



**Belarusian State University
of Informatics and Radioelectronics**
R&D Department

Announcement

Exhibition in the frames of the VIII Belarusian Space Congress

October 25 – 27, 2022
Surganova street, 6, Minsk, Belarus
United Institute of Informatics Problems
of the National Academy of Sciences of Belarus

[About the congress](#)

Topics of the congress:

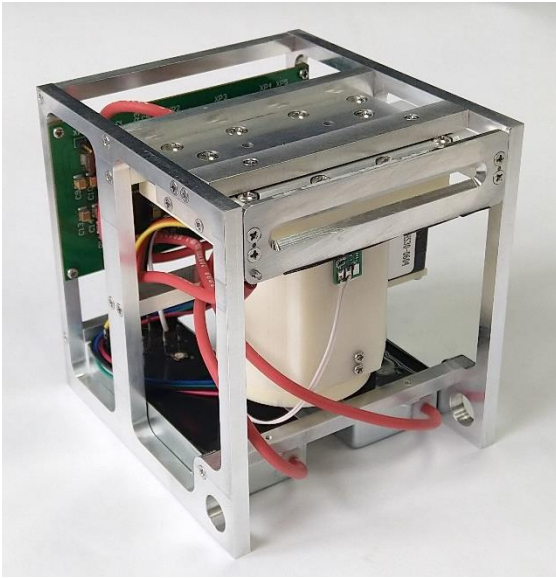
- rocket and space industry innovative programs, projects, and technologies,
- space vehicles, target and scientific equipment. Navigation and time support, as well as satellite communication and broadcasting systems,
- means, technologies, and methods for processing and displaying Earth remote probing data, as well as geo-services based on them. Artificial intelligence in space technologies,
- education and training technologies for the space industry,
- thermophysical aspects of practical astronautics, promising materials, elements, and devices for space technologies.

In the frames of the congress an exhibition of science and technology products for the aerospace industry would be held.

At the exhibition BSUIR will introduce:

[Electrostatic jet micromotor](#)

The motor is designed for moving, maneuvering, and maintaining the altitude of low Earth orbit of small spacecrafts of the CubeSat format with dimensions of 3-9U.



Advantages:

- the use of the microelectromechanical system technology for the manufacture of the micromotor emitter (the most important part of it, that is responsible for the formation of thrust) allows to simplify the design and manufacturing method;
- the use of ionic liquid as a fuel allows to reduce the operating temperature of the device in comparison with the analogues operating on liquid metals, and to reduce the power consumption of the engine thermal stabilization system.

About the developer