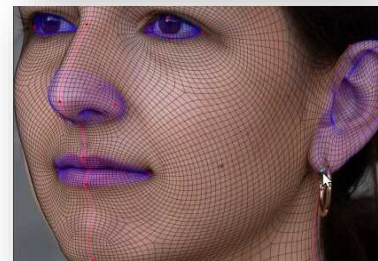
TRACK 3 - Exhibitors' Live Stream:

14 Live Demonstrations from Exhibitors

Live Stream onto the Event Platform/App

Recordings will be available

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Conference & Expo 20-21 Oct.



Conference & Expo - Onsite & Online

Onsite

Technical Sessions: Room B1, Room C

Exhibition: Room B2/2

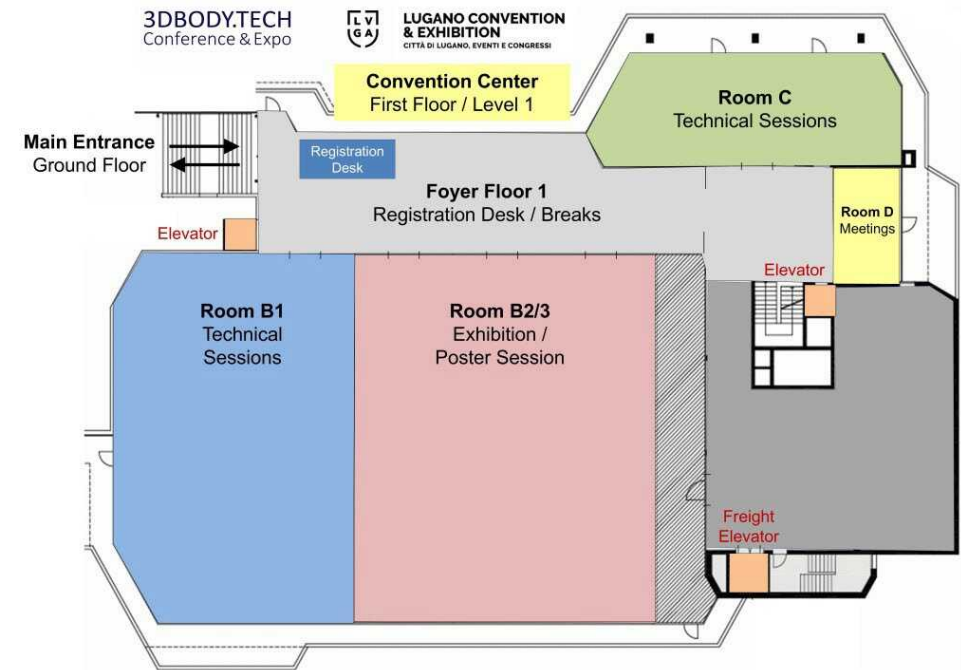
Coffee/Lunch Breaks: Foyer

Onsite + Online

Event Platform/App

Both for Onsite and Online Participants

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Conference & Expo 20-21 Oct.



Coffee breaks, lunch breaks

Breaks with coffee, refreshments and small bites are offered and will be served in the foyer

Lunches in boxes are also offered and will be distributed during the lunch breaks in the foyer

Coffee & water will be available all day long starting from 9:30 am



Welcome Cocktail

Welcome cocktail with finger food, soft drinks and local wine (red, white, sparkling)
This evening after the end of technical sessions 5&6, 6:10 pm, served in the foyer

Offered, with the kind support of the City of Lugano



It will help increasing networking opportunities



Thanks

Participants
onsite+online

Speakers

Exhibitors

Chairmen

Committee

Technical Team
Convention Center
A/V Team EventMore

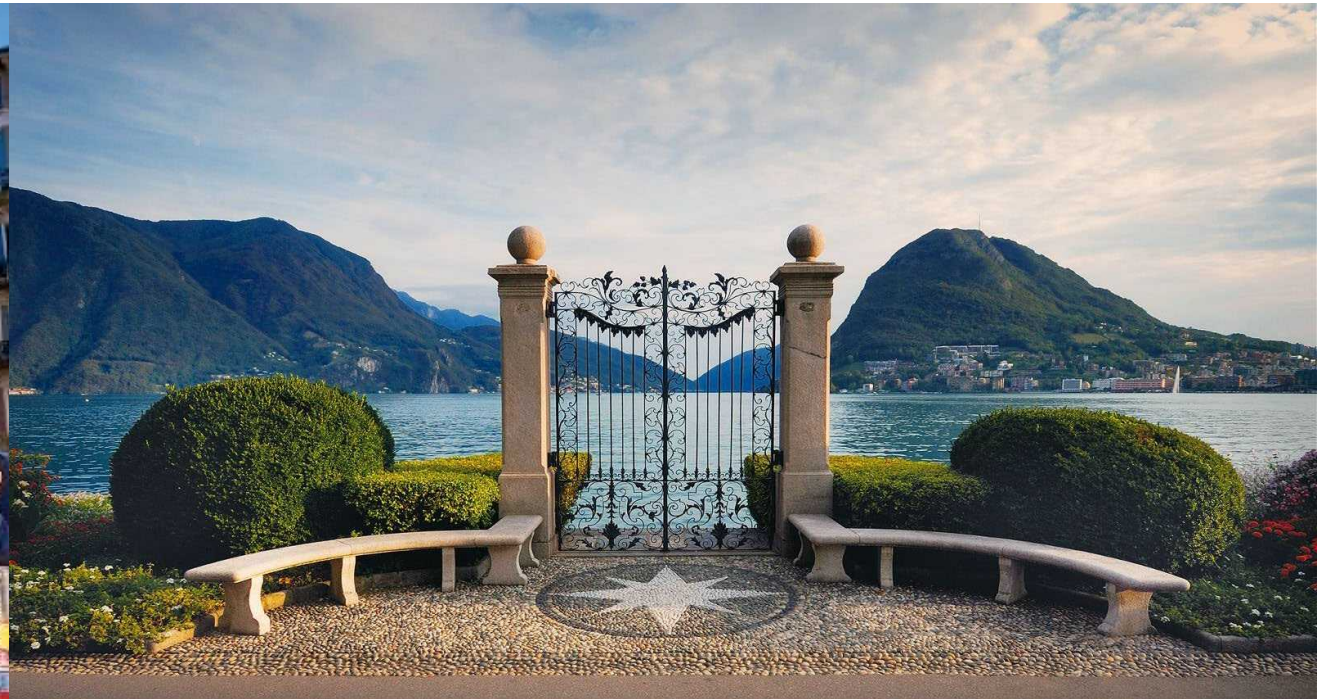
Registration Desk



17th 3DBODY.TECH Conference & Expo

Lugano, Switzerland · 20-21 October 2026

I wish you a great time during
these two very intensive days
at the conference & exhibition
and in Lugano (if you are onsite)



