ALAR
Training Center

ONLINE SUMMER SCHOOL

POWER ELECTRONICS

July 19 – 30, 2021

JOIN THIS SUMMER COURSE AND LEARN HOW TO DESIGN ELECTRONIC CIRCUITS FOR THE IMPLEMENTATION OF PROFESSIONAL ACTIVITIES

ECTS credits: 4.0

POLYTECH
Peter the Great
St.Petersburg Polytechnic
University

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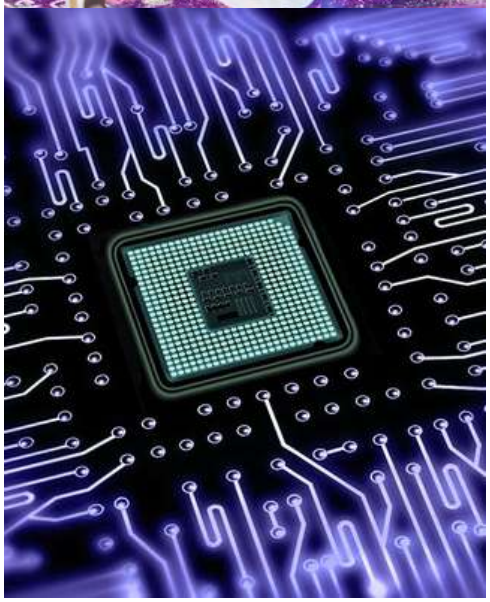

BRIEF DESCRIPTION

The course examines the basic methods for calculating steady-state and transient processes in electrical circuits, their application to the most common electronic circuits in engineering practice, including amplifiers, rectifiers, stabilizers, triggers and other devices. Much attention is paid to microcontrollers, their architecture and design. Separate chapters are devoted to Code Generation and Project Launch, as well as working with the MATLAB and Simulink programs. The complex of test and individual tasks will allow you to master the practical skills of designing and calculating electronic circuits necessary for the implementation of professional activities. All studies are developed accordingly to the European requirements and can be recognized as a period abroad. Besides studying at the university participants also visit leading energy companies.

Cost:

US$374 - includes Intensive Academic Program, Cultural Programme Online and Course Materials.

Enroll NOW

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Program dates: July 19 - 30, 2021

Registration deadline: July 3, 2021

Entrance requirements:
. Good command of English (B1+)
. All classes and out-of-class activities are conducted in English
. Knowledge of the Russian language is not required
. Applicants are expected to have at least 2 year of University level studies.

Professors and lecturers:
SPbPU professors, leading international professors and guest speakers from companies

Program partners:
- Electroapparat
- Brandenburg Technical University (Germany)
- Rosatom
- Lenenergo
- Toshiba

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