



# University of Ruse

## Faculty of Automotive and Transport Engineering

### WHO WE ARE:

The Faculty of Automotive and Transport Engineering was founded in 1987. It is a significant educational centre in the fields of automotive engineering and transport in Bulgaria. Five departments operate within the Faculty – Internal Combustion Engines; Transport; Automobiles, Tractors and Fork-lift Trucks; Machine Science and Machine Elements; Engineering Drawing. The management bodies of the Faculty are the Faculty Assembly and the Faculty and Dean's Councils. The departments are managed by Departmental Councils and the heads of departments. The Faculty teaches students in to the following programs, accredited by the National Evaluation and Accreditation Agency of Bulgaria:

- Bachelor degrees: Automotive engineering; Transport management and technology;
- Master degrees: Automotive engineering; Transport management and technology; Investigation of internal combustion engines; Automated design of transportation machines and machine tools;
- PhD level: 02.01.42 "Internal Combustion Engines;" 02.01.49 "Automobiles, Tractors and Fork-lift Trucks;" 02.14.07 "Management of Automobile Transport;" 02.01.03 "Machine science and machine elements."

The high quality of teaching is achieved thanks to the modern facilities, the high-level of expertise of the academic staff and the traditions in the training of engineering graduates. 32 specialised laboratories are at the disposal of the students. Over 75% of the teaching stuff has an academic rank (docent or professor). There are over 800 students within different degrees and levels of study in the faculty. The faculty has bilateral agreements and connections with universities from England, Germany, Denmark, Belgium, Sweden, Ireland, Spain, Italy, Russia, Romania, Croatia, and Turkey.

### COLLABORATION INTERESTS:

The Automotive and Transport Engineering Faculty of the University of Ruse seeks participation in research and educational European projects. The specific areas are listed below. The role of the faculty could be as a scientific expert, research partner or consultant.

### AREAS FOR R&D COLLABORATION:

The main research fields of the faculty are:

1. Internal combustion engines;
2. Automotive engineering and agriculture tractors;
3. Electric vehicles;
4. Fork-lift trucks;

5. Traffic management;
6. Traffic safety, transport management;
7. ICE and automobile testing;
8. Transport ecology;
9. Mechanical gears;
10. CAD.

### WHAT MAKES US A GOOD PARTNER?

The advantages of the organisation are that there are good qualifications within the working research teams, good laboratory facilities and much experience in participating in European projects.

### EU PROJECTS:

- C-ENERGY, funded by FP7.
- External cooperation window for Georgia, Armenia and Azerbaijan (lot 5), № 132833-EM-1-2007-GR-ERA-MUNDUS-ECW, funded by Erasmus Mundus External Cooperation Window for Georgia, Armenia and Azerbaijan.
- Tree-dis teaching and research in engineering in Europe, 135740\_LLP-1-2007-1-IT-ERASMUS-EAM, funded by Erasmus Mundus.
- Intelligent use of energy at school, IEE/07/828/SI2.499427, funded by Intelligent Energy Europe.
- Green alternative postal vehicle – green post, IEE/07/119/SI2.466271, funded by Intelligent Energy Europe.
- Ecology and safety as a driving force in the development of vehicles, № ERA-IP-2007-PZ-041-304, funded by Erasmus Mundus.

### OTHER PROJECTS:

Over 20 research projects, financed by the Research Fund of the University of Ruse.

### OTHER INFORMATION:

**Name of the organisation:** University of Ruse

**Organisation type:** University

**Name of the research department:** Faculty of Automotive and Transport Engineering

**Number of researchers:** 40

**Working languages:** English, Russian, Bulgarian

**Webpage:** [www.uni-ruse.bg](http://www.uni-ruse.bg)

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