Short Presentations from GOLD & SILVER Exhibitors

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-  Richard ALLEN, Technology Sales and Support - **Size Stream**
-  Beatriz MANAS BALLESTER, Business Development Manager - **IBV**
-  Markus MAURER, Manager 3D Bodyscan - **BodyLoop**
-  Yiwen MA, Business Development Lead - **Astrivis Technologies**
-  Dr Stanislao GRAZIOSO, CEO - **BeyondShape**
-  Dr Martin GROEBER, Senior Manager - **Humanetics Digital**
-  Dr Eduard COJOCEA, CTO - **Esenca Sizing**
-  Artem KOCHUROV, Product Manager - **KeenTools**
-  Andrejs NEIMANIS, Lead Researcher - **DIVI Grupa**
-  Hideto Kameshima, CTO - **Spacevision**
-  Cosmin CIOCIRLAN, CPO - **Vesto3D**

SIZE STREAM





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Lugano, Switzerland · 20-21 October 2026

Goodbye from Lugano!

Hometrica Consulting
Dr Nicola D'Apuzzo

Closing Speech

3DBODY.TECH 2026

Impressions during these 2 days

Onsite closing - online still open

Conference proceedings

3DBODY.TECH Journal Vol. 3

Announcements for 2027

3DBODY.TECH 2026 - Impressions during these 2 days



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Conference & Expo 20-21 Oct.

3DBODY.TECH 2026 - Impressions during these 2 days

Day -1: Pre-Conference Workshop

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Conference & Expo 20-21 Oct.



3DBODY.TECH 2026 - Impressions during these 2 days

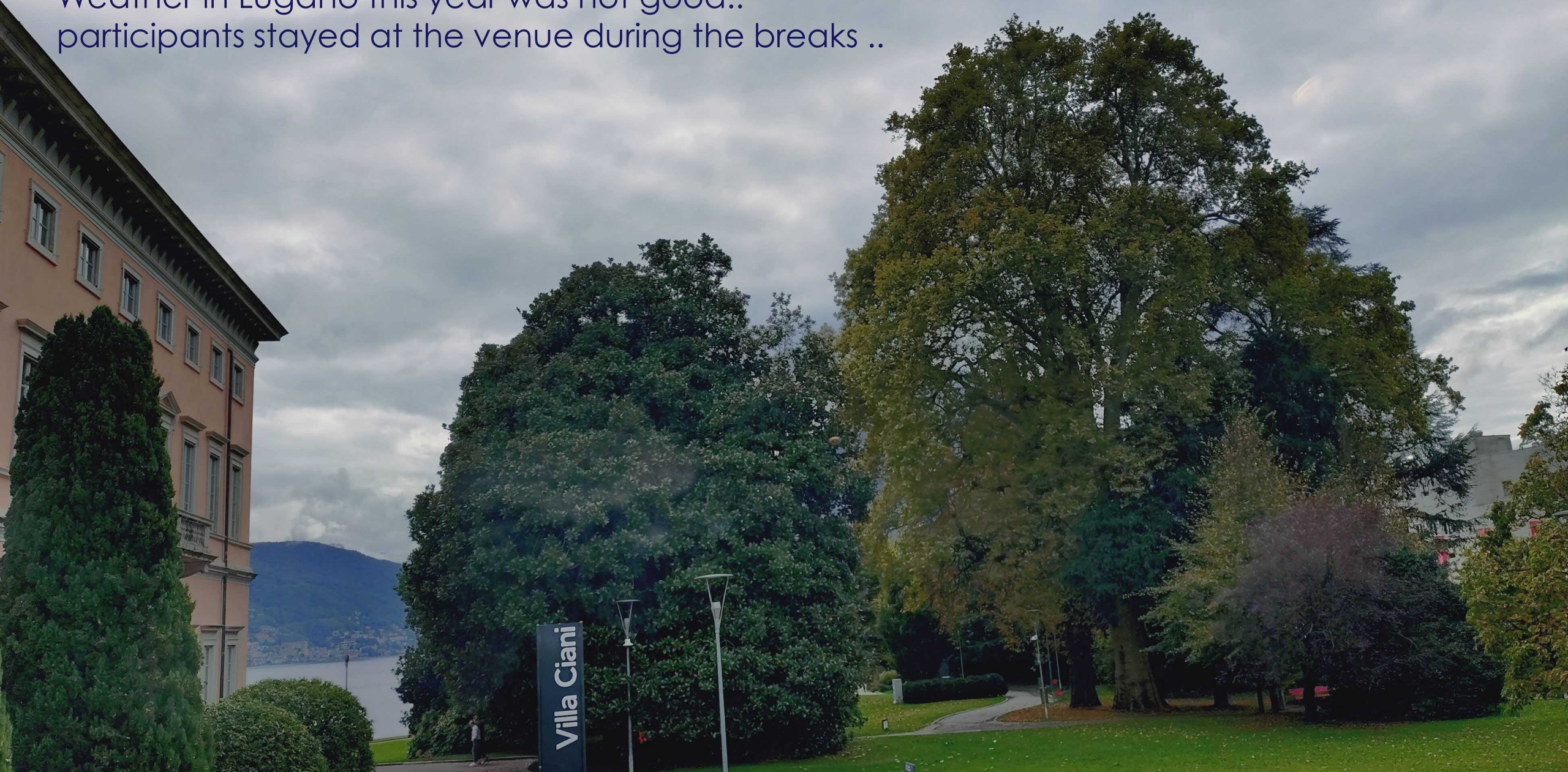
Day -1: Exhibitors setup



3DBODY.TECH 2026 - Impressions during these 2 days

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Conference & Expo 20-21 Oct.

Weather in Lugano this year was not good..
participants stayed at the venue during the breaks ..



