



PERM NATIONAL RESEARCH POLYTECHNIC UNIVERSITY

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PRESS-RELEASE

Education 4.0

Much has been talked about Industry 4.0. All over the world companies have started to work on modular, networked machines, which can connect and communicate with each other, exchanging information and forming complex systems, which are more than the sum of their parts. Four leading higher education institutions in the Russian Federation, including Perm National Research Polytechnic University, have realized the potential of this idea for study programs and formed a project consortium together with industry and universities from the European Union, to realize an ambitious project: Transferring the main ideas of industry 4.0 to education.

The resulting project is called “SUCCESS” and is supported by the TEMPUS program of the European Union and coordinated by FH JOANNEUM in Graz, Austria. The project develops an international MA course program ‘Ensuring of Product Lifecycle Technological Process Efficiency’ and supports its realization in Russian partner universities according to the principle of networking interaction and modularization. Highly qualified specialists in the sphere of engineering are trained using modern educational concepts. A module program ensures universities’ and disciplines’ interaction in educational process and involvement of employers at all stages of students’ training. Akin to modules in modern factories, blocks of education can be freely exchanged, enabling students to freely move between the participating universities. With the third semester offering a different educational focus in each of the universities, students have the possibility to choose to use the third semester to visit another partner- university, learn about their chosen specialization and return to their home university with the guarantee to have their grades fully accepted.

Additionally to providing the possibility of student’s mobility at the corresponding partner-universities, SUCCESS also aims at a much stronger connection between universities and industry, forming student-expert project groups, inviting experts from the industry as lecturers and fostering student placement in companies for internships.

In the winter semester 2015/16 the MA course has already started in Perm National Research Polytechnic University, South Ural State University and National Research Tomsk Polytechnic University. Next year the start of the program is also planned for Peter the Great Saint-Petersburg Polytechnic University.

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