



# University of Belgrade – Faculty of Mechanical Engineering

## WHO WE ARE:

The Faculty of Mechanical Engineering of the University of Belgrade represents the oldest and the largest institution, providing university level education in the mechanical engineering profession in Serbia. It originates from the first Engineering school, established within the Great School, which was founded in Belgrade two centuries ago. Since 2005, a new system of studies, fully complying with the principals of Bologna Declaration, has been introduced at the Faculty of Mechanical Engineering. According to this programme, the Faculty of Mechanical Engineering offers all levels of education: Undergraduate (Bachelor's) academic studies, Graduate (Master's) academic studies and Doctoral studies covering the key mechanical engineering areas. Mechanical Engineering is the first faculty which successfully completed the accreditation process in Serbia. All of its study programmes have been accredited since April 12, 2008 by the Committee for Accreditation and Quality Verification of the Republic of Serbia. The Faculty of Mechanical Engineering performs research and education in twenty one specialised research areas. The Faculty has large capacities in terms of the number of researchers, laboratories and research projects.

## COLLABORATION INTERESTS:

As an institution with large number of researchers, the Faculty of Mechanical Engineering is interested in cooperation with other institutions, dealing with research in the field of mechanical engineering in general or in some multidisciplinary researches in particular. Projects regarding all transport modes, including aeronautics as well as nano-sciences and nano-materials, artificial neural networks etc. are very interesting topics for the researchers of the faculty. Possible collaboration in future projects includes the involvement of the staff as scientific experts and as research partners.

## AREAS FOR R&D COLLABORATION:

The Faculty of Mechanical Engineering performs research in the following areas of mechanical engineering:

- Biomedical Engineering;
- Aerospace Engineering;
- Naval Engineering;
- Welding and Welded Structure;
- Design in Mechanical Engineering;
- Information technologies;
- Railway Mechanical Engineering;
- Internal Combustion Engines;

- Engineering of Biotechnical Systems;
- Motor Vehicles;
- Industrial Engineering;
- Food Industry Engineering;
- Control engineering;
- Process Engineering and Environmental protection;
- Weapon Systems;
- Thermal Power Engineering;
- Material handling;
- Construction and Logistics;
- Hydropower Engineering;
- Thermal Science Engineering;
- Computational engineering.

## MAIN ACHIEVEMENTS:

More than 3000 students are currently studying at the faculty and about 400 of them graduate every year. The faculty has a total of 400 employees and more than 200 of them are involved in research and lecturing. All study programs have been accredited since April 12, 2008 by the Committee for Accreditation and Quality Verification of the Republic of Serbia. The faculty has active collaboration with 68 foreign faculties and universities. It is also active as an institution that is leading and participating in a number of national projects. At the present moment, the Faculty of Mechanical Engineering of the University of Belgrade is trying to improve its participation in regional and European projects as well.

## WHAT MAKES US A GOOD PARTNER?

- Well developed research infrastructure and administrative support;
- Broad range of experienced specialised researchers, responsible and ready to participate in challenging research projects.

## PROJECTS:

The Faculty of Mechanical Engineering participates as a partner in two of the five projects with Serbian participation, funded by the FP7 programme, theme transport (including aeronautics):

- **FP7 Project: PubTrans4All** – *Accessibility for All;*
- **FP7 Project TransNEW** – *Support for realising new Member and Associate States' potentials in transport research.*



*Internal combustion engine laboratory*

**OTHER INFORMATION:**

**Name of the organisation:** University of Belgrade – Faculty of Mechanical Engineering

**Organisation type:** University

**Name of the research department:** Faculty of Mechanical Engineering

**Number of researchers:** 220

**Working languages:** English, German, French

**Webpage:** [www.mas.bg.ac.rs](http://www.mas.bg.ac.rs)

**Contact person:** Prof. Dr Milorad Milovančević

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