3DBODY.TECH 2026 - Impressions during these 2 days

Interesting presentations at the technical sessions

3D Body Scanning for Space Anthropometry: Technology Exploration and Development

K. Han Kim (Leidos, Inc.)
Pouyan Sabahi (KBR, Inc.)
Dan Nguyen (Leidos, Inc.)
Karen Young (Leidos, Inc.)
Nathaniel Newby (NASA Johnson Space Center)

Artificial Intelligence (AI) Usage Disclosure
This document was created with assistance from Microsoft
CoPilot for image retouching, including object highlighting, vendor
and subject deidentification and background removal. The content
has been reviewed and edited by KH Kim.



leidos

KBR

HHP(2)



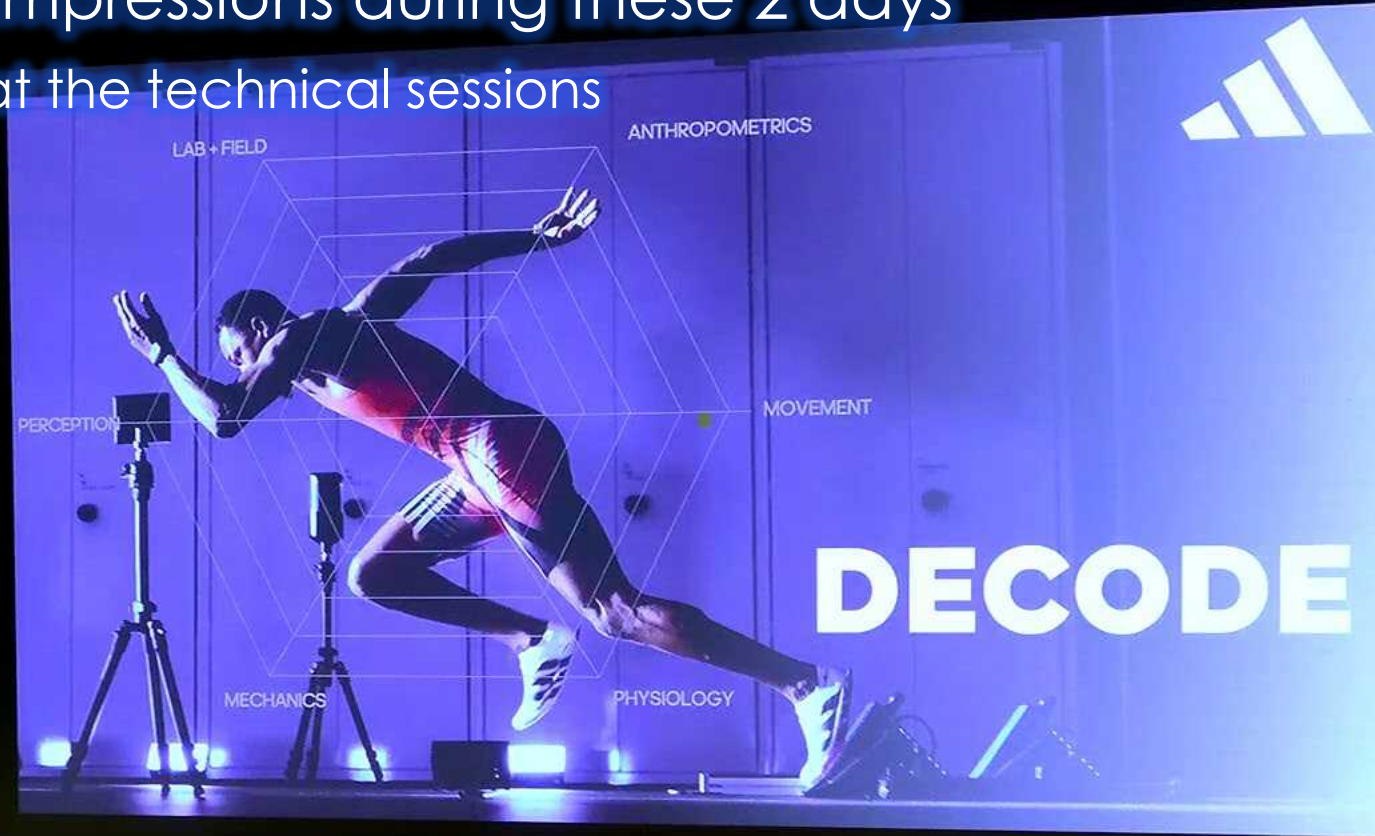
3DBODY.TECH 2026 - Impressions during these 2 days

Interesting presentations at the technical sessions



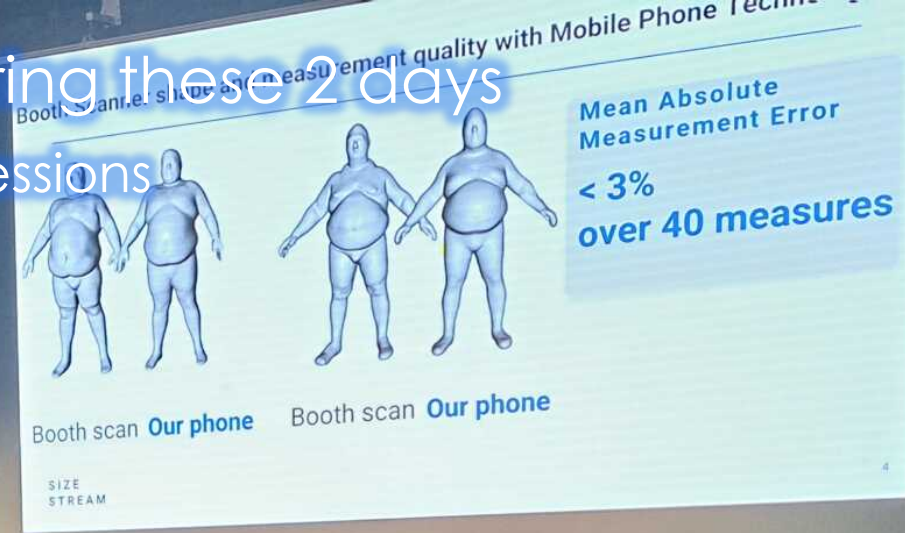
3DBODY.TECH 2026 - Impressions during these 2 days

Interesting presentations at the technical sessions



3DBODY.TECH 2026 - Impressions during these 2 days

Interesting presentations at the technical sessions



3DBODY.TECH 2026 - Impressions during these 2 days

Interesting presentations at the technical sessions

Ongoing Research: Improvements in Body Shape Encoding

- Output shape accuracy is limited by how well we can encode body shape
- Homologous representation
 - Relatively high detail in shape recreation, especially in stomachs, hair etc.
 - Improvements over parametric models in some cases
- Further improvements coming with larger and more sophisticated models
 - Very high level of fidelity in reconstruction while maintaining compatibility with older systems



