



ALAR
Training Center



SUMMER SCHOOL

ELECTRICAL ENGINEERING

On-line / On-Campus: July 17 – 28, 2023

READY TO LEARN ABOUT AUTOMATIC VOLTAGE REGULATORS PRINCIPLES OF OPERATION AND ROOT CAUSES OF POWER SYSTEM BLACKOUTS? THIS SUMMER COURSE IS FOR YOU!

ECTS credits: 4.0



POLYTECH

Peter the Great
St. Petersburg Polytechnic
University



POLYTECH
Peter the Great
St.Petersburg Polytechnic
University



ALAR
Training Center



BRIEF DESCRIPTION

The School provides the unique opportunity to attend intensive academic program, which is composed of different lectures in nuclear engineering with experience from professors of European countries, with different opinions and approach.

The program lectures cover general terms of power systems; basic concept of power system stability, electrical 3-phase system. Fundamental terms of short-circuit currents calculations are introduced. Temporary and surge overvoltages, reactive power compensation means and high voltage cable lines application issues are also considered. Additionally, the course focuses on load flow analysis methods, synchronous machines' excitation systems and automatic voltage regulators principles of operation and root causes of power system blackouts. Special attention will be paid to the topic Grid Integration of Renewable Energies and e-Mobility. Active teamwork in small groups on projects of the course will bring deeper understanding of the subject.

Cost:

On-line: US\$512

On-campus: US\$735

Includes tuition, registration, 4 credits ECTS Certificate, Migration support (for on-campus course), virtual Russian language course by ALAR Training Center (33h) + Certificate





POLYTECH
Peter the Great
St. Petersburg Polytechnic
University



ALAR
Training Center



Program dates:

On-line: July 17 – 28, 2023

On-campus: July 17 – 28, 2023

Registration deadline:

On-line: July 5, 2023

On-campus: May 31, 2023

Entrance requirements:

- Fluent English. All classes and extracurricular activities are carried out in English. Knowledge of the Russian language is not required;
- The course is opened for Russian and foreign Bachelor, Master and PhD students with specialized background in Electrical Engineering or equivalent skills and knowledge.

WHY US?

We never stop developing. It is not our first rodeo! Our team is committed to learn and analyze every possible aspect of our course. Our students are in good hands – we deliver our promises concerning educational programme and many other activities that are created by our amazing staff!

