

Tomsk State University of Control Systems and Radioelectronics

Webpage: www.tusur.ru/en

Domains and curriculums, for which contacts and cooperations are to be developed:

1. **Nanotechnology:** ultra-high frequency nanoelectronics; optoelectronics and nanophotonics; plasma emission electronics (nanomaterials and coatings).
2. **Radiotechnical and telecommunication systems:** radiolocation systems; dissemination of waves in the radio frequency and acoustic range; communication and radiometric systems, pulse and radio frequency measurements.
3. **Intelligent power electronics:** control systems and ground testing of space equipment; system of high-frequency electric energy transformation; energy-saving systems of electric energy transportation, distribution and consumption.
4. **Intelligent information systems and control systems, information security:** creation of intelligent control systems; automated systems of information processing and control.
5. **Innovations:** innovative management of the process of science-intensive product creation; universities as centers of Russian innovative economy development.

Courses taught in English:

1. Master program "Home Automation" (Information and Communication Technologies and Systems)
2. Exchange semester "Microwave electronics"
3. Summer schools :
 - a) Microwave electronics;
 - b) ICT Innovation Management;
 - c) Russian language

Strengths of the institution

TUSUR is one of the leading engineering universities in Russia, located in the intellectual heart of Russia and Siberia – the city of Tomsk. It is a young university, ambitiously striving for leadership and global presence in education and research. 11 thousand students study at 13 faculties. TUSUR University ranks third among Russian universities by percentage of international students enrolled in its degree programs. Relatively small size allows the university to be mobile and quickly adjust to changes becoming stronger and more efficient.

TUSUR was also the first Russian university to start implementing a complex development model that focuses on entrepreneurship in addition to two traditional university missions, i.e. education and research. In the course of the last decade TUSUR has created a network of innovative companies founded by its alumni. Today this network comprises more than 150 companies.

TUSUR was one of the first Russian universities to transform the educational process, introducing project-based learning and enhancing research and innovative components of academic work. In 2004 a student business incubator was established at TUSUR, which gave rise to 15 hi-tech start-ups created by university students.

TUSUR constantly expands its global presence by implementing projects of international «technology and knowledge transfer bridges». Today there are several such «bridges», namely California-Tomsk, Toronto-Tomsk, Nuremberg-Tomsk. They offer new opportunities to enter foreign markets with end products of Tomsk enterprises, commercialize R&D products of TUSUR researchers and attract foreign investment.

Academic relationships

The University collaborates with more than 50 universities and organizations from 20 countries. There are double degree programs together with the universities of the USA, France, Japan and Kazakhstan and a large number of mobility programs.

Person representing the institution at the forum:

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