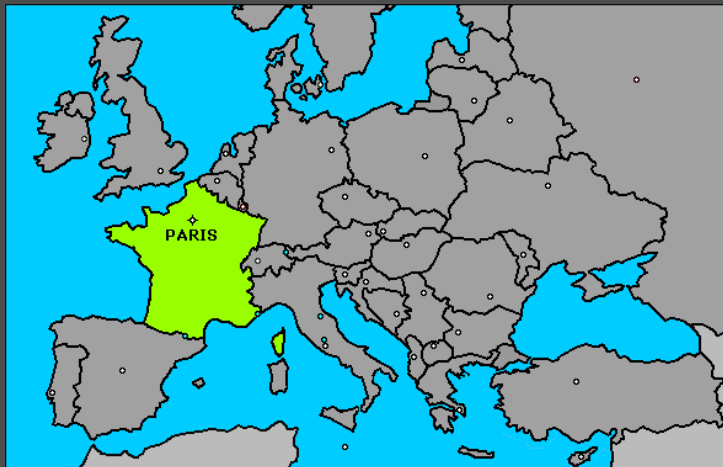


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research and education since 1881



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Main entrance

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Garden view

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Library

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Inside main building

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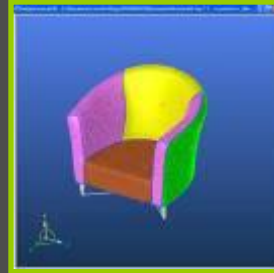
Worldwide Weaving



The Leading
Textile Engineering Institute in Europe

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The diversity of textile



40

Teachers/Teacher Researchers

70

Visiting Teachers

100

Administrative and Technical Staff

1881: Creation of the School of Fine Arts

1921: Creation of ENSAIT

1945: Creation of ENSAIT Engineering Degree
(Master Degree)

1992 – up to now: Innovation and International

- Adapted courses to changing industrial needs
- Research
- Worldwide Industry partnerships

- Train high level textile engineers within an international context for the textile and para textile industry (clothing, automobile, aeronautics, ...)

 - ➡ **130 to 150 new postgraduate students per year**

 - ➡ **about 12 new PhD students per year**

- Develop research in technical and functional textiles, nonwovens, materials (nanotechnology...), composites, textile supply chain management

- Develop projects with industry worldwide

PhD (3 years)



Engineering school: Master degree(3 years)
French Engineering Title



National Entrance Competitive Examination



Preparatory classes (2 years)



A-levels

Double diploma

ENSAIT Engineer Diploma & Title (Master Degree)

Semesters

10

9

8

7

5 & 6

Year 5

Year 4

Year 3

Final year Project: innovative project close to textile industry

TTAM: Technical Textiles and Advanced Materials

DDM: Distribution Design and Management

Double diploma

Engineering industrial project (3 months)

TTAM: Technical Textiles and Advanced Materials

DDM: Distribution Design and Management

University Semester abroad

Technician industrial project (2 months)

Common courses

Bachelor Degree

Preparatory Classes 2 years, Bachelor degree (3 years after A-levels)

A-levels

PhD

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Training



Adapted learning environment: lectures, conferences, seminars, tutorials, practical work, group project work, ...

Industrial 'hands-on' experience through internships and projects in industry (minimum 10 months)

International experiences through internships, semester exchanges, double degree programmes....

3 ways to work closely to industry

Third year

A 18 week final year innovative project



Second year

A three month Internship (Engineer level)



First year

A two month internship
(textile companies discovery)

ensait trains students to work in :

- Personal Protection (firemen, army, security, industry, ...)
- Civil Engineering & Building Construction (Roofing, Houses of the future, ...)
- Automotive (safer, comfortable, ...)
- Aeronautics & Aerospace (composites, ...)
- Industry (safer & respectful of the environment, ...)
- Health (from skin cream to surgery, ...)
- Sport & Leisure (closer to the athlete, performance, comfort and well-being, ...)

and more ...

- **Academic / scientific partnerships**
- **Industrial partnerships**
- **International networks**

ensait Academic & Scientific Partnerships

Belgium: Ghent University

Bulgaria: Sofia

Czech Republic: Liberec

Croatia : University Zagreb

Finland: Tampere

Germany: Aachen (DWI, ITA) , Dresden,
Krefeld, Munchengladbach

Greece: Pireus Univ.

