



ONLINE SUMMER SCHOOL

# SPACE MATERIALS AND TECHNOLOGIES

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AUGUST 10 – AUGUSTS 21, 2020

FROM DESIGN DECISIONS TO THE CHOICE OF  
NEW MATERIALS AND TECHNOLOGIES IN SPACE  
INDUSTRY  
WE INVITE YOU TO LEARN IT HERE!

**ECTS credits: 4.0**





## BRIEF DESCRIPTION

The development of space research is a priority around the world. Humanity has always dreamed of near and long-distance flights into space and to other planets of the solar system.

Technology created for space concentrates everything the most advanced, from design decisions to the choice of new materials and technologies. While designers can find technical solutions with the help of computer modeling, the implementation of these solutions requires the development of new materials and innovative technologies.

The university is one of the top-10 universities in Russia. With advanced experience, Samara University organizes a two-week on-line summer school "Space Materials and Technologies".

One of the most outstanding scientists will lead you online to the insights of laboratories and show you machines and satellites that were created here in Samara University and now are applied all over the world.

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### Costs:

US\$375 - includes registration, teaching costs, 4.0 ECTS credits Certificate, 40 hours online russian language course with ALAR's Certificate

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### **Online FORMAT:**

- Live studies
- Live excursions
- Records available for 4 months
- Support 24/7
- E-certificate

**Registration deadline:** July 10th, 2020

### **Entrance requirements:**

- . Fluent English (all classes and extracurricular activities are carried out in English)

### **Courses:**

- Mystery of space materials
- Methods of materials testing
- Modern foundry
- Special types of sheet stamping
- Additive Technology
- Modern welding processes
- Machining of hardly deformable alloys
- Satellites overview

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