SIZE STREAM

3DBODY.TECH 2026 - Impressions during these 2 days

Interesting presentations at the technical sessions



CAMERA in Motion

How We Capture Movement from Lab to the Field

Harry Davies and Jake Willott

 **CAMERA**
Centre for the Analysis of Motion,
Entertainment Research and Applications

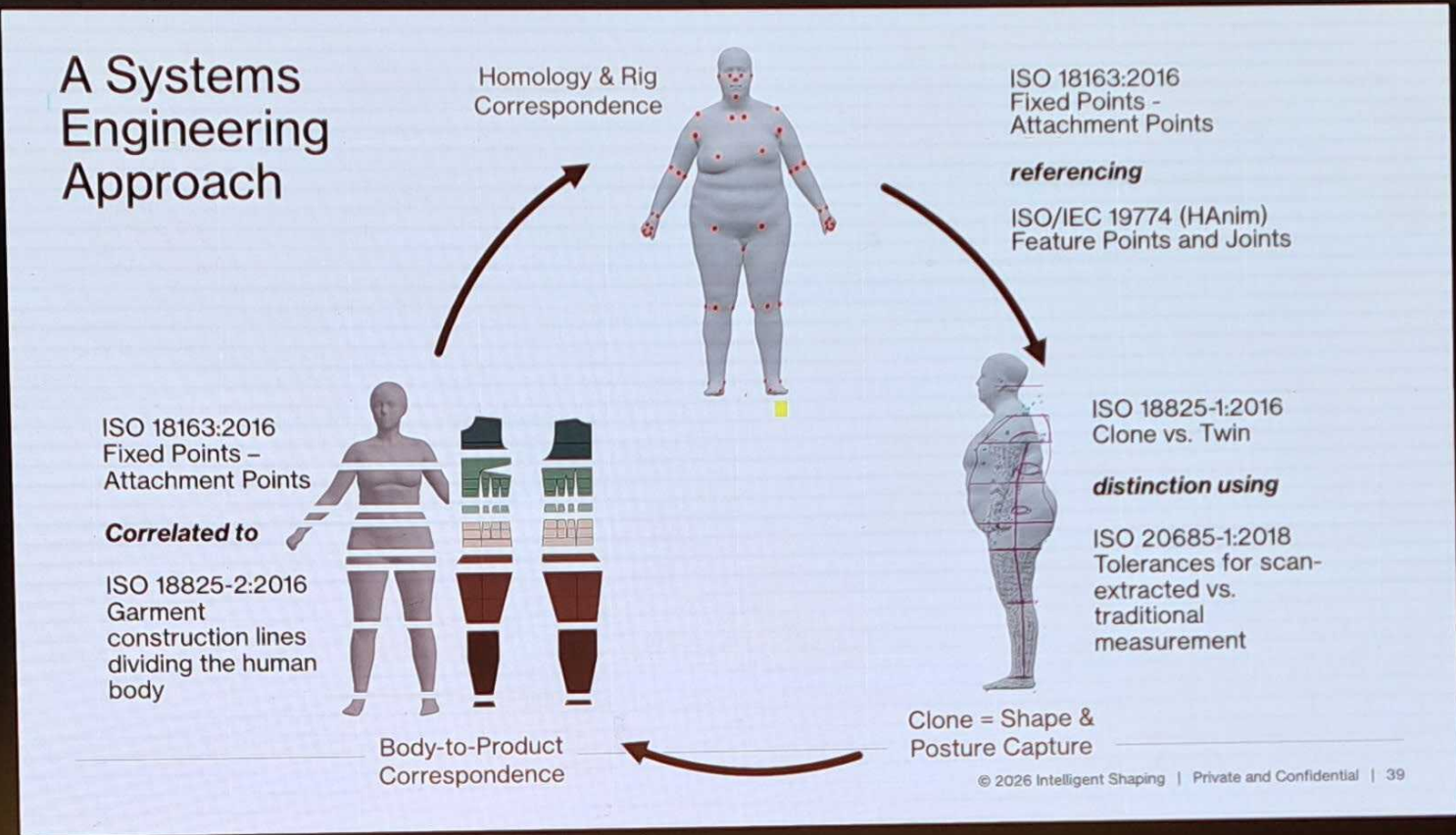
 **UNIVERSITY OF BATH**

 **HgWorld**



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Interesting presentations at the technical sessions



3DBODY.TECH 2026 - Impressions during these 2 days

Interesting presentations at the technical sessions



4D Capture

Electronic Arts

**Larger Scope of
Directional
Lighting Captures**

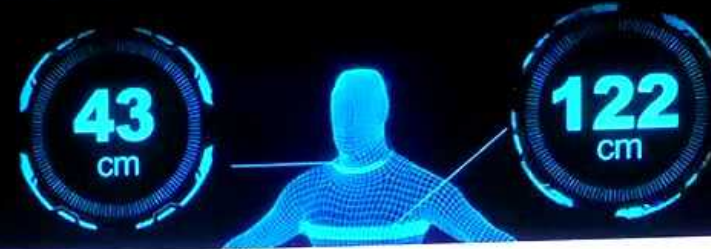
**Markerless
Mocap**



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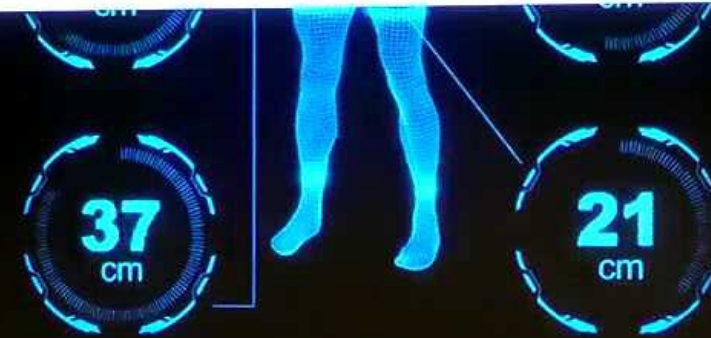
3DBODY.TECH 2026 - Impressions during these 2 days

Interesting presentations at the technical sessions



From Body Scan to Custom Fit

Enabling Personalized Sportswear with 3D Avatar Body



Beatriz Fernández

Innovation Manager

Beatriz.Fernandez@ibv.org

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Interesting presentations at the technical sessions

FROM PHONE PHOTO TO INSOLE // 03

The real challenge

A photo has no depth.

The model must know feet.



