



SUMMER ACADEMY 2026

Faculty: Energy Engineering





Overview

The primary objective of the Summer Academy is to provide participants with comprehensive knowledge of both the theoretical and practical aspects of Energy Engineering. Through expert panel discussions and interactive workshops, participants will gain insights into modern power systems, renewable energy technologies, global energy transition challenges, energy security, and sustainability.

The central theme of the Summer Academy at the Faculty of Energy Engineering is “Challenges of the Sustainable Energy Transition.” The program is designed to address key issues arising from the ongoing energy transition, including the integration of renewable energy sources, energy storage systems, battery technologies, and other emerging solutions into modern power systems. The rapid expansion of renewable energy sources across Europe is transforming and challenging the energy sector. While renewable energy technologies offer significant environmental and economic benefits, each technology presents distinct advantages and limitations that are influenced by geographical, technical, regulatory, and socio-economic factors. Understanding these opportunities and challenges is essential for developing resilient, secure, and sustainable energy systems capable of meeting future energy demands.

The Summer Academy will serve as a platform for knowledge exchange, professional development, and interdisciplinary collaboration, enabling participants to explore innovative approaches and best practices for achieving a successful and sustainable energy transition.

Key Topics:

- Electricity Generation
- Solar Energy (PV Systems and Thermal)
- Wind Energy
- Hydro Energy
- Integration of Renewable Energy Sources into the Power Grid
- Energy Storage Systems
- Transmission and Distribution Systems
- Smart Grids
- Energy Consumption Management
- Challenges of Electric Vehicle Integration into the Power Grid
- Design of a Photovoltaic System
- Study Visit



Learning Outcomes:

Upon successful completion of the Summer Academy, participants will be able to:

- Analyze the impacts of renewable energy source integration on the global energy transition and the development of the energy sector in Kosovo.
- Evaluate the influence of emerging technologies and technological advancements on modern energy systems.
- Establish professional networks and foster collaboration with peers, experts, and energy sector professionals.
- Develop and present innovative solutions to real-world energy challenges.
- Apply theoretical knowledge to practical situations through case studies and problem-solving exercises.
- Communicate technical ideas, findings, and recommendations effectively and professionally.
- Enhance practical competencies through workshops, hands-on exercises, and project-based learning activities.
- Strengthen continuous learning and professional development through real-world case studies, simulations, and technical site visits.

Target Group:

Undergraduate and Master's students, UBT academic and administrative staff, energy sector professionals, civil society representatives, and stakeholders from the public, private, and industrial sectors..

Registration Information:

To register for this Summer Academy, please visit the official Global UBT Fest 2026 platform at: www.fest.ubt-uni.net

The agenda is subject to change. All registered participants will receive the final version of the agenda via email.