

R&D Profile Form



Name of the Organisation	University of Belgrade Faculty of Mechanical Engineering Department of Rail Vehicles
Organisation Short Name	UB FME DRV
Organisation Type	Education and Research
Country	Serbia
Fields of Activity	Department of Rail Vehicles was engaged in the field of railway technics of all types of rail vehicles (locomotives, motor trains, passenger and freight wagons, special rail vehicles, tramways, metros etc.). Last twelve years, development researches include development of hydrodynamic transmission of railway traction vehicle, actually locomotive of low power and development of passive safety elements which are most significant for passenger safety. Work in field of passive safety includes design, analyses and testing of collision kinetic energy absorber, and includes investigations which were realized via collision of passenger coaches. Applied researches are connected with investigations and calculations of strenght of vehicle structure and parts of them, investigations of dynamic behaviors of vehicles in exploatation, investigations of assemblies, subassemblies and elements of rail vehicles, etc. Long term works in many projects of national and international railway industries were resulted with a lot of experience for members of department and competitiveness on national and international markets.
Skills and Expertise Offered	Development, Design, Testing of railway vehicle and its components
Keywords	Development, Design, Testing, Dynamic behavior
Previous FP Projects Participated	PubTrans4All, TransNew
Topic(s) Interested	MG.2.3-2014. New generation of rail vehicles
Contact Person	Prof. Dr. Vojkan Lucanin
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