



Tech. Educ. Inst. (TEI) of Larissa, Greece
Dept. of Wood & Furniture Design and Technology



Presentation of the WFDT Department

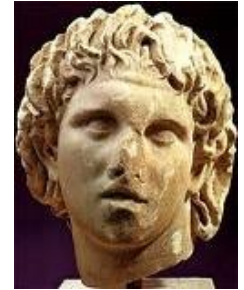
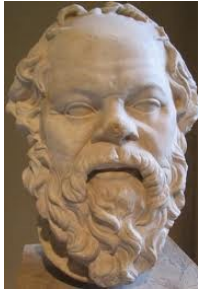
created by Prof. G. Mantanis



Video for WFDT

Website www.wfdt.teilar.gr





Greece, Europe



Tech. Educ. Inst. (TEI) of Larissa

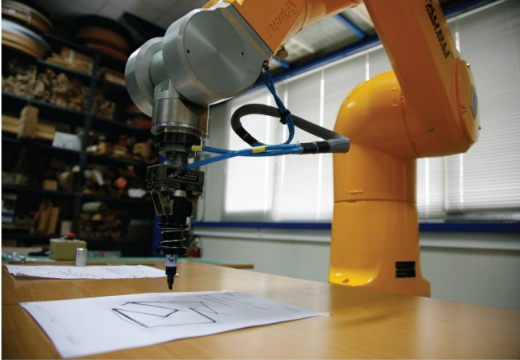
GREECE (HELLAS)

Area ~132,000 sq. km

Population ~11,000,000 people

Dept. of **W**ood & **F**urniture **D**esign and **T**echnology





The **WFDT** combines in its undergraduate curriculum:

- **Wood technology**

- **Furniture Design**

- **Technology of wooden constructions & furniture**

Dept. of **W**ood & **F**urniture **D**esign and **T**echnology

- It was fully organized in 2002, and is the **only one of its kind** department within the *Higher Education* in Greece.
- WFDT covers in its curriculum **3 technological areas** helping thus the Greece's and Cyprus's *wood & furniture enterprises*.
- **95%** of WFDT graduates **have been finding jobs immediately after graduation day**; now working in the Greek and Cypriot markets.
- **5%** of our students come from **Albania** and **5%** come from **Cyprus**. The undergraduate program is run in the *Greek language*, but WFDT has decided to organize an *international curriculum* in the **English language** in the next years.
- WFDT is in **open cooperation with more than 100 wood and furniture producing enterprises**, on several topics i.e. quality control, trouble-shooting, as well as on R&D and in-field activities.



Two buildings in WFDT

-one (lab facilities)

-one main building





WFDT facilities



Laboratory of WOOD TECHNOLOGY

Prof. Dr. **George I. Mantanis**, Head



Academic mission

Education and research on: **a) wood structure & properties** and **b) wood products technology and applications**

Laboratory of WOOD TECHNOLOGY

Prof. Dr. **George I. Mantanis**, Head



Laboratory of QUALITY CONTROL
Assoc. Prof. Dr. **Georgios Ntalos**, Head

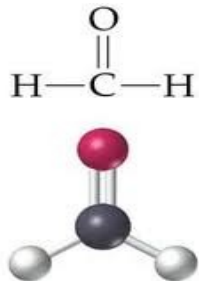
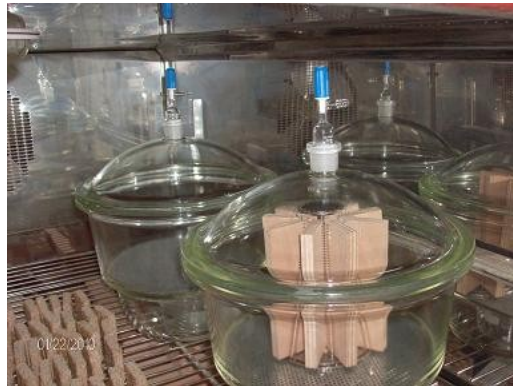


Academic mission

Education and research on: a) **quality control of raw materials** and
b) **quality control of furniture and end- products**

Laboratory of *QUALITY CONTROL*

Assoc. Prof. Dr. **Georgios Ntalos**, Head



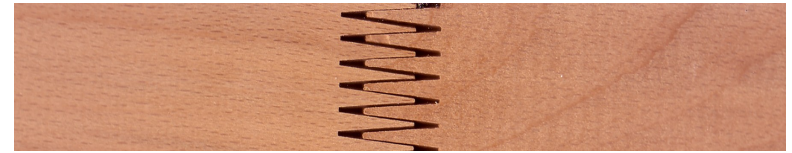
**Laboratory of
QUALITY CONTROL**



Video for Quality Control Lab

Lab of WOOD MECHANICAL PROCESSING

Assoc. Prof. Dr. **Sotirios Karastergiou**, Head



Academic mission

Education & training on: **a)** the **safe way of handling** simple mechanical equipment, **b)** the ability **to choose the suitable machine** for processing, **c)** undertaking essential **safety precautions** in several manufacturing areas

