

2014 Open Category

Theme "Robots and Space"

Prelude

The black velvet sky studded with stars fills humankind with awe. From one side, stars are beautiful, unattainable and cold but from other side they saved the lives of brave travelers. Thankful people named stars and constellations, invented devices and tools to observe night luminaries, drew celestial maps and created atlases. From the very old times humans were interested in things related to the stars. Craving for unknown pulled inventors up - into Space. Devices similar to rockets appeared at the first time in the 2nd century B.C. in China. Now everyone can see them on holidays – it is fireworks. Science and technology made a big step to have an ability to design complex vehicles using jet propulsion just in the 19th century. The first man who deduced a formula of rocket velocity was Russian scientist Constantine Tsiolkovsky.

Later, the desire to win Space turned into the Space Race. Hundreds and thousands of people from different countries worked hard to invent and develop rockets, satellites, space stations, robots which are capable to work in outer space and on other planets.

The first satellite - Sputnik, the first cosmonaut – Yuri Gagarin, the first robot on Moon - Lunokhod, the first space station – Mir – this is the list of Russian scientists and engineers achievements.

What will help humankind to subdue Space in the future? When will we be able to live on other planets in our Solar System? How will we reach the stars?

Your Mission

Design and create robots which will assist humankind in solving different tasks in Space.