



Accompanying-Event to the Clothing-Body-Interaction Conference
27-28 March in Berlin

Training Workshop

Application of 4D Body scanning for clothing, biomechanics and ergonomics

Day for the workshop: 30 or 31 March (select one of these)

Location: TU Dresden, ITM, Chair of Development and Assembly of Textile Products,
Hohe Strasse 6, 01069 Dresden

Main target audience: developers of functional clothing, interior developers, biomechanics researchers, ergonomics

Requirements on the preliminary knowledge: no requirements.

Content:

During the workshop the participants will experience the 3D and high speed 3D (4D) body scanning in the scanning lab of ITM, TU Dresden. The processes of static and dynamics scans will be explained and performed with the participants and after that examples for data processing and application of the different data formats in different applications will be demonstrated. The examples cover visualization of point clouds, meshes, import of the meshes in a clothing CAD software, geometry analysis software, rigging information for motion analysis and other. Demonstrated will be the 3D scanner Leo, high speed scanner MOVE4D, and Rokoko suit. The workshop participants will perform scans will receive the data and will be trained how to open this data and make first steps in its analysis.

Organizers: ITM, TU Dresden and IBV Valencia

Language: English (German possible on request on separated Dates)

Duration: 1 day

Registration Fee: 590 Euro per Prerson (VAT inkl).

www.clothing-body-interaction.eu

or direct link: <https://mt.webspace.tu-dresden.de/cbi/doku.php?id=cbi2023:registration>

Time Table:

8:30 Opening and organizational details

	Group 1	Group 2
9:00	3D Scanning with Hand Held Device Leo	4D Scanning with Move 4D
10:00	Coffee Break	
10:30	Motion Capturing with RoKoKo Suit	4D Scanning with Move 4D

11:30 Short Theory: Point Cloud, Mesh, Rig, Data Formats, Series of Files

12:00 Lunch

13:00	4D Scanning with Move 4D	3D Scanning with Hand Held Device Leo
14:00	4D Scanning with Move 4D	Motion Capturing with RoKoKo Suit
15:00	Coffee Break	
15:15	Data Processing	Data Processing

16:30 End of the workshop