



**ALAR**  
Training Center



ONLINE SUMMER SCHOOL

# SPACE TECHNOLOGIES

Jul 05 - 16, 2021

DO YOU WANT TO LEARN MORE ABOUT SPACE  
TELECOMMUNICATION AND HAVE EXCITING  
HOLIDAYS IN THE MOST BEAUTIFUL CITY OF  
RUSSIA? JOIN THIS SUMMER SCHOOL!

**ECTS credits: 4.0**



**POLYTECH**

Peter the Great  
St. Petersburg Polytechnic  
University



## BRIEF DESCRIPTION

The summer school course "Space Technologies" is suitable for senior undergraduate and graduate students as the first space technology course or an add-on course. The program aims to provide advanced techniques of space engineering and understanding the core physics principles related to space exploration. Space industry problems are also considered during the program in addition to technology topics. The theoretical courses cover astrophysics, space technology and physics. Students will train their practical skills during a hackathon (a creative coding marathon) and an interactive business simulation workshop. The speakers are industry experts and scientists experienced in the field of space technology.

---

### Cost:

**2 weeks:** US\$ 421

Participation fee includes tuition fee, study materials, visits to companies and cultural program, additional Russian Language virtual course by ALAR Training Center (33h) + Certificate



---

 **Enroll NOW**



**POLYTECH**  
Peter the Great  
St.Petersburg Polytechnic  
University



**ALAR**  
Training Center



### **Program dates:**

July 05 - 16, 2021

Duration: 2 weeks

Registration deadline: 14 June 2021

### **Cultural program:**

Online format:

- Online Pub Quiz
- Online Interactive Tour to SPbPU Museum
- Online broadcasting of excursion to the Hermitage museum

### **Entrance requirements:**

- Basic knowledge of physics.
- Fluent English. All classes and extracurricular activities are carried out in English. Knowledge of the Russian language is not required.
- Applicants are expected to have at least 3 years of University level studies

[Enroll NOW](#)



**POLYTECH**  
Peter the Great  
St. Petersburg Polytechnic  
University



**ALAR**  
Training Center



### **Professors and lecturers:**

- Aleksander Ivanchic, corresponding member of RAS
- Aleksander Blinov, professor of Space Investigation department, SPbPU
- Oleg Tsybin, professor of IPNT, SPbPU
- Vitaly Egorov, Dauria Aerospace
- Denis Malygin, head of Astronomicon
- Vladimir Mostepanenko, Pulkovo Observatory.

### **Skills and competence to be acquired by students:**

Satellites Engineering, Space Communication Techniques, Space Hardware and Equipment, Astronomy, Radio Telescopic techniques.

### **Program partners:**

- . The Institute of Applied Astronomy of the Russian Academy of Sciences
- . Pulkovo Observatory
- . Radio astronomical observatory "Svetloe"
- . Ioffe Institute
- . Astronomicon

[Enroll NOW](#)