Hungary : University Budapest

Italy: Turin, Bergamo

Lithuania: Kaunas

Netherlands: Hogeschule, Amsterdam

Poland: Lodz

Portugal: University of Minho

Romania: IASI

Serbia : University Belgrade

Spain: UPC Barcelona

Slovenia: University of Maribor

Sweden: Boras

UK: Manchester University, College of Textiles,
Heriot Watt

Argentina : Universidad Tecnologica Nacional, Buenos Aires

Brazil : Universidade de São Paulo

Canada : ETS Montreal

China : Hong Kong Polytechnic / Soochow University
Dong Hua University, Shanghai

India : IIT Dehli / NIFT Dehli

Japan : Shinshu University, Ueda / Kyoto Institute of Technology

Mexico : Universidad de las Americas, Puebla

Morocco : ESITH, Casablanca

Peru : San Ignacio de Loyola University, Lima and Cusco

Russia : SUTD, ST Petersburg / ISTU, Izhevsk

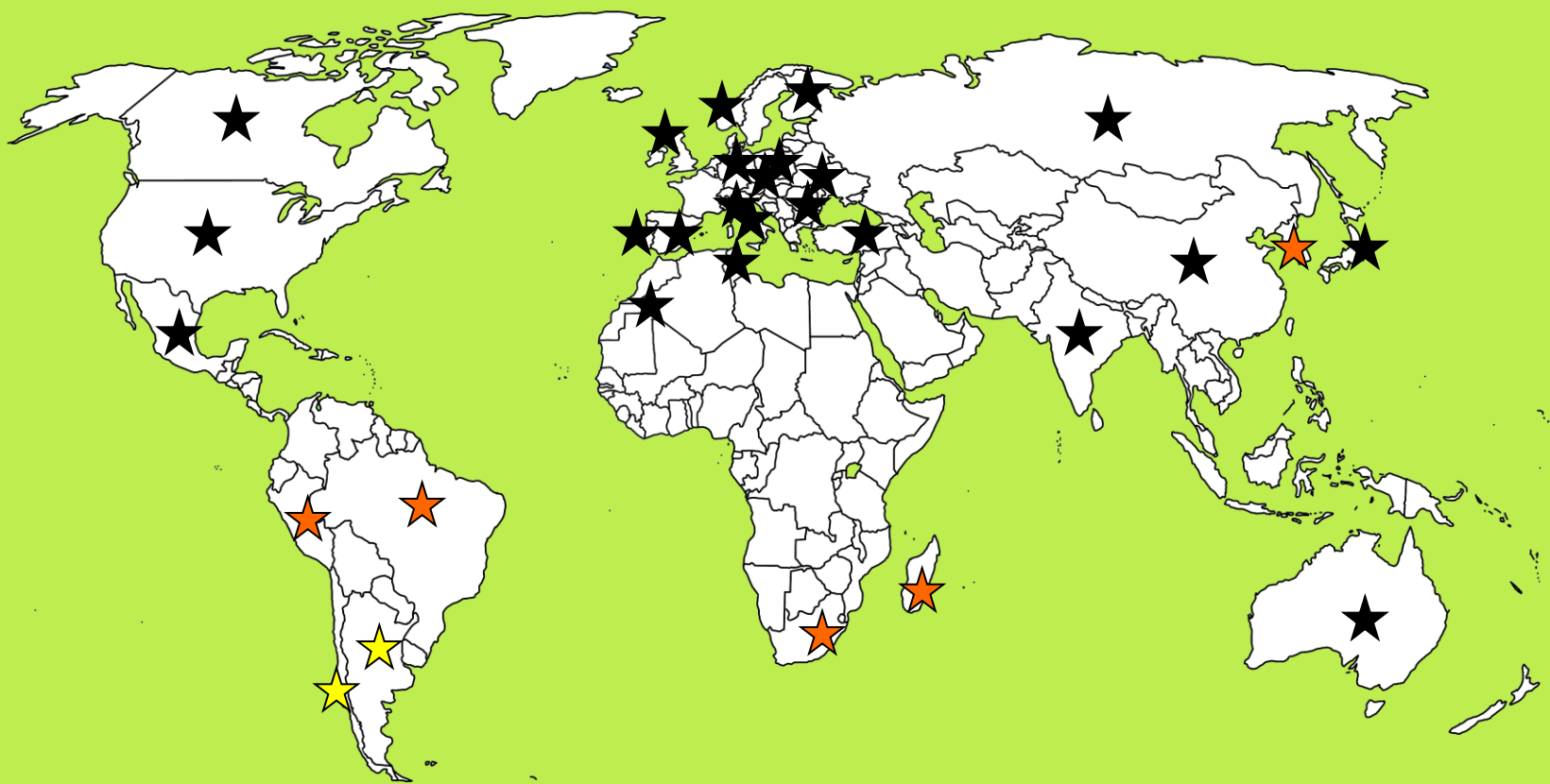
South Africa : Durban University of Technology

Tunisia : ENIT , Tunis / ENIM, Monastir

Turkey : Ege University and Dokuz University, Izmir / Istanbul Universitesi

USA : North Carolina State University, Raleigh / Georgia Institute of Technology, Atlanta

ensait Academic/ Scientific Partnerships



45 worldwide academic partners

★ old partners

★ new partners

★ future partners

Double Degree Programmes

UPC of Barcelona (Spain)

Ecole Nationale d'Ingénieurs de
Tunis (Tunisia)

Politecnico di
Torino (Italy)

Universidad de las Americas
Puebla (Mexico)

