

ONLINE SUMMER SCHOOL

TURBOMACHINERY

Jul 20 - Aug 01, 2020

**LOOKING FOR A COURSE IN THERMAL POWER PLANTS AND GAS TURBINES?
JOIN THIS ONLINE SUMMER SCHOOL!**

ECTS credits: 4.0

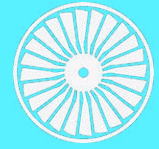




POLYTECH
Peter the Great
St.Petersburg Polytechnic
University



ALAR



BRIEF DESCRIPTION

The School provides the unique opportunity to attend intensive academic program of leading professors from Russia and abroad. The study plan is composed of seminars and lectures in gas / steam/ micro turbines and CFD modelling and also includes practical tasks, technical games and team work. All studies are developed accordingly to the European requirements and can be recognized as a period abroad. Besides studying at the Polytechnic university participants also visit leading energy companies.

Skills and competence to be acquired by students:

- During two or three weeks students get theoretical and practical skills in CFD modelling
- Open lectures on the base of our industrial partner "REPH" / "Siemens"
- Deep knowledge in gas, steam and microturbines.

Costs:

US\$450- includes registration, teaching costs, 4.0 ECTS credits Certificate, 40 hours online russian language course and ALAR's Certificate

[Enroll NOW](#)



POLYTECH
Peter the Great
St. Petersburg Polytechnic
University



Program dates:

Jul 20 - Aug 01, 2020

Registration deadline: July 4th, 2020

Entrance requirements:

Basic knowledge in gas , steam and micro turbines and thermal power plants. Good command of English. 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.

Course and calendar description:

Please find attached curricula and calendar at the end of this document

Professors and lecturers:

SPbPU professors, leading international professors and guest speakers from companies

Program partners



ЛЕНИНГРАДСКАЯ
АЭС



РСП ХОЛДИНГ



ROSATOM



Юго-Западная ТЭЦ



SIEMENS



lenenergo



POWER MACHINES

Enroll NOW



TURBOMACHINERY

TIME	MON JULY 20th	TUE JULY 21st	WED JULY 22nd	THU JULY 23rd	FRI JULY 24th	SAT JULY 25th	SUN JULY 26th
10:00	Gas turbine power plant thermodynamics and technology	Gas turbine aero-engine application.	Micro gas turbine technology and applications	Fundamentals of turbomachinery I: Axial compressors	Fundamentals of turbomachinery II: Axial turbines		
10:15							
10:30							
10:45							
11:00							
11:15	Coffee Break	Coffee Break	Coffee Break	Coffee Break	Coffee Break		
11:30	Gas turbine power plant thermodynamics and technology	Gas turbine aero-engine application.	Micro gas turbine technology and applications	Fundamentals of turbomachinery I: Axial compressors	Fundamentals of turbomachinery II: Axial turbines		
11:45							
12:00							
12:15							
12:30							
12:45							
13:00	Consultation	Consultation	Consultation	Consultation	Consultation		
13:15							
13:30							
13:45							
14:00	Cultural Programme: Lesson 1 *	Cultural Programme: Lesson 2*	Campus Tour	Cultural Programme: Lesson 3*	Cultural Programme: Lesson 4*		Cultural Programme: Lesson 5*
14:15							
14:30							
14:45							
TBA					Live-chat		Live-chat
TBA						White Nights Live	

* - Recommended timing for Cultural Programme **TBA** - To Be Announced



TURBOMACHINERY

TIME	MON JULY 27th	TUE JULY 28th	WED JULY 29th	THU JULY 30th	FRI JULY 31st	SAT AUG 1st	SUN AUG 2nd
10:00	Wind turbines	CFD for Turbomachinery	CFD for Turbomachinery	CFD for Turbomachinery	Simulation of thermal schemes of TPP for the application in information systems		
10:15							
10:30							
10:45							
11:00							
11:15	Coffee Break	Coffee Break	Coffee Break	Coffee Break	Coffee Break		
11:30	Wind turbines	CFD for Turbomachinery	CFD for Turbomachinery	CFD for Turbomachinery	Simulation of thermal schemes of TPP for the application in information systems		
11:45							
12:00							
12:15							
12:30							
12:45							
13:00	Consultation						
13:15							
13:30							
13:45							
14:00	Cultural Programme: Lesson 6*	Sport Day	Cultural Programme: Lesson 7*	Cultural Programme: Lesson 8*	Cultural Programme: Lesson 9*		
14:15							
14:30							
14:45							
TBA			Live-chat		Closing Ceremony		
TBA						White Nights Live	

* - Recommended timing for Cultural Programme **TBA** - To Be Announced