



TECHNICAL UNIVERSITY - SOFIA

FACULTY OF TRANSPORT

WHO WE ARE:

The Faculty of Transport is one of the oldest faculties of the Technical University - Sofia. It was founded with the establishment of the State Polytechnics in 1945. By 1963 there were two departments: Internal combustion engines and automotive vehicles and Rolling stock. The Department of Air Transport was founded in 1994. At present, the Faculty of Transport has three specialised departments: Department of Engines, Automotive Engineering and Transport; Department of Railway Engineering; Department of Air Transport and two departments of general engineering: Department of Mechanics and Department of Strength of Materials.

The Faculty of Transport trains students in the field of all transport modes (except for waterborne) in three programmes:

- Transport Equipment and Technologies;
- Aviation Equipment and Technologies;
- Technology and Management of Transport.

All programmes are accredited by the National Evaluation and Accreditation Agency for higher education institutions. The faculty trains students for the educational and qualification degrees of Bachelor and Master and the educational and scientific degree of Doctor (PhD). In 2009 a new program in English, Information Technologies in Transport, started in cooperation with the Faculty of Computer Systems and Control.

At present, the faculty and its departments keep active contacts with more than 30 universities, research institutions and laboratories all over the world. Among them are the well-known University College in London, Research Centre of Fiat Auto, the University of Sheffield, the University of Hanover, the University of Applied Sciences in Darmstadt, and the Silesia University of Technology.

COLLABORATION INTERESTS:

As a research unit of the biggest technical university in Bulgaria, the Faculty of Transport is interested in participating in all international projects within FP7 as well as in other research and educational projects in the field of transport. The faculty is able to be a coordinator or partner in research and it can provide scientific experts and consultants.

AREAS FOR R&D COLLABORATION:

The main fields of cooperation in research and development are:

- Theory, structure and design of vehicle units: internal combustion engines, automotive vehicles (cars, buses, trucks, tractors, motorcycles, etc.), aviation equipment

(planes, helicopters and aviation facilities), railway equipment (locomotives, passenger and freight wagons, trams, underground rolling stock, etc.);

- Dynamics, strength and reliability of vehicles;
- Technology of manufacturing, maintenance, repairs, testing and diagnostics of vehicles;
- Logistics, management and marketing in transport.

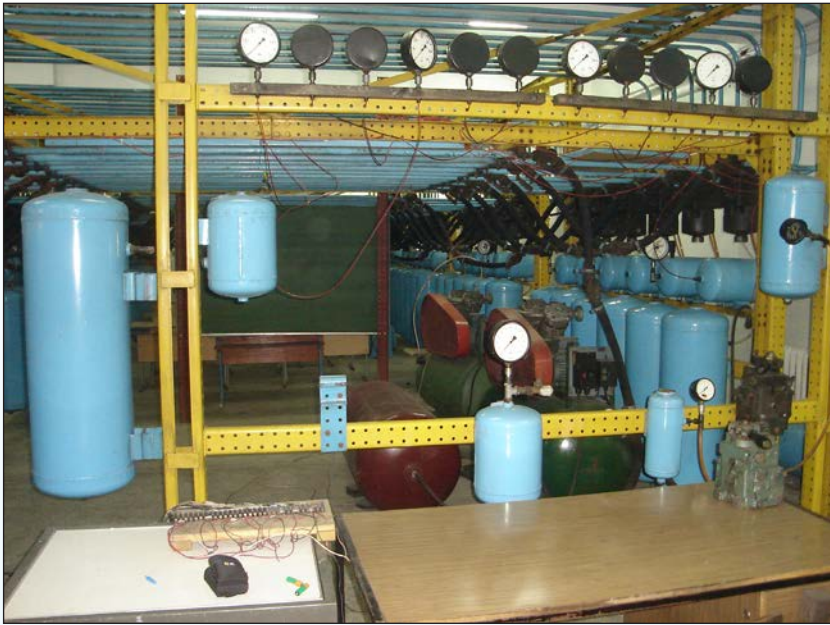
MAIN ACHIEVEMENTS:

The Faculty of Transport has long traditions in research activities. In the last five years the professors from the faculty have published more than 50 monographs, text-books and teaching materials and more than 150 papers in renowned Bulgarian and international journals. Also, more than 300 papers have been presented at conferences and congresses with international participation in Bulgaria and at international scientific forums. Professors from the faculty have participated in 22 research projects, including four projects supported by the World Bank, two TEM-PUS projects, one FP6 project and two FP7 projects.

WHAT MAKES US A GOOD PARTNER?

The research potential, professionalism and experience of the lecturers at the Faculty of Transport make it possible to actively participate in research in the fields of automotive, air, and railway transport. The faculty has also implemented successfully a number of international projects, which proves its reliability as a partner.





OTHER INFORMATION:

Name of the organisation: Technical University of Sofia

Organisation type: University

Name of the research department: Faculty of Transport

Number of researcher: 60

Working languages: Bulgarian, English, German, French, Russian

Webpage: www.tu-sofia.bg

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