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3DBODY.TECH 2026 - Impressions during these 2 days

Interesting presentations at the technical sessions

Miriam Senne, Dr. Christoph Baur (PhD)

MICROWAVE IMAGING & AI FOR ANTHROPOMETRY

From feasibility to fully automatic through-
clothing body measurement



3DBODY.TECH 2026 - Impressions during these 2 days

Interesting presentations at the technical sessions



3DBODY.TECH 2026 AnthroMetric

Research objective

Anthropometric data are a key source for:

- Designing garments and products for a specific target group;
- Evaluation of platform accommodation;
- Development of Digital Human Models;
- Evaluating the effect of personal equipment on posture and mobility;
- And more...

Example: For the design of cockpit geometry, a manufacturer must use a population-specific dataset to determine eye reference points, seat adjustability and instrument panel dimensions.



[1] Mitchell, K. Blake. (2013). STANDARD METHODOLOGY FOR ASSESSMENT OF RANGE OF MOTION WHILE WEARING BODY ARMOR. [2] Mitchell, K. Blake & Choi-Rokim, Hyegoo & Gurlik, Todd. (2017). ANTHROPOMETRY AND RANGE OF MOTION OF THE ENCUMBERED SOLDIER. [3] Oubenhuyzen, A.J.K. (2017). Anthropometric performance of the LAV-2 crew stations

TNO



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3DBODY.TECH 2026 - Impressions during these 2 days

Interesting presentations at the technical sessions

2D Photos



V



Mesh



Solid



Material



Base Color



Normals



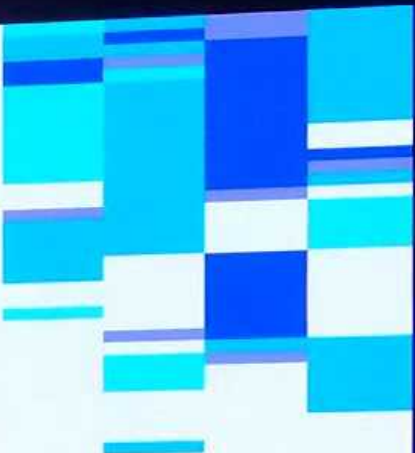
3DBODY.TECH 2026 - Impressions during these 2 days

Interesting presentations at the technical sessions



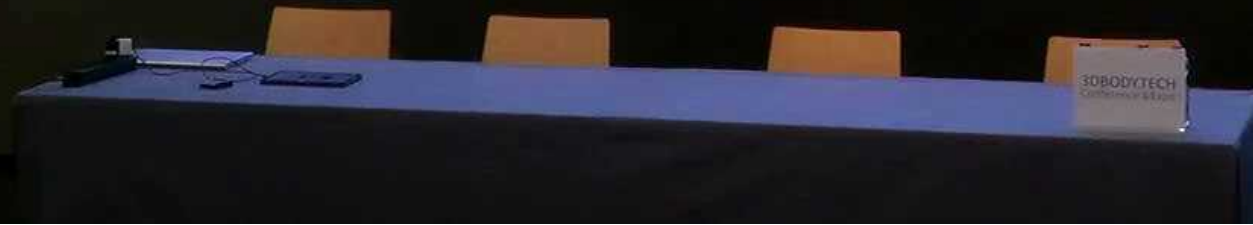
3DBODY.TECH 2026 - Impressions during these 2 days

Interesting presentations at the technical sessions



IEEE 3141-2026, IEEE STANDARD FOR 3D BODY PROCESSING, ACCOMPANIED BY AN EXAMPLE OF DATA PROCESSOR ARCHITECTURE

CAROL MCDONALD, GNEISS CONCEPT
KATHERINE SCHILDMEYER, DESIGN CYCLE SOLUTIONS



3DBODY.TECH 2026 - Impressions during these 2 days

Interesting presentations at the technical sessions



Why YouthShape.US Was Needed

Limitations of Prior U.S. Data:

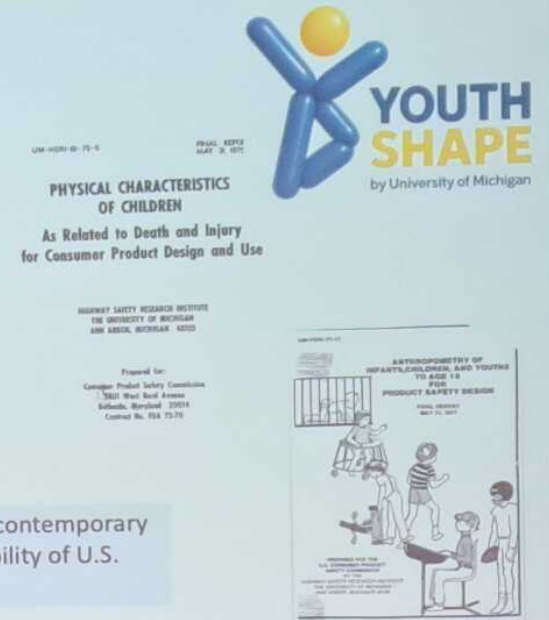
Out of Date: last comprehensive, publicly accessible study was in 1977

1D data: standard body dimensions do not convey size and shape across postures, including head, hands, and feet

Lacking Diversity: even the 1970s data has minimal representation of non-white children

Poor Adolescent Representation: available modern 3D data are primarily from 2-11 years old

YouthShape.US was developed to provide contemporary data on the size, shape, and physical capability of U.S. children and adolescents



3DBODY.TECH 2026 - Impressions during these 2 days

Interesting presentations at the technical sessions



3DBODY.TECH 2026 · SESSION 8

One Selfie, One Fitting Room: (Real) Virtual Try-On for Online Retail

Cosmin Ciocîrlan · Vesto 3D

Lugano · 21 October



3DBODY.TECH 2026 - Impressions during these 2 days

Interesting presentations at the technical sessions

Harmonized Anthropometric and Strength Data of European Children for Standardization and Guidelines for their Effective Use

S. Alemany, T. Huysmans, C. Scheffler, G. Kuechmeister, S. Lentz, I. Caglar, A. Bullas, R. de Bruin, I. Goto, J. Dura-Gil and E. Fallon