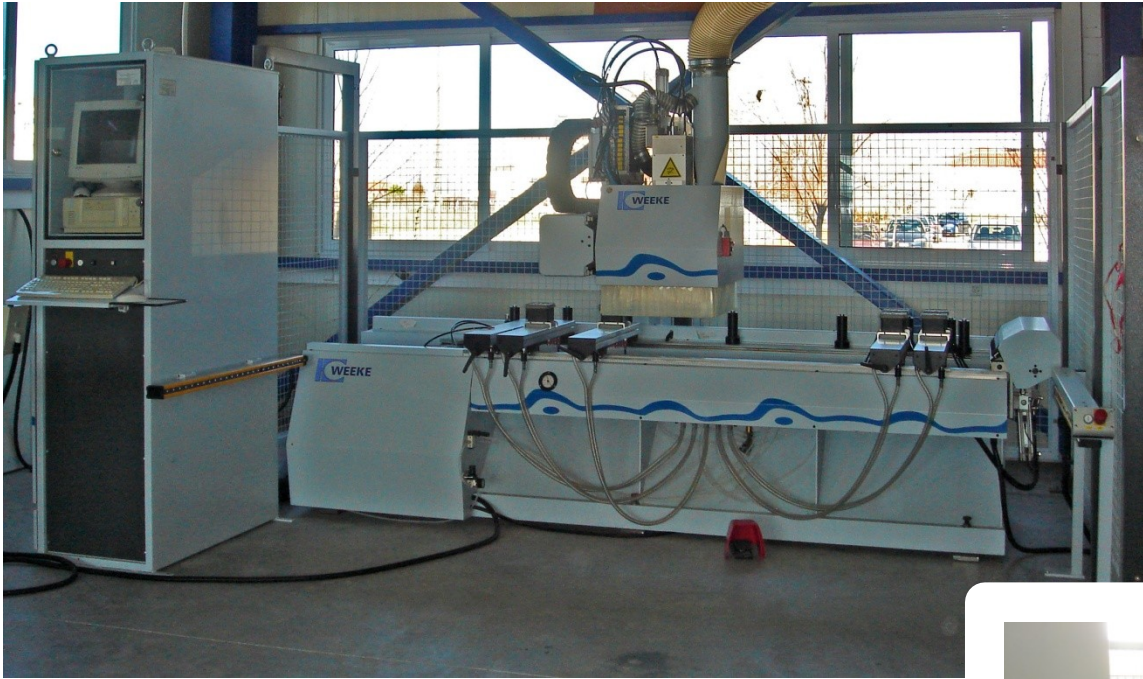
Lab of WOOD MECHANICAL PROCESSING

Assoc. Prof. Dr. **Sotirios Karastergiou**, Head



The Lab is equipped with the following machinery:

Band saws, Drilling machine, Planers, Sanders, Panel saws, Lathe, Spindle moulder, Edge banding, Radial saw, Hot press, Bench saw, 5 work-combining CNC machine, Compressors, Chain mortising machine, Bit mortising machines, Router, Thickness planer, Complete order of hand tools (drill, impactive, screwdrivers, drilling bits, sanding machines, hand belt sanding machines, complete range of hand saws, nail air pistols, hand router, gauges for precise drilling (corner joints, dowels), Sharpening tools



CNC machine



**Lab of WOOD MECHANICAL
PROCESSING**



Lab of FURNITURE PRODUCTION TECHNOLOGY

Ass. Prof. Dr. **Michalis Skarvelis**, Head



Academic mission

Education & training on: **a)** the **application** of any *design ideas* into production, **b)** **learning various techniques and methods** in furniture manufacturing



***Lab of FURNITURE
PRODUCTION TECHNOLOGY***

Lab of WOODEN CONSTRUCTIONS TECHNOLOGY

Prof. Dr. **Ioannis Kakaras**, Head



Academic mission

Education and training on: **a)** technology of *wooden house skeletons, roofs and frames* , **b)** *applications of wood in agriculture & outdoor structures* and **c)** *restoration of wooden articles*

Lab of WOODEN CONSTRUCTIONS TECHNOLOGY



Students models



Lab of WOOD PRODUCTS MARKETING & BUSINESS MANAGEMENT
Ass. Prof. Dr. **Ioannis Papadopoulos**, Head



*Visit at the industry
NOBILIA in Germany*

Academic mission

Education on: **a) wood products marketing**, **b) development of communication and marketing skills** and **c) economics and business management** of wood & furniture enterprises

