

Polytechnic University and the Petroleum Experts Company develop cooperation in the sphere of education

A unique educational program [of Mathematical modeling of oil and gas production processes](#) is implemented at Polytechnic University on the basis of the [Higher School of Theoretical Mechanics](#) of the Institute of Applied Mathematics and Mechanics. Within the framework of the program and with support of the Gazpromneft-Polytech Research and Educational Center (REC), students study programming, modeling, and a number of specialized courses dedicated to the oil and gas industry. To organize an effective and practice-oriented educational process, REC Gazpromneft-Polytech signed an agreement with Petroleum Experts (PETEX) to provide the university with academic licenses for programs in which students will learn how to simulate a complete oil production system, right from a productive reservoir to surface infrastructure systems.



Petroleum Experts is one of the leading developers of engineering software in the oil and gas industry. To organize work with a single set of software tools for modeling the most common production systems, the company has created a series of Integrated Production Modeling (IPM) programs, which includes six software modules: PROSPER, GAP, PVTP, MBAL, REVEAL, RESOLVE. The IPM is currently the

leading software package in the oil and gas industry; it is adopted as the industry standard by the largest companies around the world. Using these programs, students should be able to learn in practice how to equip fields, simulate various processes of oil and gas production, work in the field of hydraulics, geomechanics, etc.



“Over 320 oil and gas production and service companies around the world use IPM programs in their operation. Now our students will also be able to implement their educational projects using this software,” says Vitaly KUZKIN, Deputy Director for Science of the Gazpromneft-Polytech REC. “We are grateful to PETEX for providing Polytechnic University with 10 licenses for each module of the program. For commercial purposes, the cost of this software is more than £ 1,648,600, but Polytechnic University was provided with these programs free of charge for the purpose of effective training of future petroleum engineers.”

Prepared by the Gazpromneft-Polytech Research and Educational Center

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