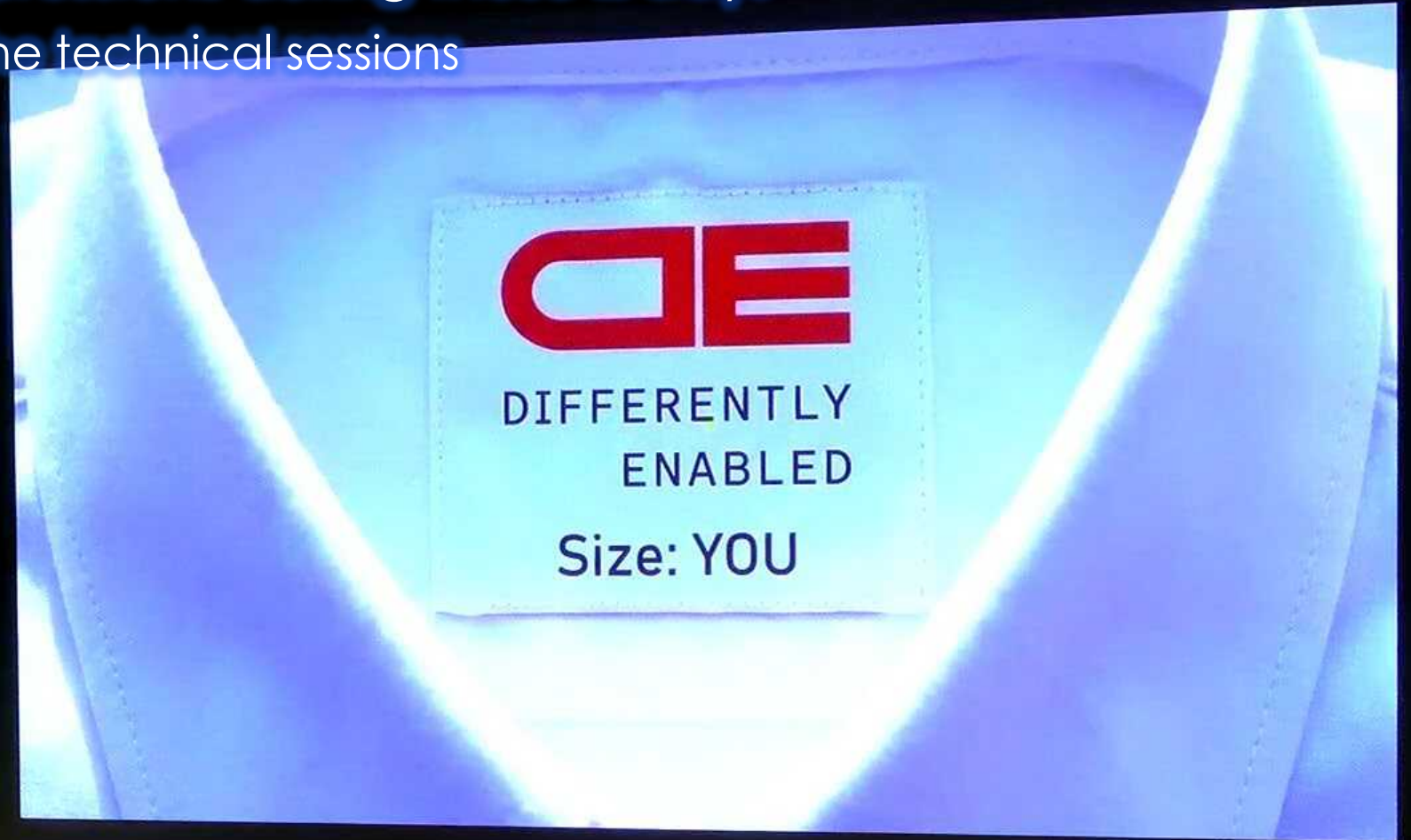
Sandra Alemany

Lead Researcher Anthropometry and Body Scanning
Instituto de Biomechanica de Valencia



3DBODY.TECH 2026 - Impressions during these 2 days

Interesting presentations at the technical sessions



3DBODY.TECH 2026 - Impressions during these 2 days

Interesting presentations at the technical sessions



THE PROBLEM

NEARLY 30% OF ALL CHILDREN UNDER THE AGE OF FIVE SUFFER FROM MALNUTRITION

Stunting:
149 million

children under age five who have low height for their age, reflecting chronic undernutrition.



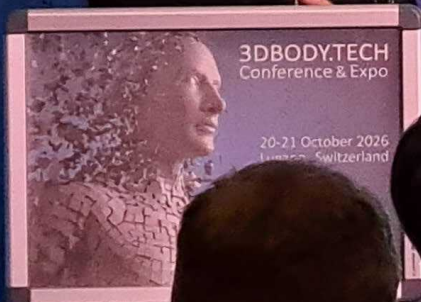
Wasting:
45 million

children under age five who have low weight for their height, reflecting acute undernutrition.

- 200 million globally suffer from malnutrition
- Reliable growth monitoring is key for detecting & treating malnutrition
- Manual growth measurements are error-prone, resource-intensive, and stressful

4

For a world without hunger



3DBODY.TECH 2026 - Impressions during these 2 days

Interesting presentations at the technical sessions

Developing body scan ready parametric workflows from traditional drafting methods

Dr Simeon. Gill, Renhao Wang, Lucy Parnell.

Apparel Design Engineering Group, The Dept. of Materials, The University of Manchester

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Conference & Expo

20-21 October 2026
Lugano, Switzerland

3DBODY.TECH 2026
Conference & Expo 20-21 Oct.

3DBODY.TECH 2026 - Impressions during these 2 days

Interesting presentations at the technical sessions

Capturing Realistic Human Body 3D Data

An Open Dataset and Pipeline for Absolute Anthropometric Measurement

Trine Kirkhus, Marianne Beldsen, Martin Eik Gørtvedsen, Peter Ørskov Iversen, Jonatan Kjekshus Winevold, Gard Spreemann, Øyvind Gleeson Hegg
SINTEF Digital / University of Oslo
3DBODY.TECH 2026 doi.org/10.15221/35.26



ALVITH

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Conference & Expo 20-21 Oct.

3DBODY.TECH 2026 - Impressions during these 2 days
Interesting presentations at the technical sessions

Do Sneaker and Hiking Shoe Toe Boxes Match Female Forefoot Shape? Evidence from 3D Scans of European Women

Ales Jurca^{a,b} and Saso Dzeroski^{c,b}

^aVolumental AB, Stockholm, Sweden

^bJožef Stefan International Postgraduate School, Ljubljana, Slovenia

^cJožef Stefan Institute, Ljubljana, Slovenia

Lugano, Switzerland

October 21, 2026

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Conference & Expo

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Lugano, Switzerland

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Conference & Expo 20-21 Oct.

