



POLYTECHNIC UNIVERSITY OF TIRANA, ALBANIA



Sheshi "Nënë Tereza", No. 1,
1019 Tirana, Albania
www.upt.al

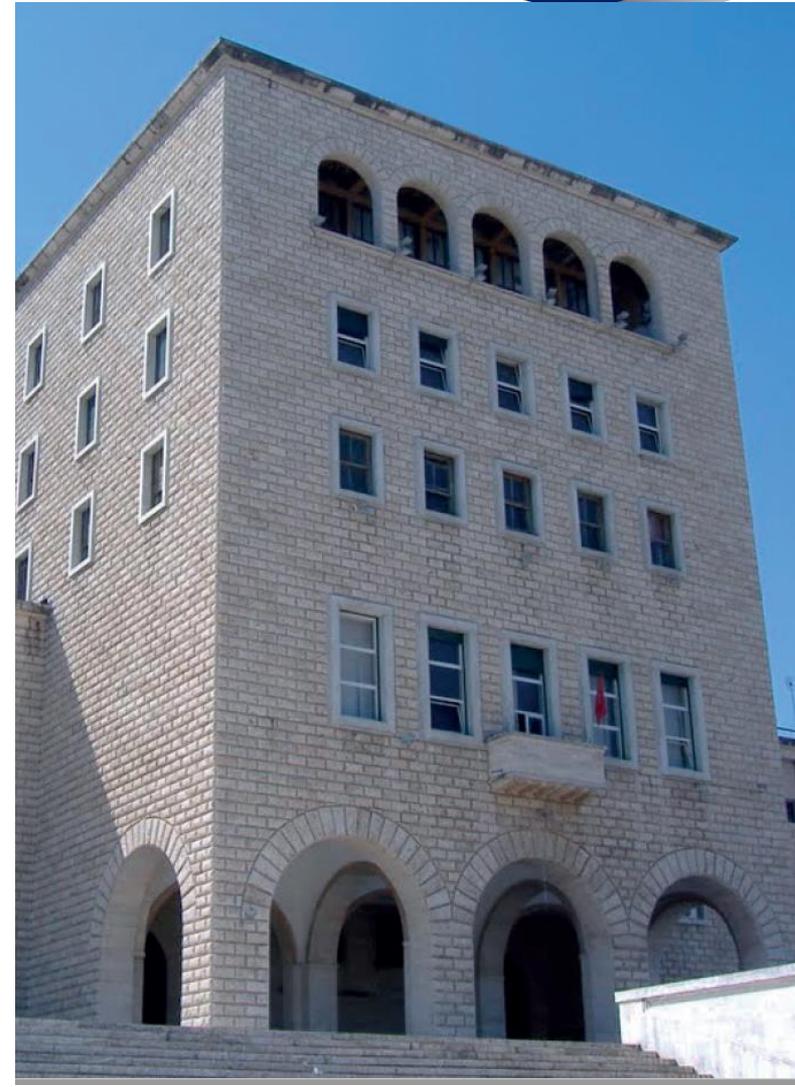
Prof. Dr. Genti GUXHO
Dr. Tatjana SPAHIU



BRIEF HISTORICAL OVERVIEW FOR PUoT



- ❖ Founded in 1951, which marks the beginning of Higher Education in Albania, initially part of the Higher Polytechnic Institute
- ❖ Later on In 1991 as Polytechnic University of Tirana that:
 - Is the only public polytechnic university in Albania
 - Has the longest acquirement and experience in our country in engineering fields



