

“Polytechnic engineer changes the world with care for people”: the third day of SPbPU at WYF-2024

The World Youth Festival continues in Sirius. More than 20 thousand people from 190 countries are spending these days on the Black Sea coast, attending master classes and open lectures, participating in cultural events, getting acquainted and making friends all over the world. St. Petersburg Polytechnic University is a partner of the festival. University speakers take part in the business program, SPbPU hall hosts events introducing young people from different countries to the advanced engineering developments and educational potential of the university.



On March 4, the «Engineering Fusion» game was held in the Kapitza Hall of Polytechnic University space. The young people divided into teams and competed by solving problems and answering questions. This is an informative interactive event on the topic of engineering and engineering education with elements of team play, virtual and augmented reality. The university staff prepared a fascinating quest for young people, during which they not only discussed the most important issues of modern science and technology, distance education and climate change, but also introduced the participants to the best developments and research made by Polytechnic University throughout its history. The event was organized by the university's International Services team with the

help of Interclub activists.

An engineer is someone who changes the world, making it better every day. A polytechnic engineer changes the world quickly, without harming the environment and with love for people. Engineering is an amazing job, it is open to anyone. It does not matter how old you are, where you come from, what you used to do. Polytechnic is a platform for creativity, where everything is in your hands. Polytechnic is home to outstanding space engineers, roboticists, microelectronic engineers, IT specialists, machine designers, builders, specialists in additive technologies and digital modeling. Engineering Fusion will help you better understand how important the role of engineers is in the modern world and what opportunities are open to those who choose this profession, said Maria Vrublevskaya, Acting Vice-Rector for Advanced Projects at SPbPU.



Timur Khludeyev, Head of the Department of Electronic Resources Development, spoke about the unique competencies of Polytechnic in the implementation of distance education programs. SPbPU has been developing distance education technologies for more than 15 years, during which time more than 150 courses have been created. Many of them have been translated into a foreign language and posted on foreign platforms. This year the number of trainees exceeded the mark of 2 million people.

A mount with VR-glasses is working at the Polytechnic site throughout the

festival.



Alexander Semenchka, the host of «Engineering Fusion», Acting Director of the Scientific and Educational Center «Nanotechnologies and Coatings», told about global challenges that modern engineers are engaged in solving. He offered students to learn in practice how to measure the level of carbon dioxide.



Representatives of SPbPU's student association ReGreen also touched upon the environmental theme at the quest. Anastasia Ragozina spoke about the principles of reasonable consumption and respect for the environment, as well as about the current profession of a recycling technologist.



Alexander Shchukin, Associate Professor of the Higher School of Software Engineering, introduced the quest participants to the possibilities of distance IT education and told about unique interdisciplinary projects, in which computer technology specialists solve non-standard tasks in one team with chemists, builders, teachers and others. He invited the quest participants to come up with their own project relevant to their hometown and country.



«Engineering Fusion» ended with the awarding of the winners and a general photo session.

SPbPU employees organize two tracks for schoolchildren at the festival. Ivan Vasiliev, Associate Professor of the Higher School of Transport, and Maxim Pichugin, 1st year Master's degree student of the Higher School of Transport, develop the participants' research, experimental and creative capabilities in the field of studying machines and engineering.