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Interesting presentations at the technical sessions



3DBODY.TECH 2026 - Impressions during these 2 days

Interesting presentations at the technical sessions

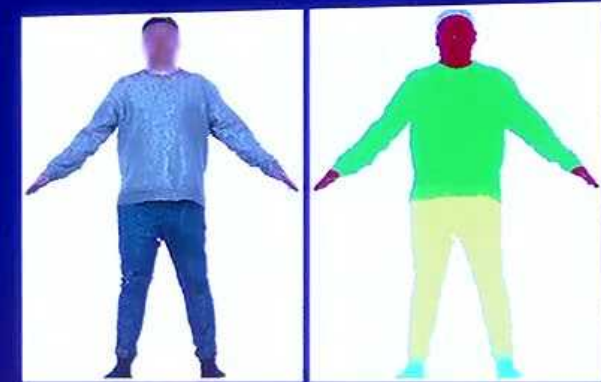


Algorithmic aspects of clothing recognition on 3D Scans

Johannes Pfau · Yordan Kyosev

Chair of Development and Assembly of Textile Products
ITM · TU Dresden

3DBODY.TECH

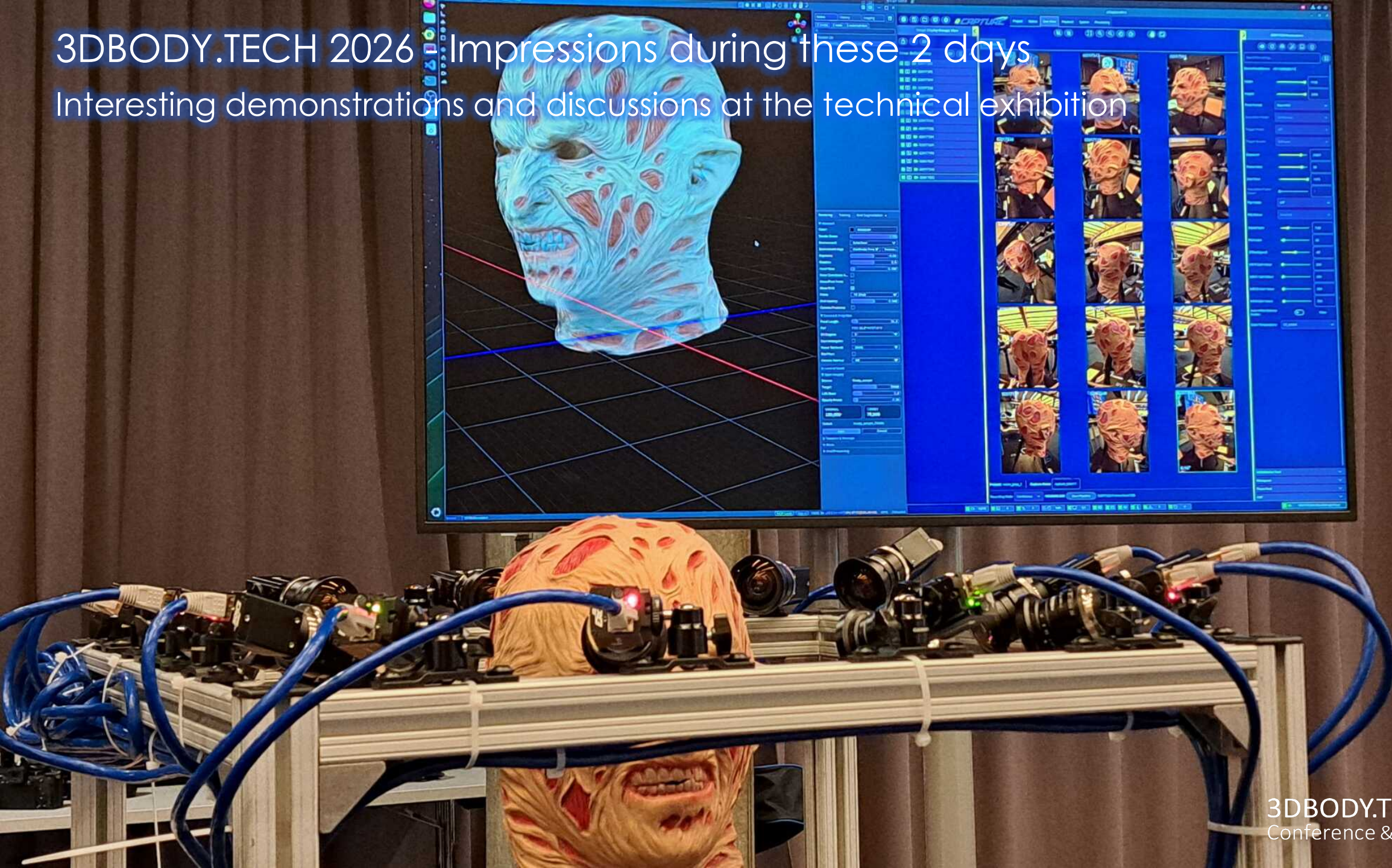


Real scan

Predicted labels



3DBODY.TECH 2026 Impressions during these 2 days
Interesting demonstrations and discussions at the technical exhibition



3DBODY.TECH 2026 - Impressions during these 2 days

Interesting demonstrations and discussions at the technical exhibition



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Interesting demonstrations and discussions at the technical exhibition



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Interesting demonstrations and discussions at the technical exhibition



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Interesting demonstrations and discussions at the technical exhibition



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Interesting demonstrations and discussions at the technical exhibition



3DBODY.TECH 2026 - Impressions during these 2 days

Networking and relaxed moments during breaks



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Networking and relaxed moments during breaks



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3DBODY.TECH 2026 - Impressions during these 2 days

Networking and relaxed moments during breaks



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Networking and relaxed moments during breaks



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Networking and relaxed moments during breaks



3DBODY.TECH 2026 - Impressions during these 2 days

Professional video: will be available in 4-6 weeks on our website



3DBODY.TECH 2026 - onsite closing - online still open

3DBODY.TECH 2026
Conference & Expo 20-21 Oct.

The live program is finished / the online event platform will stay open for 90 days

The messaging & networking system will still be functioning

We will finish to upload all recorded sessions and all single presentations tonight

recorded sessions & single presentations →

table view →

The screenshot displays the 'Recordings' section of the 3DBODY.TECH 2026 online event platform. The interface includes a sidebar with navigation options: Home, Sessions, Recordings (selected), Attendees, Speakers, Exhibitors, Plan+Map, Documents, Announcements, and Event Information. The main content area shows a grid of recorded sessions and presentations for October 21st. The grid is organized into columns representing different session types: Technical Sessions (Tr. 1, Tr. 2), Presentations (Tr. 1, Tr. 2), and Exhibitors Live Streams (Tr. 3). The sessions are listed with their titles and recording IDs. A red box highlights the 'Recordings' menu item in the sidebar and the 'table view' icon in the top right corner. Another red box highlights the grid of recorded sessions and presentations. The grid is divided into three main sections: 'entire sessions' (Technical Sessions), 'single presentations' (Presentations), and 'live demo' (Exhibitors Live Streams).

