

Politehnica University Timisoara (UPT) one of the Romanian schools with tradition is an university of advanced research and education that has gained its national and international recognition through the ongoing activity of generations of teachers and the exceptional activity of prestigious academics.

The research activity of UPT is carried out through the Research Institute for Renewable Energies - ICER, as well as in the 25 research centers able to carry out research grants in national and international competitions, to generate fundamental research activities and high quality application. These centers are specialized in the field of engineering sciences and not only, aiming at excellence in key multidisciplinary fields of society development, such as: information and communication technology; energy, environment and climate change; advanced production technologies and materials; safety and durability of constructions, etc. The aim is to interconnect these fields with doctoral, postdoctoral, and postgraduate training programs, as well as the transfer of know-how to society.

Most of the research activities carried out in UPT are financed by external sources obtained by participating in national and international calls, respectively by contracts with private companies. This represents a confirmation of the superior quality of the research and also of the prestige and professional deontology of the researchers affiliated to this institution. Politehnica University Timisoara has always been involved and still continues to be involved in a series of projects funded by national programs (funds provided by the Romanian Government through UEFISCDI, ANCSI), international programs (Horizon2020 Framework Program, European Cooperation in scientific and technical research, European Space Agency, Erasmus +, Bilateral Cooperation).

Polytechnic University Timișoara is involved in projects such as H2022, HORIZON, ESA, DIGITAL, Thales, EEA, ERANET, MERANET, IAEA, EUKI.

Characteristics of the framework for scientific research in UPT are:

- ✓ makes scientific research one of the main sources of income for the university.
- ✓ allows the consolidation, development, and enrichment of the material base of research.
- ✓ materially and morally stimulates those involved in research.
- ✓ raises the importance and increases the contribution of doctoral education.
- ✓ selects the human resource suitable for research starting with the period of initial training and master's degree.
- ✓ increases the degree of responsibility and involvement of departments in the design of research activities, in the establishment of research centers and the development of research laboratories; cultivates in the university the new European research culture and supports the integration of the university members in research networks and in programs of European scope;
- ✓ encourages the formation of real added value, both theoretically and applied
- ✓ guides the scientific research in two main directions, on one hand to comply with European Union guidelines and on the other hand in the same time to respond to the needs of development and consolidation of the local, regional and national environment.

- ✓ ensures visibility for the university and its human resources in the international scientific community
- ✓ ensures conditions for scientific guidance and information to be effective.
- ✓ informs the public opinion, the decision spheres and the academic environment on the performances obtained on a scientific level by the members of the academic community of the university.

Politehnica University Timisoara has an infrastructure which ensures best conditions for teaching and researching. The excellent spaces and equipment which the university offers are a consequence of the last decade's modernization and investment.

Fully consistent with its mission, with the desire to assert itself internationally, Politehnica University Timisoara is currently developing fruitful collaboration with many universities in Europe, USA, Canada, South America and Asia, resulting in over 190 cooperation agreements concluded directly or under European Union programs.

The university's campus includes 16 student hostels offering approximately 6500 beds, a student cafeteria, a student medical center and two modern sports centers. The 10 faculties of the university provide education programs to approximately 13,500 students. Within the 26 departments of the university, there are nearly 800 teachers and almost 1000 members of staff working in the auxiliary and administrative departments.