„Graduate School of Excellence advanced Manufacturing Engineering in Stuttgart” (GSaME) once again successful in the Excellence Initiative by the German Federal and State Governments to Promote Science and Research at German Universities

The main goals of the graduate school GSaME are to promote a new type of young researchers and managers for the factories of the future, to serve with outstanding research results in the economically important area of advanced production technologies and to care for the industrial application of these results. The graduate school GSaME is funded since 2007 by the Excellence Initiative and was successfully selected for the second phase of the funding initiative.

The graduate school GSaME has developed and implemented an innovative concept to promote doctorates. The program is without parallels on a national and international level and offers valuable alternatives to already existing doctoral programs. GSaME’s concept offers the possibility to qualify young researchers from the fields of engineering, information sciences and business administration with a clear view to current and future requirements of a highly competitive and globalized work and market environment and in an already close cooperation with the economy. Additionally, this qualification takes place in a shortened span compared to conventional doctoral programs. In order to match these challenges, GSaME has seized the proven dual educational system and has successfully re-adjusted it to the special requirements of a doctoral program.

GSaME started as an experiment and turned out to be a success model. This is reflected within more than 20 successful cooperations with renowned companies in the area of mechanical and electrical engineering and the automotive industry as well as with additional research partners. Today, more than 60 doctoral researchers work at GSaME and 20 of them will have finished their doctorate by the end of the year – all of them in great demand of the industry and partially equipped with prestigious awards.

During the second funding period, the strategy of GSaME is focused on the further advancement of its interdisciplinary research and educational system and on measures which increase the attractiveness of GSaME for female and international graduates in order to make full use of the developed cooperation model – the dual scientific system – and its international rollout. Efforts of research work will focus on the further development of technologies and methods for the factory of the future. The industry of Baden-Wuerttemberg is the world leader in providing plant machinery and equipment. GSaME will make a distinct contribution to maintain this leading position in the future and to create future production trends. In accordance with innovative and future-oriented actions which take the trend towards new forms of cooperation between science and economy into consideration, GSaME will ensure the sustainable and successful developed of the graduate school in future through public-private partnership model.