



**Belarusian State University
of Informatics and Radioelectronics**

R&D Department

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Announcement

VIII International Forum for Technological Development "Technoprom-2021"

August 25 – 27

Novosibirsk, Russian Federation

Online participation

About

The program of the International Forum for Technological Development Technoprom-2021 includes more than 90 events, which are divided into eight topics:

- "Green Technologies" for Industry and Quality of Life "
- "Breakthrough Technologies and Megascience"
- "Digital Technologies"
- "Program for Scientific and Technological Development. National Technology Initiative "
- "Venture Investments and Technology Transfer"
- "Cooperation of Science and Industry. World-Class Scientific and Educational Centers"
- "Education"
- "The Value and Cost of Science"

BSUIR developments

EMS is a technique for analyzing electromagnetic ecology and electromagnetic safety of the population in light of the massive use of cellular communications

This technique allows you to assess the electromagnetic ecology of densely populated areas in light of the massive use of radioelectronics of various services; electromagnetic safety of the population with the massive use of cellular communications in the presence of an electromagnetic background generated by the electromagnetic radiation of radio transmitters for various purposes, which is extremely important in the context of the intensive development of wireless services, technologies, systems and networks of 4G / 5G mobile communications.

Microwave control instrumentation and equipment

Designed for maintenance and repair of jamming stations and replacement of the outdated infrastructure of enterprises of the defense and telecommunications industry of the Republic of Belarus.

Manufacturing technology of energy-saving flat aluminum heating elements

The technology allows the production of elements with any surface shape, which is especially important in the automotive industry, in the manufacture of printing plates, as well as in the military industry.

The use of a carbon filament ensures high stability of the electrical characteristics of the heater and its reliability under constant heating-cooling cycles during operation.

Technology of obtaining optical composite coatings for solar collectors

The technology makes it possible to obtain highly efficient two-component composite highly selective coatings in the composition of anodic aluminum oxide / carbon. The coatings are uniformly colored and wear resistant.

Technology of building unmanned off-road vehicles

The technology allows you to upgrade the chassis of a mobile robotic platform, which is used for agriculture, emergency response, reconnaissance, etc.