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

# Workshop:
# Development of textile Products with Lectra

**Day for the workshop: 29 March**
**Location**: TU Dresden, ITM, Chair of Development and Assembly of Textile Products, Hohe Strasse 6, 01069 Dresden

**Main target audience**: Developers of functional clothing developer

**Content:**
During the workshop all steps of the modern development chain from development until production, under the consideration of the better sustainability of the products will be analyzed. The suitable case studies with solutions from company Lectra for 2D pattern, 3D fitting, simulation, digitalization of the textile materials, preparing and importing of custom avatars using 3D scanning, suitable data formats for the exchange will be presented. The changes of the paradigm from fast fashion to production on demand with its challenges and suitable solutions for the software and hardware will be analyzed in detail.

**Organizers**: Teams of Lectra Germany and ITM, TU Dresden.

**Language**: English

**Duration**: 9:00-16:00 , Coffee Break and Lunch included

**Registration Fee**: 590 Euro (VAT Inkl) per person

Registration Page: www.clothing-body-interaction.eu
or direct
https://mt.webspace.tu-dresden.de/cbi/doku.php?id=cbi2023:registration

**Plan**
8:30 – 9:00 Registration
09:00 Welcome
09:10 – 12:00
      Pattern Design with Lectra Modaris for Fashion Products
      Manikins
      Material Parameters
      Virtual Fit
      Sustainability due reduces waste and trials
12:00 – 13:00 Lunch break
13:00 – 16:30
      Development of interior products or complex "close to body" products with
Lectra Design Concept
      3D Geometry
      3D-to-2D
      Rendering
      Material Deformation Visualization


**Lecturers**:
      Prof. Dr.-Ing. habil. Sybille Krzywinski
      Dipl.-Ing. Felix Kunzelmann
      Assoc. Prof. Dr.-Ing. Natlja Sadretdinova

      Prof. Sybille **Krzywinski** worked as scientific director of the chair of development and assembly of textile products, ITM, TU Dresden until 2022 and supervised large number of research projects, dissertations and student theses in the area of computer aided engineering of textile products. She has broad and deep expertise as developer of various testing methods for characterization of textile materials for clothing simulation, integration of scanning data in the clothing software, digital product development, and using the software packages Grafis, Lectra Modaris, Lectra Design Concept, Clo3D, FiberSim in the research and education.

      Assoc. Prof. Dr.-Ing. Natlja **Sadretdinova** is guest researcher at the chair of development and assembly of textile products, ITM, TU Dresden. She has long teaching and research experience in the area of development of clothing for people with disabilities and technical products, and is experienced in Grafis, Clo3D and Lectra as well in various methods of clothing construction.

      Dipl-Ing. Felix **Kunzelmann** is a research assistant and PhD student at the chair of development and assembly of textile products, ITM, TU Dresden. He has experience in the development of functional clothing for people with scoliosis and application of Software Packages Lectra Design Concept, Ziva Dynamics and generally Python language in the automatization of textile product development.