Time	Rec. Technical Sessions - Tr. 1	Rec. Technical Sessions - Tr. 2	Rec. Presentations - Tr. 1	Rec. Presentations - Tr. 2	Rec. Exhibitors Live Streams - Tr. 3
7:00					
8:00					
9:00	rec TS7 - 3D/4D Hand & Foot Scanning	rec TS8 - 3D/4D Body Scanning for Apparel	rec TS7 #30 - TU Ilmenau rec TS7 #20 - FDDI rec TS7 #49 - Footprint Tech. rec TS7 #64 - Volumental	rec TS8 #12 - Univ. Manchester rec TS8 #32 - TTK rec TS8 #23 - Atelier Niabon rec TS8 #57 - Vesto 3D	rec EX43 - Size Stream
10:00					
11:00	rec TS9 - 3D/4D Body Scanning in Medicine & Health I	rec TS10 - 3D/4D Capture, Technologies & Applications I	rec TS9 #37 - BeyondShape rec TS9 #58 - Spacevision rec TS9 #62 - Ortopedia 3D rec TS9 #45 - TU Dresden	rec TS10 #01 - EVT rec TS10 #50 - CAMERA rec TS10 #52 - Leidos NASA rec TS10 #51 - R&S	rec EX51 - Vestro 3D rec EX52 - Bodime rec EX53 - Antrivis
12:00					
13:00		rec Plenary Session - Keynotes		rec KEYN #59 - Google rec KEYN #66 - adidas	
14:00					
15:00	rec TS11 - 3D/4D Body Scanning in Medicine & Health II	rec TS12 - 3D/4D Body Data & Body Processing Technologies	rec TS11 #25 - AVE 3D rec TS11 #47 - Virtopsy rec TS11 #10 - Univ. Turin rec TS11 #28 - Size Stream	rec TS12 #35 - IEEE SA rec TS12 #22 - Int. Shaping rec TS12 #34 - Humanetics rec TS12 #36 - TU Lodz	rec EX61 - KrenTools rec EX63 - Gnerink
16:00					
17:00	rec TS13 - 3D/4D Capture, Technologies & Applications II	rec TS14 - 3D/4D Body Scanning for Apparel III	rec TS13 #26 - SINTEF rec TS13 #21 - HAA rec TS13 #27 - TU Ilmenau	rec TS14 #08 - Univ. Manchester rec TS14 #17 - Univ. Boras rec TS14 #31 - Univ. Kentucky rec TS14 #33 - TU Dresden	
18:00		rec Closing Session			
19:00					
20:00					
21:00					

entire sessions single presentations live demo

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3DBODY.TECH 2026 Proceedings

3DBODY.TECH 2026
Conference & Expo 20-21 Oct.

E-Proceedings, ISBN, Full Papers DOIs

HTML Structure

Access to Full Papers/Abstracts PDFs

Recordings of Single Presentations & Live Demos

Recordings of Entire Sessions, Including Q&A

Download in the Event Platform/App

3DBODY.TECH Proceedings Website

<https://proc.3dbody.tech>

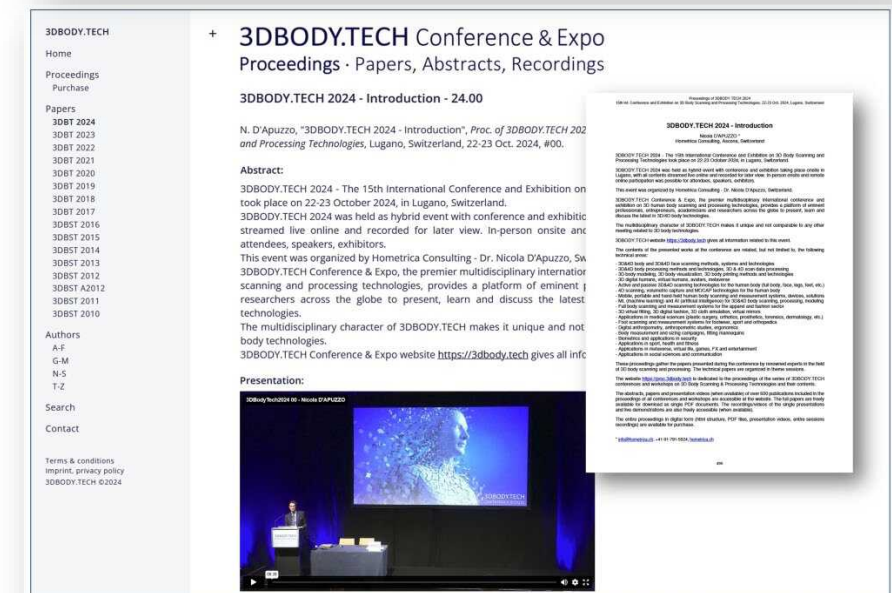
Free Access to:

1112 papers/abs./present. pages

863 papers/abstracts as PDF

450 present. videos/recordings -> 534 on Q3.2027

Recordings of 2026 will be available on Q3.2027



3DBODY.TECH 2026 Journal

3DBODY.TECH Journal

International Journal of 3D Body Technologies

ISSN: 3042-576X | DOI: 10.15221/3DBTJ

Open Access | Published: Annually

Full papers presented at 3DBODY.TECH Conference

Option/Selection: to be published as journal papers

Review by at least 2 members tech./scient. committee

3DBODY.TECH Journal Volume 3 - Expected Dec. 2026

Authors can still apply to have their full paper
being reviewed for publication in the journal

Review process: will start next week

3DBODY.TECH 2026

Conference & Expo 20-21 Oct.

3DBODY.TECH Journal

International Journal of 3D Body Technologies



Announcements for 2027

3DBODY.TECH 2027

Conference & Expo 19-20 Oct.

3DBODY.TECH Conference & Expo

18th International Conference & Expo on 3D/4D Body Technologies

Lugano, Switzerland, 19-20 October 2027

in-person event: all presentations onsite (no exceptions)

attendees: onsite + online

Goals/expectations for 2027:

200 onsite + 50 online participants

80 presentations

25 exhibitors

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Goodbye from Lugano



3DBODY.TECH 2027
Conference & Expo 19-20 Oct.

See you again next year in Lugano

17th 3DBODY.TECH Conference & Expo

Lugano, Switzerland · 20-21 October 2026