Lab of WOOD PRODUCTS MARKETING & BUSINESS MANAGEMENT



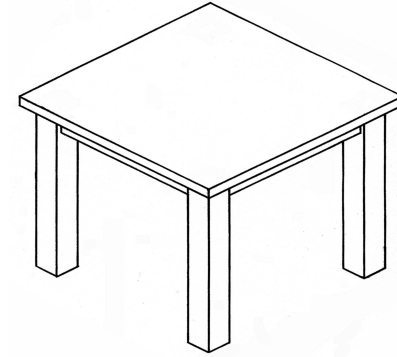
*Participation in international fairs,
visits at several producing industries,
organization for Dept. WFDT stands
in various symposia & fairs*





**Lab of WOOD PRODUCTS MARKETING
& BUSINESS MANAGEMENT**

Lab of TECHNICAL DRAWING
Mr. **Georgios Kollatos**, Dipl. Engineer

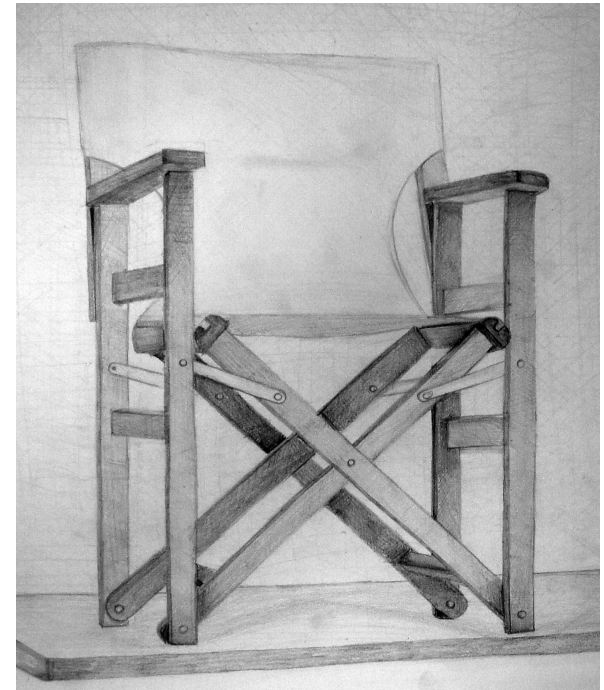


Academic mission

Education and knowledge on: principles that surround the **technical drawing** according to the international rules and standardization and concentration on special expertise for **furniture constructional drawing**



*Lab of TECHNICAL
DRAWING*



Lab of FURNITURE DESIGN
MSc **Dimitrios Lamboudis**, Head

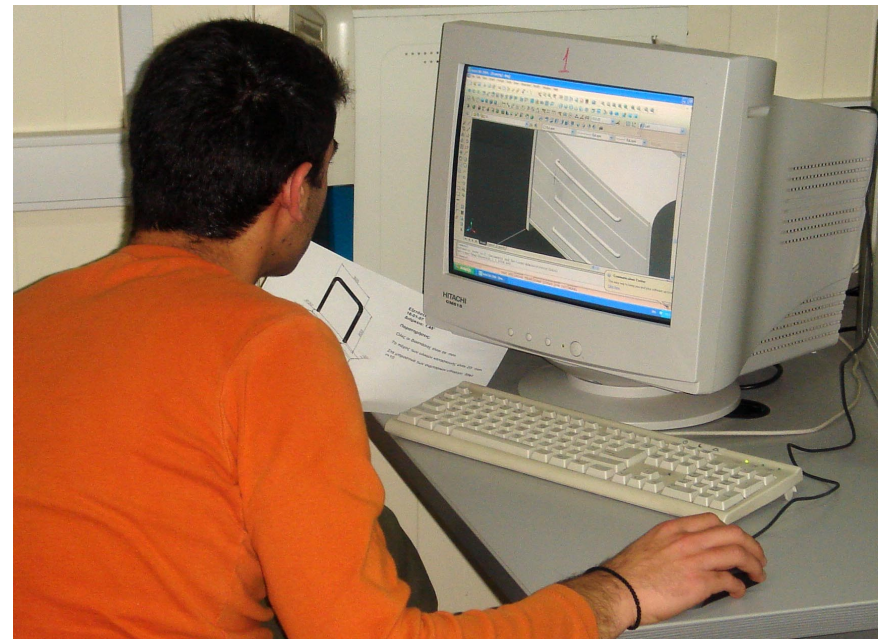
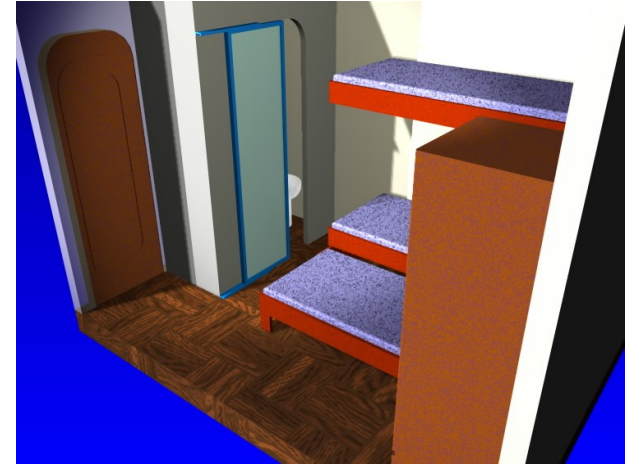


