



**ALAR**  
Training Center



SUMMER SCHOOL

# SPACE MATERIALS AND TECHNOLOGIES

On-line: : 21 July -4 August, 2022

On-campus: 5 -19 August, 2022

DO YOU WANT TO LEARN MORE ABOUT SPACE  
TECHNOLOGIES AND HAVE EXCITING HOLIDAYS  
IN THE MOST BEAUTIFUL CITY OF RUSSIA? JOIN  
THIS SUMMER SCHOOL!

ECTS credits: 4.0 (on-campus), 3.0 (on-line)



**SAMARA**  
UNIVERSITY



## 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. With advanced experience, Samara University (is in top -10 universities in Russia) organizes this two -week school . The most outstanding scientists will lead you to the insights of laboratories and show you machines and satellites that were created here in Samara National Research University and now are applied all over the world.

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### Cost:

US\$900 on-campus, US\$500 on-line - includes registration, teaching costs, 4.0 ECTS credits Certificate for on-campus or 3.0 for on-line, additional Russian Language virtul course by ALAR Training Center (33h) + Certificate







### Courses:

- Special methods of sheet stamping
- Materials with shape memory
- Shell parts manufacture of the aircraft skin
- Vacuum ion-plasma and gas-thermal technologies
- Smart manufacturing with incremental sheet forming
- Semi-finished products for aerospace engineering
- Machining of materials
- Space impact on mechanical properties of metals
- Additive manufacturing for innovative design
- Advanced composite materials in airframe constructions

**Program dates:** Choose one of them

**On-line:** : 21 July -4 August, 2022

**On-campus:** 5 -19 August, 2022

**Registration deadline:**

**On-campus:** 12 April, 2022

**On-line:** 1 June, 2022

Join ON-CAMPUS

Join ON-LINE



## FORMAT

On-campus	On-line
<ul style="list-style-type: none"> <li>- Studies</li> <li>- Excursions</li> <li>- Support 24/7</li> <li>- Certificate</li> <li>- Additional program (visit to Moscow and Saint Petersburg)</li> </ul>	<ul style="list-style-type: none"> <li>- Live studies</li> <li>- Live excursions</li> <li>- Records available for 4 months</li> <li>- Support 24/7</li> <li>- E-certificate</li> </ul>



Join ON-CAMPUS

Join ON-LINE