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INTERNATIONAL PROJECT OPTIMTEX – SOFTWARE TOOLS FOR TEXTILE CREATIVES FROM THE ERASMUS+ PROGRAMME

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The project **OptimTex - Software tools for textile creatives** was accepted for funding in December 2020 under the Erasmus+ KA2 - Strategic Partnerships Higher Education program. The project partners started the planned activities in December 2020 and the project will end in November 2022. OptimTex is already the fourth project in a series of successfully implemented Erasmus+ projects dealing with e-learning materials for various advanced textile and garment manufacturing technologies. There are six project partners from five European countries: Romania, Portugal, Belgium, Czech Republic, and Slovenia.

The OptimTex project aims to **improve the knowledge and skills** of university students in software applications and **increase their employability** in textile companies by providing appropriate training tools for their profession. In total, the **course, supported by developed e-materials**, consists of five modules. The Slovenian partners of the consortium developed the e-learning module **Design and modelling of garments through 3D scanning and CAD/PDS software**. Link to the project website: <http://www.optimtex.eu/>.

Project Consortium



INCDTP – The National R&D Institute for Textiles and Leather, Bucharest, Romania
– coordinator
<http://www.incdtp.ro>



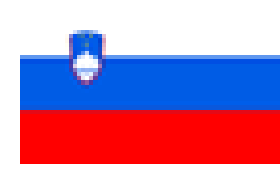
TecMinho, Interface of the University of Minho, Guimarães, Portugal
<http://www.tecminho.uminho.pt/>



Ghent University, Belgium
Faculty of Engineering and Architecture, Department of Materials, Textiles and
Chemical Engineering (MaTch), Ghent, Belgium
<https://www.ugent.be/ea/en>



University of Maribor, Slovenia
Faculty of Mechanical Engineering, Institute of Engineering Materials and Design,
Maribor, Slovenia
<https://www.um.si>



Technical University "Gh. Asachi" Iasi, Romania
Faculty of Industrial Design and Business Management
<http://www.dima.tuiasi.ro>



University West Bohemia, Faculty of Electrical Engineering, Department of Materi-
als and Technology, Pilsen, Czech Republic
<https://www.fel.zcu.cz/en/>



The Five Modules of the Course of Software Applications for Textiles

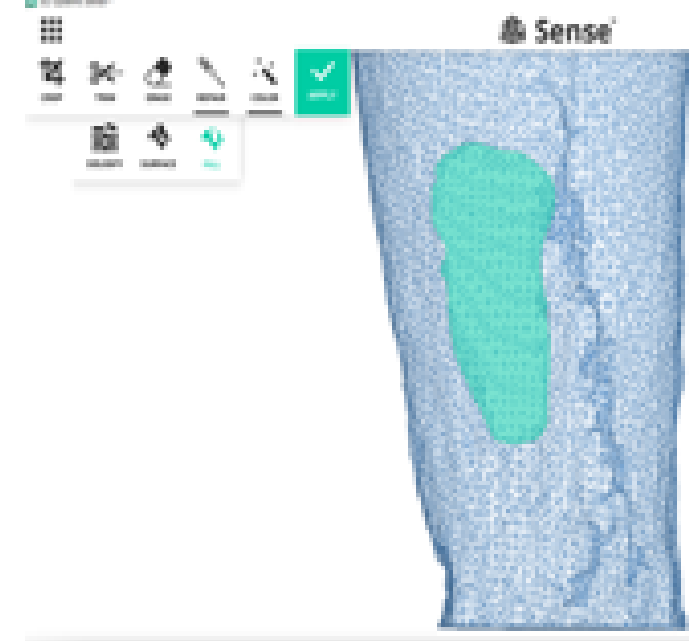
- M1: Design and modelling of woven structures
- M2: Design and modelling of knitted structures
- M3: Design and modelling of garments through
3D scanning and CAD/PDS software
- M4: Design and modelling of embroidered structures
- M5: Software for research experimental design

The Structure/Topics of the Slovenian Module M3

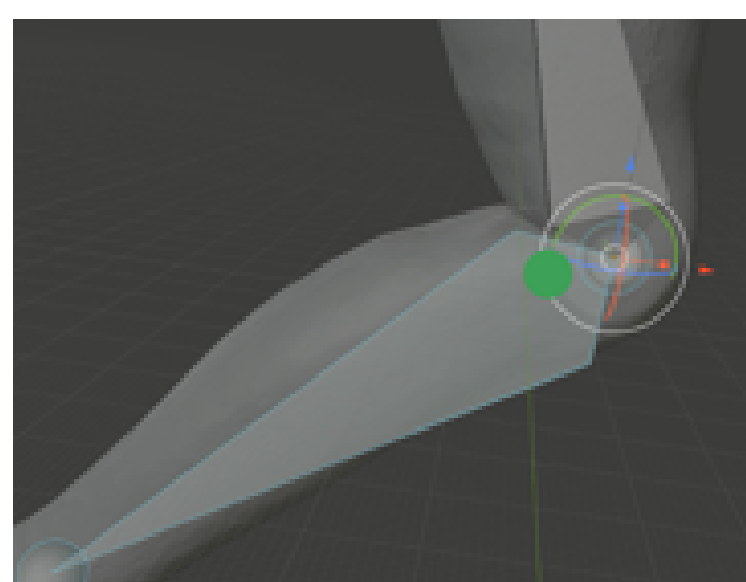
3D human body
scanning



3D human body modelling



Kinematic 3D body
model



3D virtual prototyping of
personalized smart garments



Participants of the Intensive Study Course Maribor