CAD: computer aided design

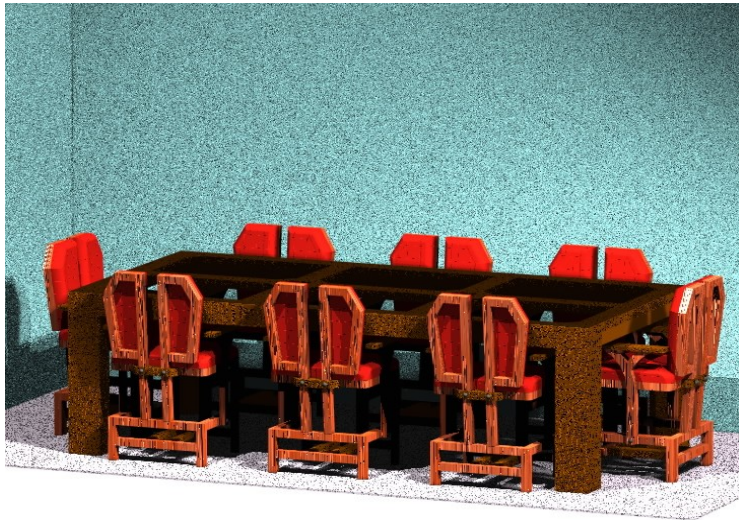
Academic mission

Education on: **a) designing via CAD based software as a necessary tool for creative expression**, and **b) the usage of state-of-the-art methods** so as to promote new design works

Lab of FURNITURE DESIGN



**Laboratory of
*FURNITURE DESIGN***



Video for *Furniture Design Lab*



Lab of FURNITURE INDUSTRIAL DESIGN

Mr. **Thanasis Babalis**, Master of Arts

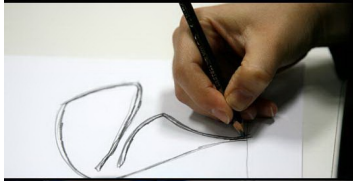


by Babalis

Academic mission

Education and training a) to *identify & resolve design problems* and *offer solutions* that are creative, innovative and sensitive to social and environmental issues, and b) to *design innovative products* resolving real design issues such as usability, aesthetics, materials economy etc

Lab of FURNITURE INDUSTRIAL DESIGN



[Video for Industrial Design Lab](#)

Designs and prototypes
Final projects of WFDT graduates



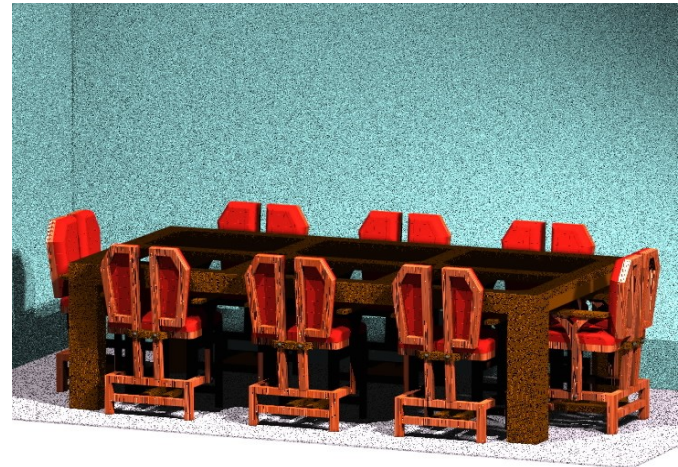
by Sardis



by Ntalianis



by Kanis & Tzoumas



by Skipitaris

Designs and prototypes Final projects of WFDT graduates



1st prize in the USA
by A. Babalis, Appl. Prof.



by G Papadopoulou



by Skaraki & Gounelas



by Marentaki



by G Saltas

*Activities of WFDT Department
follow-up the market needs / participation in fairs / excursions on abroad*



*Activities of WFDT Department
cooperation with the local market / visits to producing companies*



Activities of WFDT Department interaction with business / visits in wood & furniture enterprises



Activities of WFDT Department externalizing behaviour to the society / presentations in symposia



Activities of WFDT Department participation in fairs / demonstration & diffusion of work



End!

Thanks for your attention

