

Announcement of BSUIR participation 12th International Exhibition of Arms and Military Machinery MILEX-2025

May 21 – 24, 2025

The Republic of Belarus, Minsk,
24, Pavliny Medelki,
Minsk International Exhibition Center (MIEC)

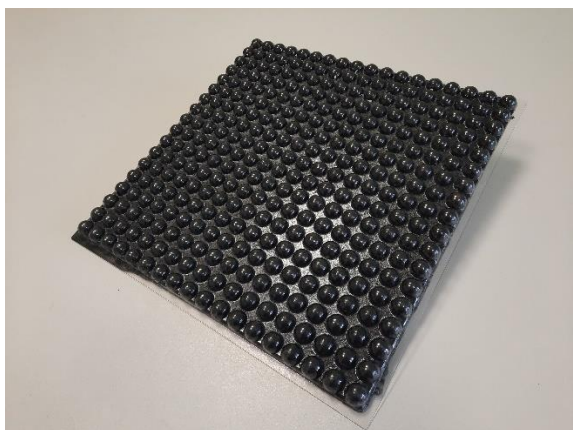
International Exhibition of Arms and Military Machinery "MILEX" is the largest thematic exhibition in the Republic of Belarus and one of the largest in the Eastern European region. It has been held biennially since 2001.

The purpose of the event is to widely present products of the Belarusian defence industry, to introduce new developments in the field of high technologies, to demonstrate the capabilities of enterprises engaged in modernisation, repair of military equipment and providing services to the Armed Forces.

The exhibition is organised by the State Authority for Military Industry, the Ministry of Defence of the Republic of Belarus, and the Republican Unitary Enterprise "BelExpo".

At the exhibition BSUIR will present:

Carbon-containing absorbers of microwave electromagnetic radiation for anechoic chamber shielding



Such absorbers are designed for the shielding of rooms where testing of microwave systems and devices is carried out. They were used for the creation of an anechoic chamber in BSUIR.

Differences from analogues:

- radio-transparent forms are included in the structure of absorbers, due to which these absorbers are characterised by higher durability;
- reduced weight per unit area.

Unmanned aerial vehicle (UAV) operator training facility

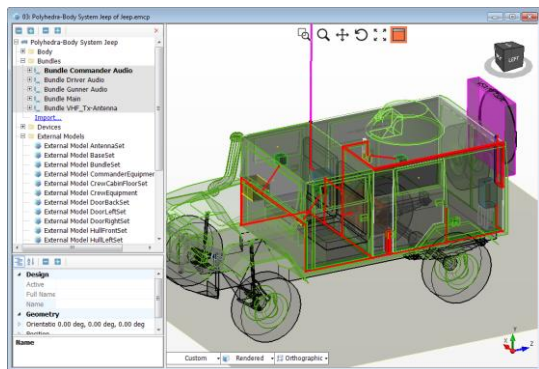


A simulator classroom on the operation and use of multirotor drones was opened at the BSUIR Military Faculty.

It is designed to study the main stages, methods of planning, preparation and execution of UAV flights, practice flight manoeuvres, including accident prevention manoeuvres.

Advantages: bladeless operation; effective training; time and resource savings; advanced capabilities; skills assessment and improvement.

Technologies and software and hardware complexes for ensuring electromagnetic compatibility of radioelectronic facilities



They are intended for analysis and provision of EMC in local on-board and ground radio-electronic groups, generation of specifications of on-board and ground radio-electronic complexes with regard to EMC requirements, modelling of radio reception in a complex electromagnetic environment.

BSUIR has developed a number of software and hardware complexes: EMC-Analyzer, «E3-Analyzer», ADFTS, DNA-EMC, GIS-RF, VTA EMC.

Special features: these technologies and software and hardware complexes have no analogues. In the interests of domestic and foreign customers more than 200 projects in this field, as well as in regional frequency planning and system design of cellular networks, departmental and corporate radio communication systems, TV and radio broadcasting, radiolocation, radio navigation, etc. have been carried out.

Also, within the framework of the International Exhibition of Arms and Military Machinery 'MILEX' the **11th International Scientific Conference on the development of arms, military and special equipment and dual-use technologies** will be held.

We invite you to visit on May 22, 2025 the section **"Measuring and testing instruments and equipment, electronic component base"**, where the engineers of "Research, industrial and training innovation center of microwave technologies and metrology support" **Doronina A.V. and Koleda V.V.** will present two reports on the following topics:

- "Measuring multichannel receiver in the frequency range from 1 to 20 GHz".
 - "Multifunctional source of measuring radar signals in the frequency range from 1 to 20 GHz".
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