



LEARNING AND STUDENTS

Conference on Safety

Safety is a fundamental aspect of human existence, influencing the well-being and sustainable development of society in all areas of life. The II Regional Scientific and Practical [Conference](#) on 'Safety of an individual, society, state: legal problems and prospects' was held at the university on the initiative of the INRTU Department of Law Theory, Constitutional and Administrative Law. Approximately 60 master's and postgraduate students from universities of Irkutsk, Novosibirsk and Omsk participated in the conference.



Leaders of the Conference

XXVIII All-Russian Student Scientific and Practical [Conference on Technosphere Safety](#) in 2023 was held in INRTU. The participants discussed current issues on labor protection, education in the area of technosphere safety, risks of sustainable development, ways to prevent emergencies, and environmental protection technologies. The leaders of the conference and best speakers received certificates and diplomas..



Study programs

Sustainable undergraduate and graduate study programs on Technosphere Safety; [People Saving, Occupational, Environmental and Emergency Risk Management](#); and [Logistics Management and Traffic Safety](#) are available for INRTU students.



79 graduates in 2023

RESEARCH

Corneal Crosslinking Automation Device

The INRTU student is creating a [device to automate crosslinking](#) - corneal surgery for keratoconus patients. The device will help optimize the surgeon's work, freeing him from the need to manually deliver ophthalmic solution to the eye surface. The prototype is already being tested by the project's customer, an ophthalmic surgeon at the Irkutsk branch of S.N. Fedorov NMRC "MNTK "Eye Microsurgery".



LED Emitters for Cancer Therapy

Portable [LED emitters for cancer therapy](#) are created by INRTU research team under supervision of INRTU Associate Professor of the Department of Radio electronics and Telecommunication Systems. The Irkutsk Cancer Dispensary reports that an average of 15 patients attend low-intensity laser photodynamic therapy each month. Consequently, there are 2,205 individuals in Russia who require this procedure during the same time. However, there are some disadvantages. Due to the high intensity of radiation, patients experience hypoxia of cancerous tissue and the risk of thermal burns increases. The large size of the equipment currently prevents providing medical care in outpatient settings, which is a significant issue for small communities citizens. The research team proposes to replace laser devices with LEDs.

8 publications on SDG 3 in Scopus in 2023

PUBLIC ENGAGEMENT

Open Aikido Training Session

In June 2023 an [open aikido training session](#) was held at the INRTU stadium. INRTU Vice-Rector for Research, the President of the Irkutsk Ki Aikido Club and Ki aikido instructors trained people including the INRTU students, staff, and top management as well as representatives of Irkutsk State Transport University, the Regional College of Pedagogical Education and Irkutsk Technical College of Architecture and Construction. The event started with a traditional warm-up - aiki taiso, then resource practices, dynamic tests, paired and group exercises were performed.



Donor Day at INRTU

In March 2023, 35 people joined the [Donor Day](#) event at INRTU.

The event was organized by the Irkutsk Regional Blood Transfusion Station and the University's Youth Policy Department at the PharmSynthex co-working space.

The project is designed to attract young people to blood donation and popularize a healthy lifestyle. Blood was donated by 35 people, including 23 primary donors.



Health Fair

INRTU holds a Health Fair every 6 months - in [autumn](#) and [spring](#). This is the time when cold and flu prevention is especially necessary.

At the event, everyone was able to measure their height, weight and blood pressure, mental health testing, eye test. Students and employees received consultations from specialists of the Eye Microsurgery, the Irkutsk Regional AIDS Centre, the Centre for Diagnostics and Prevention of Tick-borne Infections, the Scientific Centre for Family Health and Human Reproduction, the psychological service of INRTU, and Polyclinic No. 11.



World AIDS Day

40 people took part in the action dedicated to [World AIDS Day](#) at INRTU in December, 2023.

The event was organized by the INRTU Youth Policy Department and the Irkutsk Regional AIDS Centre.

It was easy and quick for everyone to take an anonymous express test, the result was ready in 15 minutes.

Students have a unique opportunity to take a free HIV test at least four times a year in the campus.

The INRTU Youth Policy department regularly organizes lectures for students and meetings with representatives of the Irkutsk Regional AIDS Centre.