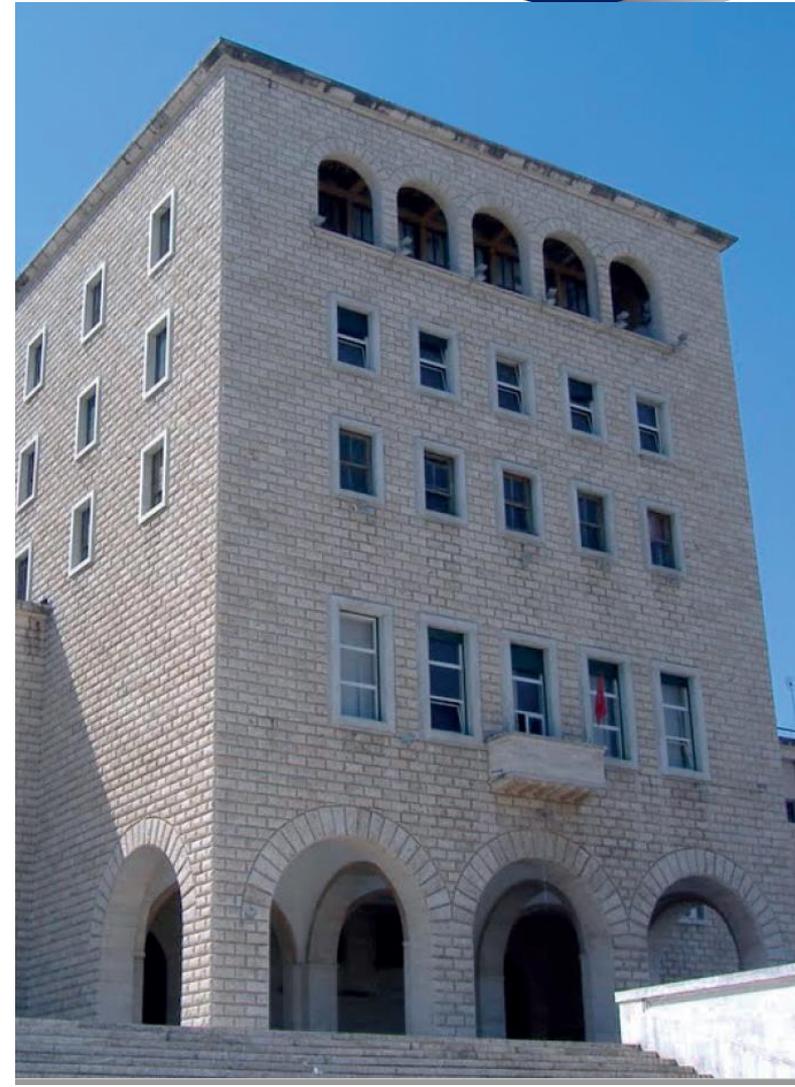


Mission and Vision



❖ Polytechnic University of Tirana aims:

- To create, transmit, develop and protect the knowledges through education, scientific research and services and prepare specialists and a new generation of scientists;
- To offer long-life learning in all the fields of expertise;
- To contribute in economic development in national and regional level.
- To contribute in increasing the standards of democracy, civilization of society and preparing the youth for such a society.





Main Units of PUT



**Faculty of Mechanical Engineering
(FME)**

**Faculty of Electrical
Engineering (FEE)**

**Faculty of Construction
Engineering (FCE)**



**Faculty of Geology &
Mining (FGM)**

**Faculty of Information Technology
(FIT)**

**Faculty of Architecture and
Urban Planning (FAUP)**

**Faculty of Mathematical Engineering
and Physics (FME & PhE)**

**Institute of Geo-sciences and Energy,
Water and Environment (IGEWE)**



POLYTECHNIC UNIVERSITY OF TIRANA ALBANIA



STUDY PROGRAMS

Bachelor – 21 PROGRAMS

Professional Master – 18 PROGRAMS

Master of Science – 19 PROGRAMS

Doctorate school – 9 PROGRAMS



FACULTY OF GEOLOGY AND MINING (FGM)



Departaments:

Department of Earth Sciences
Department of Applied Geology, Environment and
Geo-informatics
Department of Mineral Resources Engineering
Department of Energy Resources

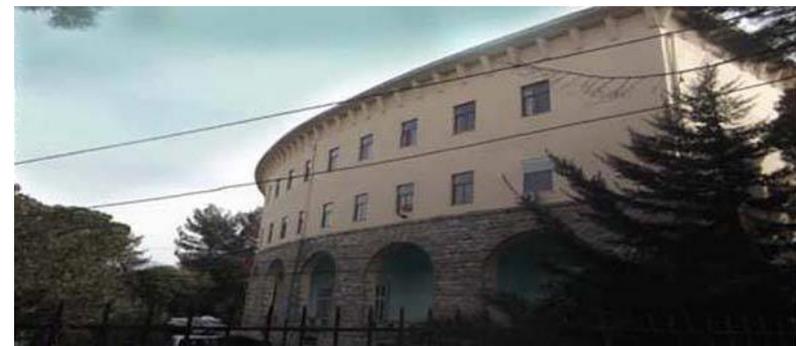
Bachelor Diplomas:

1. Earth Sciences Engineering
2. Geo-informatics Engineering
3. Georesources Engineering

Master of Science Diplomas:

1. Geological Engineering
2. Natural Resources Engineering
3. Geophysics Engineering
4. Geoenvironmental Engineering

PhD in Geo-sciences, Resources and Environment



Departments:

1. Department of Electrical Systems of Power
2. Department of Electrotechnics
3. Department of Automation

Diplomas:

1. Bachelor degree in Electrical Engineering
2. Master of science (MSc) in Electrical Engineering

PhD in Electrical Engineering





FACULTY OF MATHEMATICAL ENGINEERING & PHYSICS ENGINEERING (FIM&IF)



Departments:

1. Department of Physical Engineering
2. Department of Mathematical Engineering
3. Department of Chemistry
4. Foreign Languages Centre

Diplomas:

Bachelor in Physical Engineering
Bachelor in Mathematical Engineering

Master in Physical Engineering
Master in Mathematical Engineering

PhD in Mathematical Engineering
PhD in Physical Engineering





FACULTY OF CIVIL ENGINEERING (FCE)



Departments:

1. Department of Building Constructions and Transport Infrastructure
2. Department of Mechanics of Structures
3. Department of Environmental Engineering
4. Department of Hydrotechnics and Hydraulics
5. Department of Geodesy



Diplomas:

Bachelor in Civil Engineering
Bachelor Hydrotechnics Engineering
Bachelor in Environmental Engineering
Bachelor in Geodesy Engineering

Master of Science in Civil Engineering
Master of Science in Environmental Engineering
Master of Science Dual Diploma in Civil Engineering in partnership with Ecole Spéciale des Travaux Publics, Paris, FRANCE

PhD in Construction Engineering profile
PhD in Geodesy Engineering profile



FACULTY OF INFORMATION TECHNOLOGY (FIT)



Departments:

1. Department of Electronics and Telecommunications
2. Department of Computer Engineering
3. Department of Fundamentals of Informatics



Diplomas:

Bachelor in Electronic Engineering
Bachelor in Computer Engineering
Bachelor in Telecommunication Engineering

Master of Science in Electronic Engineering
Master of Science in Computer Engineering
Master of Science in Telecommunication Engineering

PhD in Computer Engineering
PhD in Telecommunication and Information Engineering



FACULTY OF ARCHITECTURE AND URBAN PLANNING (FAUP)



Departments:

1. Architecture
2. Restauration and Architecture Technology
3. Urbanism

Diplomas

Bachelor

Master of science in Architecture and Urbanism.

PhD in Architecture – Urbanism.





FACULTY OF MECHANICAL ENGINEERING (FME)



Departments:

1. Department of Energy
2. Department of Mechanics
3. Department of Production Management
4. Department of Textile and Fashion

Diplomas

1. Bachelor in Mechanical Engineering
2. Bachelor in Textile and Fashion Engineering
3. Bachelor in Materials Engineering

Master of Science:

1. Mechanical Engineering
2. Energy Profile
3. Machine Construction and Movable Vehicles Profile
4. Industrial Production and Management Profile
5. Textile and Fashion Engineering
6. Materials Engineering
7. Materials Profile
8. Metallurgy and Foundry Profile

PHD in Mechanical Engineering & Textile





INSTITUTE OF GEOSCIENCES AND ENERGY, WATER AND ENVIRONMENT (IGEWE)



Departments:

1. Department of Geo-Resources and Geo-Environment
2. Department of Regional and Engineering Geophysics
3. Department of Seismology
4. Department of Water Economy and Renewable Energy
5. Department of Climate and Environment



International Relations



Polytechnic University of Tirana has a long history of collaboration through different Cooperation Agreements and Memorandums of Understanding:

- ❖ University of HAUTE -ALSACE(France)
- ❖ University of Firenze (Italy)
- ❖ University “La Sapienza”, Rome (Italy)
- ❖ University of Ghent (Belgium)
- ❖ Polytechnic University of Torino (Italy)
- ❖ Institute of Technology Fukuoka (Japan)
- ❖ Polytechnic University of Bari (Italy)
- ❖ University of Siegen (Germany)
- ❖ Louisiana State University and Agricultural & Mechanical College (USA), etc.



Projects



Partners in several projects (Tempus, Erasmus Mundus, Erasmus+):

- Graduates Advancement and Development of University Capacities in Albania (GRADUA)
- IT Governance for Albanian Universities (ITG4AU)
- Western Balkans Academic Education Evolution and Professional's Sustainable Training for Spatial Data Infrastructures (BESTSDI)
- Modernising Geodesy Education in Western Balkan with focus on Competences and Learning Outcomes (GEOWEB), etc.



Networks



Member of different Networks:

- ❖ BSUN (Black Sea Universities Network)
- ❖ UNICA (Universities from Capitals of Europe)
- ❖ AUF (Agence Universitaire de la Francophonie)
- ❖ SEFI (Société Européenne de la Formation des Ingénieurs)
- ❖ CUM (Communauté des Universités de la Méditerranée)



Scientific Research



❖ The Scientific Research Directory

- develops,
- coordinate
- promotes scientific excellence & innovation

in each Faculty (Unit) and the respective departments as well as in the Institute of Geosciences, Energy, Water and Environment.

