



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

Announcement **BSUIR invites you to the Science Festival**

September 5–6, 2026
11:00–19:00
Central Botanical Garden
2V Surganova St., Minsk



ФЕСТИВАЛЬ НАУКИ

A large-scale popular science event that introduces visitors to the latest developments by scientists, new technologies and scientific achievements. The festival programme includes themed venues, exhibitions, popular science lectures and interactive activities for visitors of all ages. For more information, visit: <https://scifest.by/>



The festival programme includes themed venues, popular science lectures, exhibitions, interactive scientific experiments and master classes for visitors of all ages and interests.

Also during the festival an **exhibition-competition “100 Innovations of Young Scientists”** will take place, where the latest developments by young scientists will be presented and the competition committee will determine the most promising of them.

BELARUSIAN STATE UNIVERSITY OF INFORMATICS AND RADIOELECTRONICS WILL TAKE PART IN TWO EXPOSITIONS:

“University of the Future”

“100 Innovations of Young Scientists”



Photo archive of BSUIR's participation in the 2025 Science Festival.

100 INNOVATIONS OF YOUNG SCIENTISTS

Copper-containing thermal paste with dielectric microparticles

It is used as a thermal interface material for high-power electronic components, including processors, graphics cards, power transistors, LED matrices and inverters.

Advantages:

- high thermal conductivity (copper powder microparticles ensure efficient heat transfer through the paste layer);
- electrical safety (the protective oxide coating prevents electrical short circuits and oxidation of the microparticles during operation);
- stable properties;
- a wide operating temperature range;
- convenient consistency for manual and automated application.

[More information about the developer](#)

Anti-Stokes infrared radiation target

It can be used:

- for visualisation of infrared laser radiation in monitoring and security systems;
- in coating technologies with anti-Stokes luminescence effects;
- in technologies for producing solar cells and photodetectors with enhanced spectral sensitivity in the infrared range.

Advantages:

- improved luminescence properties due to the absence of polymer and other organic binders in the target matrix;
- environmental safety due to the use of a non-toxic matrix material.

[More information about the developer](#)

UNIVERSITY OF THE FUTURE

Developments by students of the university and students of the BSUIR branch “Minsk Radioengineering College”:

A Braille text reader

Designed for teaching people with visual impairments to read Braille.

ONYX robot

An autonomous mobile robotic platform designed for navigation and environmental monitoring. The robot is equipped with geared motors, a motion control system, sensors, a single-board computer and a microcontroller.

A laboratory training stand for studying digital video surveillance systems

Used to train college students to configure video cameras, organise video archiving, control recording modes and use video analytics functions.

An SMD component counter

Designed for automatic counting of electronic components.

The counter makes it possible to quickly determine the number of components on a reel without manual counting, monitor the number of components used in production, and check the quantity of components when receiving deliveries and issuing materials from the warehouse.

A security system based on the ESP8266 microcontroller with a mobile application

An affordable alternative to commercial security systems.

The system is controlled via Wi-Fi. The MQTT protocol is used for data transmission. The presence of an object is detected using an infrared obstacle detection sensor.

Other events involving BSUIR will also take place as part of the Science Festival:

Interactive Shooting Range game simulator and quizzes with prizes:

“Application of AI in Education and Everyday Life” and “Fundamentals of Healthy Eating”

September 5, from 11:00 to 19:00, at the “University of the Future” venue.

Lecture: “Hydrogen Economy: Why Can Cars Explode from the Inside?”

September 6 at 16:00 at the “Intelligent Technologies” venue.

The lecture will be delivered by Iya Tashlykova-Bushkevich, Associate Professor at BSUIR.

We invite you to visit the Science Festival and participate in interesting activities organised by BSUIR!