Soochow University,
China

Donghua University
Shanghai (China)

ESITH (Morocco)

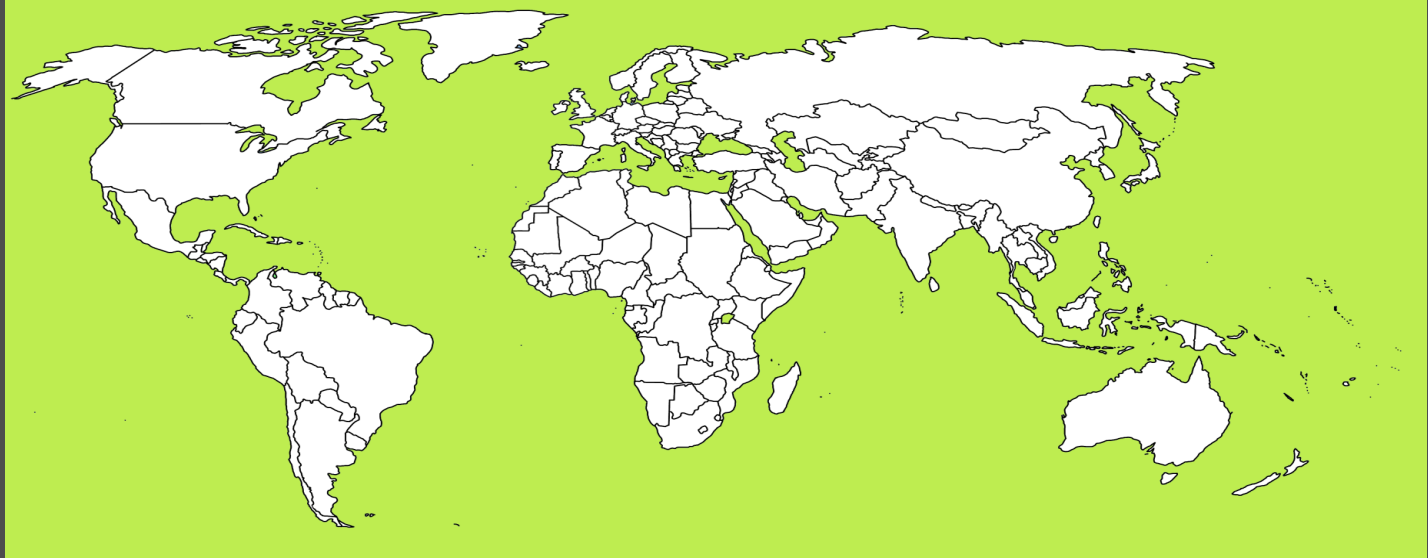
SUTD Saint Petersburg
(Russia)

Technische Universität
Dresden, Germany




University of Minho
(Portugal)



Shinshu (Japan)



- **100% students have a long international experience**
- **90% of students participate in academic exchanges**
- **50/60 internships abroad** (*Europe, USA, Asia, Latin America, Australia, Africa*)
- **300 partnership companies** (*Airbus, L'Oreal Paris, LVMH, Clariant, Ciba, CSIRO, DSM, Renault Industry, Dickson Constant....*)

-  **Master level courses in English**
-  **French language and Cultural classes**
-  **Research project or Master Thesis in collaboration with GEMTEX laboratory**

Choose courses in





Technical Textiles



- Technical Textiles Manufacturing Processes
- Application of Technical Textiles
- Innovating Technical Textiles
- Nonwovens
- Textile Metrology



Distribution Design & Mgt

- Supply Chain Management
- Experimental Design
- Mass Customisation
- Textile Virtual Merchandising
- Modelling & Simulation
- Information Technology

 **Administrative and logistic support**
 The International Relations Department

 **Academic and scientific support**
 Professors / Researchers

Distribution Design and Management

Intensive French language course for beginners

French Culture

International Management

French

Virtual reality for textiles

Information system 1

Data Mining and Information Technology

Fashion Marketing and Design

Advanced Mass Customisation

Supply chain modelling and simulation

Supply chain planning and control 1

Sales Management

Training course or project

Cultural and sportive activities

Investment within the school

Technical Textiles and Advanced Materials

Intensive French language course for beginners

French Culture

International Management

French

Characterization of advanced materials

Design of nonwovens

TTMA Project

Implementation of technical textiles

Innovation in technical textiles

Production & performance of technical textiles

Training course or project

Cultural and sportive activities

Investment within the school

Some topics of non confidential final year projects...

Technical textiles

Ventilation mechanisms and the clothing microclimate during physical activity

Bi-component fibres

Study of the relationships between friction and touch properties of woven and knitted fabrics

...and more CONFIDENTIAL Topics...

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International Relations Contacts

Director

Marie Pierre DELESPIERRE



Semester Exchanges Assistants:

Giuliana Gasparini & Marie HOMBERT



100/110 outgoing students 80/90 incoming students

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