❖ Part of the scientific research are the also the Doctoral Schools



HISTORY OF TEXTILE & FASHION DEPARTMENT



- Textile and Fashion Department (TFD) is unit of the Faculty of Mechanical Engineering at the Polytechnic University of Tirana
- The Textile Engineering was established in 1968
- Since the establishment of the Textile and Fashion Department hundreds of specialists have been graduated



- Garment and footwear industry is one of the most important sectors for the economy of our country.
- Graduation in textile engineering and fashion in PUT offers a skilled and qualified workforce.
- In the period between 2005 and 2006 Department of Textile and Fashion successfully applied the two cycle system (undergraduate and graduate) according the Bologna Declaration¹





ACCREDITED LABORATORY OF TEXTILES AND LEATHER



- ❖ Laboratory has been originally accredited in May 1996 by Albanian Accreditation Body serving as the only centre of conformity assessment in Albania
- ❖ Laboratory has been regularly accredited later in 2001, 2005, 2006, 2011 and 2016 for testing of textile materials and leather.





ACCREDITED LABORATORY OF TEXTILES AND LEATHER



- All tests are ISO, EN, DIN, etc., standards compliant
- Laboratory has been regularly involved in inter-laboratory tests and proficiency tests with European laboratories



- The laboratory is unique in the PUT.
- It contains two production industrial sewing lines, a knitting machines line, an industrial plotter a 3D scanner, a network with LECTRA software installed, a network of MIND CAD products.



- The laboratory offers to small and medium enterprises as well as public institutions qualified assistance in design and modeling



ATELIER OF FASHION DESIGN AND MODELING



- ❖ The atelier of design and modeling is a relatively new facility of the TFD and serves as a center of preparation and education of young designers.





Fashion Show and Career Day



- It is yearly organized activity where students present their own works in form of mini collections.
- The purpose is the promotion of our students as high specialists in technology of production, design and pattern making for garments and footwear.
- It brings closer our academic unit with public institutions and the industrial sector of garment and footwear.





SCIENTIFIC WORK AND PROJECTS



- Study on consumer preferences
- Study on consumer demand
- Study on the quality of Albanian woolen fibers
- Study on the Albanian standards for textiles in cooperation with DPS
- Digitalization in garment design
- National project on anthropometric measurements and the new Albanian police force uniforms
- Technical and didactic capacity growth of the Textile and Fashion Department in the field of quality control of textiles and products made with textiles
- Mapping of the resources for natural raw materials for the textile industry in Albania
- Quality and Equity Project – Capacity Enhancement for the Textile and Fashion Department (World Bank, European Bank for Development and Albanian Government)
- FP6 RETEXRESALAB - Reinforcement of human and material capacities of textile research center in Albania.
- Quality and Equity Project for the High Education - Strengthening of the CAD/CAM Laboratory at the Department of Textile and Fashion for Garment Design and Production (World Bank, European Bank for Development and Albanian Government)
- Increase of productivity for the Albanian Garment manufacturers in Albania
- Increase of productivity of the Albanian garment producers

