

International Science and Technical Cooperation of the Faculty of Mechanical Engineering in Kraljevo

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The Faculty of Mechanical Engineering of Kraljevo is the bearer of regional, commercial and technological development and is also a significant bearer of an international science and technical collaboration of the Republic of Serbia. By participating in the realization of science and research projects was achieved collaboration with the recognized universities and science institutions in the world, which brought an international affirmation of the science and research programs of the Faculty of Mechanical Engineering in Kraljevo. With the realization of two projects from the FP 7 program and two from the regional programs over the past three years were achieved vital results in terms of integration of research activities of the Faculty of Mechanical Engineering in Kraljevo into European flows, the burst of science and research staff and laboratory furnishing.

The paper shows the realized goals and results from the four current projects realized by and in which participates the Faculty of Machine Engineering in Kraljevo: SeRViCe - Center for Strengthening Railway Vehicles of the Faculty of Mechanical Engineering Kraljevo, TransBonus - Western Balkan Network for Training, Support and Promotion of Cooperation in FP7 research activities, ATC Serbia – Automotive Training Centre for Central Serbia and IMPuls - Innovation Management for new Products.

Keywords: International projects, research, development, education

0 INTRODUCTION

The Faculty of Mechanical Engineering in Kraljevo first began its international science and technical cooperation in the field of railway mechanical engineering, through the development of its own research center, only to later broaden this collaboration by building one of the most modern experimental facilities in Europe for testing railway vehicles. After this project, the collaboration extended to the TransBonus project through which activities took place in several countries in the Balkans.

The competence of the Faculty of Mechanical Engineering in Kraljevo in the education of engineers was confirmed by its participation in the project – ATC Serbia. Furthermore, through the IMPuls project, valued at around EUR 1mn, realized over the following two years, the Faculty of Mechanical Engineering became one of the most significant bearers of science and technical cooperation from the University in Kragujevac. With the realization of a couple of project from the FP 7 program over the past three years were achieved vital results in terms of integration of research activities of the Faculty of Mechanical Engineering in Kraljevo

into European flows, the burst of science and research staff and laboratory furnishing.

1 SeRViCe PROJECT

The project Center for Strengthening Railway Vehicles of the Faculty of Mechanical Engineering Kraljevo (SeRViCe) is the first big international project coordinated and realized by the Faculty of Mechanical Engineering of Kraljevo. Dragan Petrovic took over the duty of project manager after Ranko Rakanovic.

The basic goal of the project is the development of the Center for Railway Vehicles of the Faculty of Machine Engineering in Kraljevo, and is focused on:

- Higher quality and more efficient teaching process and education of students of all study levels from the field of railway mechanical engineering and testing of machine constructions,
- The growth of staff in line with leading global trends from the field of railway mechanical engineering and procurement of lab equipment and
- Participation in science and research and development projects with commerce,

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