ALAR
Training Center

SUMMER SCHOOL

TURBO-MACHINERY

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

ARE YOU READY TO UNDERSTAND HOW DOES THE ENERGY INDUSTRY WORK? - JOIN THIS ONLINE SUMMER SCHOOL

ECTS credits: 4.0

POLYTECH
Peter the Great
St.Petersburg Polytechnic
University

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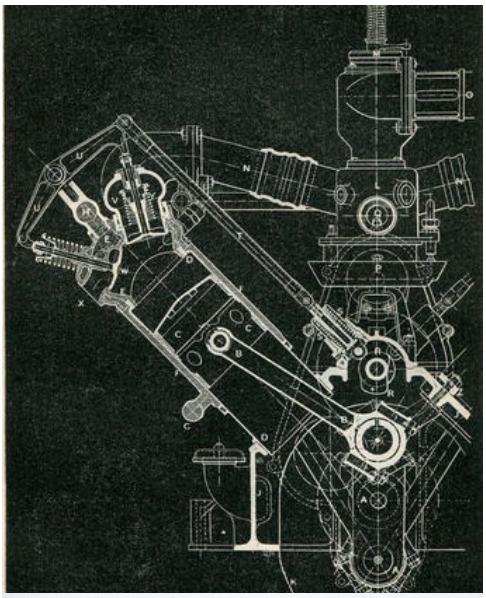

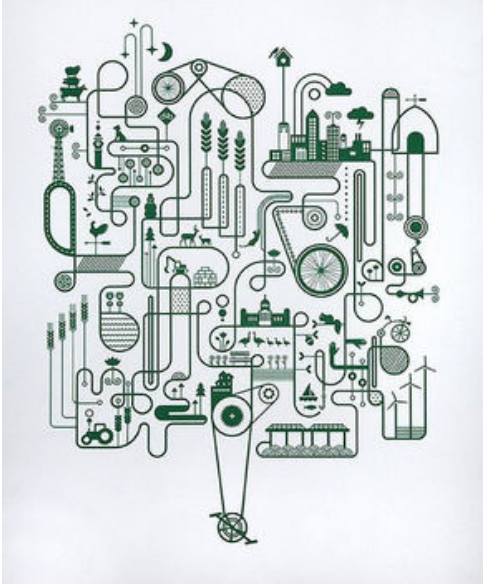

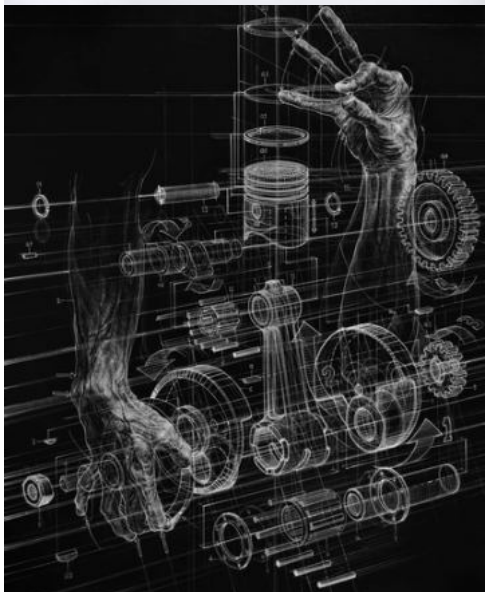

BRIEF DESCRIPTION

To master the basic provisions on gas turbine technologies (assessment of the current state and look into the future), methods of thermodynamic analysis of turbine plants, steam turbines, wind and microturbines. Get basic design and CFD skills; deep knowledge in thermodynamic, mechanical engineering, technologies, legislation, and innovations in Russian Federation and abroad.

Content may include but is not limited to:

- Introduction to Turbomachinery
- Introduction to Thermodynamics
- CFD for Turbomachinery. Introduction
- Heat engine cycle
- Steam turbines
- Guest Speakers Day
- Gas turbines
- CFD for Turbomachinery
- Wind turbines
- Wind turbines. Team project
- Simulation of thermal schemes of TPP for the application in information systems

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

Join ON-CAMPUS

Join ON-LINE

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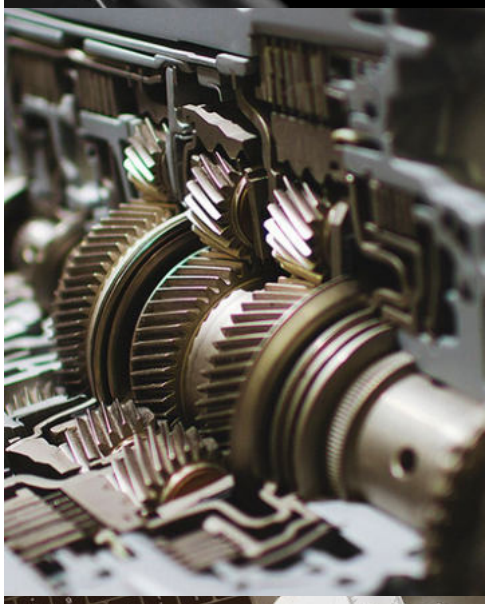

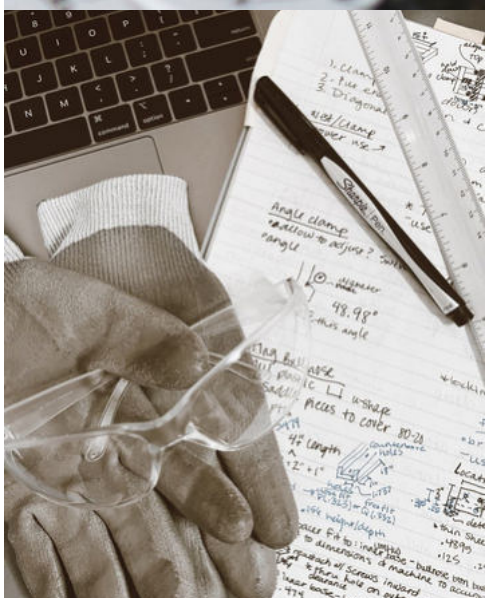

Program dates:
On-line: July 17 - 28, 2023
On-site: July 17 - 28, 2023

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 Mechanical 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!

Join ON-CAMPUS

Join ON-LINE