

## International Polytechnic Summer School 2022 brought together 400 students from 14 countries

The International Polytechnic Summer School kicked off at Polytechnic University. This year it takes place online and covers 9 areas, including engineering and natural sciences, information and digital technologies, civil engineering, energy technologies, economics, business and management, entrepreneurship in a digital environment, humanities, Russian language and culture, as well as the Summer School for young scientists.

The total number of students of the International Polytechnic School exceeded 400 people. Most of them are from China — over 300 participants. Summer students will also come from India, Turkey, Egypt, Syria, Algeria, Iran, Kazakhstan, Bosnia and Herzegovina, Austria, Italy, and France. The most popular destinations among the participants were programs in IT, energy, engineering and natural sciences, Russian language and culture.



The flagship of the International Polytechnic Summer School was the program, which the Polytechnic University implements together with the Moscow Aviation Institute (MAI). Professors from the two leading universities will give lectures as part of the module «Smart Manufacturing and Digital Future,» for which

38 students from different countries signed up.

All of our experience accumulated over the years of implementing joint programs with the world's leading universities, we now apply to the implementation of national network programs. The Smart Manufacturing and Digital Future summer school is our first joint program with the MAI, which combines the competencies of the two universities in the field of industrial digital technology. As a result, we have a unique educational product that is demanded by both foreign and Russian students as it provides relevant knowledge necessary for the development and digital transformation of the industry, commented Professor Dmitry Arseniev, Vice-Rector for International Affairs at SPbPU.

Within the joint module of the SPbPU summer school, professors-practitioners from the Moscow Aviation Institute will give a block of lectures on the application of digital technologies in product lifecycle management, systems engineering and technical management. This is the first step in the implementation of our complex interaction in the field of international activities aimed at the formation and implementation of new engineering educational programs based on interdisciplinary approach, noted Alexander Shemyakov, MAI Vice-Rector for Strategic Development.

International students of the International Polytechnic Summer School positively perceived the online learning format. I decided to take part in the summer school course because it is a good opportunity to get additional knowledge in my free time. Plus, it's a good learning experience in a foreign system. Unfortunately, I am not able to come to St. Petersburg yet, so I am very glad that there is an opportunity to take the course online. I hope that the knowledge obtained on the program will be useful in my studies and career, said a student of Zhejiang University Zhu Jiabin.

The fact that the programs are fully adapted to the distance learning format is confirmed by the professors themselves. Vyacheslav Potekhin, the director of the Northwestern Interuniversity Regional Training and Research Center SPbPU — FESTO, speaking about the unique features of the course, noted: The trainees have the opportunity to learn about new promising technologies in the field of IT development in industry in a short time. Another important feature of the program is its practice-oriented approach. Students gain new knowledge and apply the acquired skills in projects that are part of the program. To better implement projects, students work in teams, where each participant contributes to the development of engineering solutions.

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