

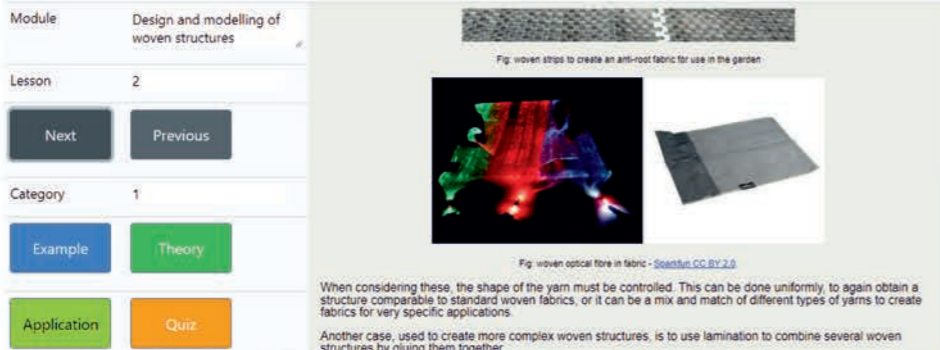
The Erasmus+ project "OptimTex – Software tools for textile creatives" has reached its final year of implementation and offers at this moment substantial educational materials and e-learning resources in the field of software for design and modelling of textiles. One of the most user-friendly resource is the e-learning instrument, available with free access on the project's website [www.optimtex.eu](http://www.optimtex.eu), TAB Instrument:

### OptimTex e-learning instrument

The educational content of OptimTex is divided on 6 modules on software for design of e-textiles:

- Design and modelling of woven structures
- Design and modelling of knitted structures
- Design and modelling of garments by 3D scanning software and CAD/PDS software
- Design and modelling of embroidered structures
- Software for research experimental design
- Guide regarding technology transfer of textile software solutions into the industry

Each module is conceived in a Problem-Based-Learning approach and is structured with several practical examples, the corresponding theory, software for design and quiz for self-assessment. The e-learning instrument is meant to share quick access on the structured educational content of the Erasmus+ project.



This e-learning resource includes all modules of the project in a Problem-Based-Learning approach (from Examples to related Theory) and was programmed with interactive buttons in JavaScript.

The Glossary of technical terms in six national languages is meant to support the Intensive Study Program students during the lecturers in English language and was programmed in PHP / MySQL. It is implemented also with free access on the project's website TAB Glossary.

### OptimTex multilingual glossary of terms

This Glossary is meant to offer the students support for learning key textile terms of the 6 educational modules in all the languages of the project.

| LANGUAGE | TERM               | Triangulation   |
|----------|--------------------|---|
| EN       | DEFINITION         | Process of building 3D triangular mesh out of point cloud.                            |
| CZ       | PICTURE (optional) |   |
| NL       |                    |  |
| ET       |                    | Point Cloud   |
| RO       |                    | Mesh (shaded)   |
| SI       |                    |   |

The Moodle e-learning platform has implemented all the six modules within six courses in national languages ([www.advan2tex.eu/portal/](http://www.advan2tex.eu/portal/)).



A set of multimedia files with registrations from the lecturers and interviews with participants and stakeholders are posted with quick access and visual impact on the project's website, TAB Multimedia.

The project's partners have already organized two Intensive Study Programs of each five days: one virtual ISP with host Technical University of Iasi and one physical ISP with host University of Maribor. A total number of 27 students and 15 lecturers participated to the first ISP and a total number of 17 students and 12 lecturers participated to the second ISP. The six modules for Design and Modelling of woven structures, knitted structures, virtual prototyping of clothing, embroidered e-textiles, design of experiments and TechTransfer had a high impact on the students. The ISPs had also a practical part with focus on knitting at TUASI and virtual prototyping and embroidery of e-textiles at UniMaribor. The students enjoyed learning both the theoretical modules as well as the practical part.

The participants received diplomas in a special ceremony:



Please access these useful links, with the mentioned e-learning resources:

Project's website: [www.optimtex.eu](http://www.optimtex.eu)

Project's e-learning platform: [www.advan2tex.eu/portal/](http://www.advan2tex.eu/portal/)

## THE TECHNOLOGIC AND BUSINESS INCUBATOR < ITA TEXCONF >

ITA TEXCONF is an entity in the infrastructure of innovation and technological transfer without legal personality, established within INC-DTP based on HG 406/2003, accredited for the textile – clothing field and re-accredited in 2020, Certificate no. 118/2020, issued by the Ministry of Education and Research.



ITA TEXCONF is part of the National Network for Innovation and Technology Transfer ReNITT and acts for the sustainable economic and social development of the textile sector, by ensuring access to technological performance, developing the innovative environment, introducing quality systems and developing human resources.

The incubator is involved in specific actions of collaboration with all 4 existing clusters in the textile field, of which it is part as an active member: Romanian Textile Concept Cluster – RTxC, ASTRICO NE, Traditions Manufacture Future and Transilvania Textile & Fashion Cluster.



Services:

- ❖ Services of sustaining textile-clothing SME competitiveness within the competition background of the market economy;
- ❖ Services aiming at creating partnerships and financing drawing in within the projects;
- ❖ Services aiming at the product, equipment, innovation technology promoting in the field of textile-clothing, as part of scientific events (fairs, symposiums, conferences, etc.);
- ❖ Mediating contracts of technology transfer/manufacturing of products, experimental models, prototypes and specific applications for technical textile, personal protective equipment, invasive and non-invasive medical devices, special-purpose items, etc.;
- ❖ Mediating contracts in the field of investigating the textile material and product properties, within the RENAR accredited INC-DTP laboratories.

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