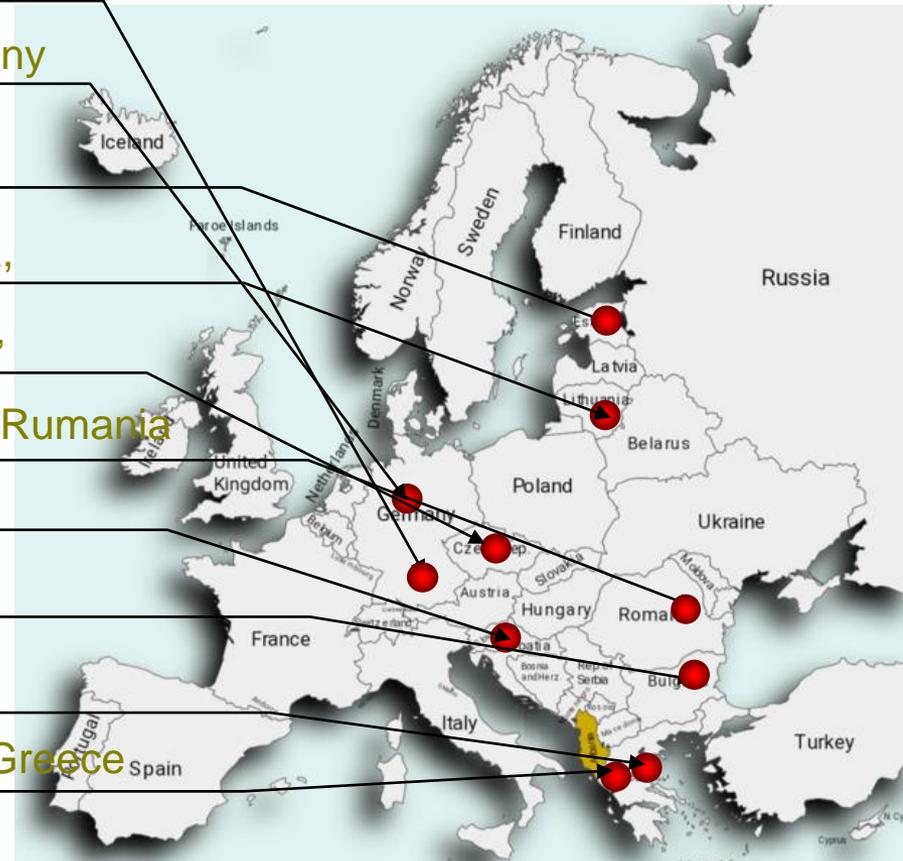


Erasmus+ Projects for staff and students exchange (Textile & Fashion Department)



Erasmus+

- Westsächsische Hochschule Zwickau, Germany
- Bielefeld University of Applied Sciences Germany
- TTK University of Applied Sciences, Estonia
- University of Applied Science, Vilnius, Lithuania,
- Technical University of Liberec (TUL), Czech Republic,
- "Gheorghe Asachi" Technical University of Iași, Rumania
- University of Zagreb, Croatia
- Trakia University - Stara Zagora, Bulgaria
- University of West Attica, Greece
- University of Western Macedonia, Kila Kozani Greece





Conferences



Since July 2008, the Textile and Fashion Department is accepted as a full member of the AUTEX international network of textile universities.



Since 2020, the Textile and Fashion Department is part of NETFAS.

Main topics

1. Energetics

Advanced Energetics Technologies, Energy Resource Efficiency, Clean & Renewable Energies, Economic development, global warming and environmental protections, *etc.*

2. Constructions & Transport

Numerical Methods for Data Manipulation, Construction Science and Technology, Transport Systems, Intelligent transport, *etc.*

3. Materials

Materials science and application, Biopolymers and Biotechnology, Manufacturing and processing of paper, plastics, rubber, glass, Ceramics, *etc.*

4. Management and Production

Technology management, Marketing research, strategy and Industrial marketing, Financial Management, Information Technology in Enterprises, E-activities and E-commerce, *etc.*

5. Textile

Textile Processing, Testing and Quality Control, Developments in Textile Machinery, Modelling and Simulations, *etc.*

Contact Information:

itc-icee-2021@fim.edu.al

Mechanical Engineering Faculty
Polytechnic University of Tirana, Albania
Sheshi "Nënë Tereza", Nr.1, 1019, Tirana, Albania.

Please for more information visit:

<http://fim.upt.rash.al/index.php/9th-itc-3rd-icee-2021-conference/>

*9th ITC & 3rd ICEE 2021 will be a Hybrid multi-event, combining Live (On-site) and Virtual (On-line) presentations and participation.

Invitation

We have a great pleasure to invite you to the 9th International Textile Conference & 3rd International Conference on Engineering and Entrepreneurship 2021, which will be held 18 – 19 November 2021 in Tirana, Albania. Organized by Mechanical Engineering Faculty, Polytechnic University of Tirana.

This event coincides with the 70th anniversary of Polytechnic University of Tirana.

*Selected papers will be published in International Journal of Innovative Technology and Interdisciplinary Sciences (IJITIS).

You can send your **abstract and full paper** via e-mail: itc-icee-2021@fim.edu.al

General Information

Place: Tirana, Albania

Date: 18—19 November 2021

Scheduled Deadlines:

Abstract submission:	20 June 2021
Abstract confirmation of acceptance	30 June 2021
Full Paper submission	30 September 2021
Regular Registration and Payment:	11 October 2021
Fee for one paper	50€
Conference language	English



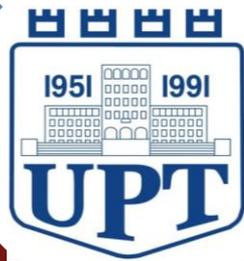
9th International Textile Conference & 3rd International Conference on Engineering and Entrepreneurship



Tirana, Albania, 18-19 November 2021



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Thank you!