



**Belarusian State University
of Informatics and Radioelectronics**

R&D Department

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Announcement

International Military-Technical Forum "Army-2021"

August 22 – 28, 2021

Kubinka, Russian Federation (Patriot Expo)

[About Forum](#)

A unique platform to demonstrate the best achievements of scientific and engineering thought, embodied in modern and promising models of smart weapons, military equipment and technologies, in construction and logistics projects, as well as for enterprises ready to cooperate on various levels in the interests of military and industrial complex.

Key areas:

- Aviation cluster.
- Navy cluster.
- Diversification.
- Military medicine.
- Military construction.

As part of the forum, BSUIR will showcase the following high-tech developments.

Control microwave instrumentation and equipment in the frequency range from 0.01 to 220 GHz, used for maintenance and repair of jamming stations, replacement of the outdated physical infrastructure of enterprises of the defense and telecommunications industries. The equipment is included in the registers of measuring instruments of the Republic of Belarus and the Russian Federation.

[More about the equipment](#)

Radar, communications and navigation equipment.

- **Radio altimeters** for ensuring accurate takeoff and landing of large-sized unmanned aerial vehicles, measuring the flight altitude of high-speed objects in real time. Among the main advantages: millimeter wavelength range, high speed of information update, all-weather resistance, minimal dimensions and weight.
- **Short-range radar** for detecting and measuring the coordinates of air and ground targets, solving problems of air and ground space protection, air traffic control as part of ground mobile points, including for ensuring the landing of large-sized unmanned aerial vehicles. Among the key advantages: identification of targets with a small effective scattering surface, automatic sector maintenance mode in elevation from 0 to 30 degrees, small dimensions and weight.
- **Telemetry equipment** for receiving on-board telemetry information from on-board devices and sensors located on the aircraft, transmitting it in real time to a ground-based receiving point, receiving and recording information at a ground-based receiving point, displaying the information received on a monitor.
- **Automatic multifunctional radar test system in laboratory conditions**, verification and development of detection and tracking algorithms.

Developer:

[MWMLab](#) – Scientific, production and training center of microwave technologies and their metrological assurance.

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