ALAR
Training Center

SUMMER SCHOOL

PRODUCTION AND TESTING OF AIRCRAFT ENGINES

On-campus: 18 Jul - 01 Aug, 2023
On-line: 03 Jul - 17 Jul, 2023

DO YOU WANT TO LEARN HOW TO PRODUCT AND TEST THE AIRCRAFT ENGINES?
JOIN THIS SUMMER SCHOOL

ECTS credits: 4.0 (On-campus), 2.0 (On-line)

SAMARA UNIVERSITY

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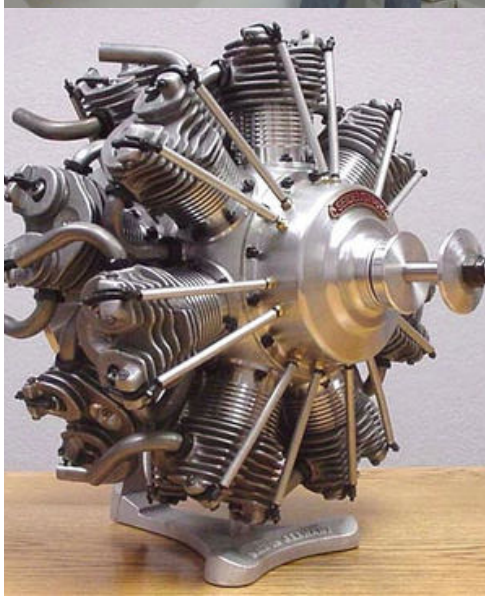

BRIEF DESCRIPTION

• **Turbo-machines**

The process of designing turbo machines for gas turbine engines will be studied theoretically and in practice.

• **Theory of Aircraft Engines**

The principle of operation of gas turbine engines of various types and schemes.

• **Design and Engineering of Aircraft Engines**

Familiarization with the design of aircraft engines. Modernization of aircraft engine components with a design justification for design solutions.

• **Dynamics and Strength of Aircraft Engines**

Calculation of the strength and vibration of engine elements in the ANSYS package.

• **Intensification of Heat Transfer in Engines**

and Their Systems Analysis of the placement of ribs of various shapes, heat transfer, convection. Increasing of the heat transfer coefficient.

• **Aircraft Engine Combustion Chambers**

Features of the organization of the working process of lowemission combustion chambers of gas turbine engines.

And more...

Join ON-CAMPUS

Join ON-LINE

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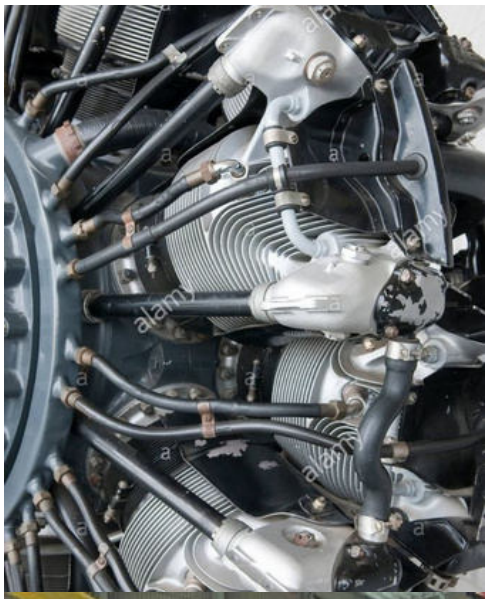

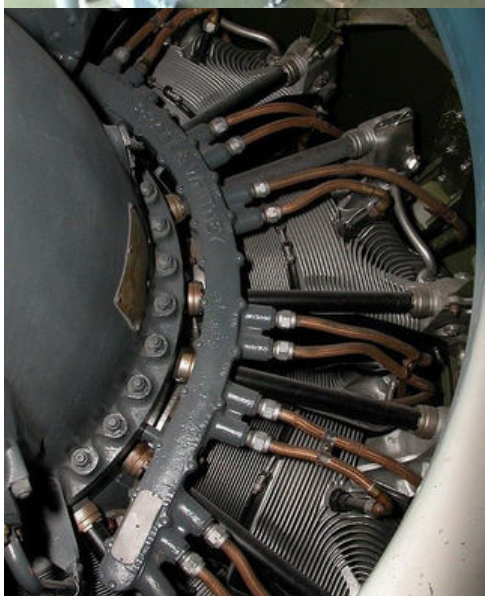

Program dates: Choose one of them
On-campus: 18 Jul - 01 Aug, 2023
On-line: 03 Jul - 17 Jul, 2023

Registration deadline:
On-campus: March 28, 2023
On-line: May 26, 2023

Cost:
US$900 on-campus, US$500 on-line - includes registration, teaching costs, 4.0 ECTS credits Certificate for on-campus or 2.0 for on-line, additional Russian Language virtul course by ALAR Training Center (33h) + Certificate

On-campus	On-line
- Studies - Excursions - Support 24/7 - Certificate - Additional program (visit to Moscow and Saint Petersburg)	- Live studies - Live excursions - Records available for 4 months - Support 24/7 - E-certificate

Join ON-CAMPUS

Join ON-LINE