



Joint Training Center operates with organizational and financial support of the international project INFROM: "Integrated Intelligent Platform for Monitoring the Cross-Border Natural-Technological Systems".

The Center is included in the International Research and Education Institution Network created within INFROM project. The persons trained by the Centre include the employees of Riga Technical University (Latvia), representatives of Madona, Gulbene and Aluksne (Latvia) regions.

The training of specialists in this sphere provides the sustainability and long-term use of the INFROM project results in Latvia and Russia.

"Integrated Intelligent Platform for Monitoring the Cross-Border Natural-Technological Systems"

"Estonia – Latvia – Russia Cross Border Cooperation Programme within the European Neighbourhood and Partnership Instrument 2007-2013"

PROJECT PARTICIPANTS



St. Petersburg Institute for Informatics and Automation of the RAS



Riga Technical University

ASSOCIATED PROJECT PARTNERS



Government of St. Petersburg
Committee on IT and Communications



Latvian Transport Development and Education Association



Diplomatic Economic Club

Integrated Intelligent Platform for Monitoring the Cross-Border Natural-Technological Systems



Joint training center

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This document has been produced with the financial assistance of the Estonia – Latvia – Russia Cross Border Cooperation Programme within European Neighbourhood and Partnership Instrument 2007 – 2013. The contents of this document are the sole responsibility of RTU and SPIIRAS and can under no circumstances be regarded as reflecting the position of the Programme, Programme participating countries, alongside with the European Union.



Joint Training Center

Saint Petersburg institute for informatics and automation of Russian Academy of Sciences
Saint Petersburg State University of aerospace Instrumentation
R&D Center ScanEx

Joint Training Center for Earth remote sensing data processing

has been created with direct support and participation of the Russian Federal Space Agency, Government of Saint Petersburg, large commercial companies. The Center is located in the Saint Petersburg institute for informatics and automation of Russian Academy of Sciences (SPIIRAS) and Saint Petersburg State University of aerospace Instrumentation (SUAI). Classes are also held at Riga Technical University.

The teaching staff of the Center includes: Meritotious scientists of Russia, Russian Government and Government of Saint Petersburg prize winners in the sphere of science, technology and education, doctors of engineering, professors, assistant professors of SUAI and SPIIRAS.

The contribution to the solution of the educational tasks is made by the basic departments of SPIIRAS and Concern «Granit-Electron», which are an integral part of the Joint Training Center.

Training classes are equipped with the required hardware, software, including the software products from "ScanEx" Company (Russia), and are connected to the access system of spacial data from the space vehicles of the Earth remote sensing. The lectures are additionally provided with the aerospace images.

The developed training and methodological materials, signed license agreements and staff of the high-qualification teachers, who have passed the training at the programmes of the Center, allow to implement the claimed educational programmes at the high level.

The training in the programmes of the additional professional education is based on the modular principle - the list of the topics studied and the volume of the classes is adapted to the requirements of the students. The Center certificates or the established documents on the additional or advanced training are issued on completion of the training.

Besides the training of the professional specialists the Centre also performs the educational training activities for the teachers to obtain the skills of implementation of the school-based projects using the satellite imagery.



The center provides the following educational services:

1. Training of the specialists based on the programmes of the additional education and advanced training programmes in the sphere of the perspective technologies of the aerospace monitoring and applying of the results of the space activities, including:
 - ▶ Programme of advanced training of the engineering personnel "Technologies of processing and application of the Earth Remote Sensing data";
 - ▶ "Foundations of the technology of processing and application of the Earth Remote Sensing data within the monitoring of the natural and technological objects";
 - ▶ "Foundations of the technology of processing and application of the Earth Remote Sensing data, space communication and satellite navigation in the applied tasks of governance";and other programmes on user's request.
2. Training for higher education programmes (bachelors and masters) within the direction:
 - ▶ Applied mathematics and informatics;
 - ▶ Informatics and computer facilities;
 - ▶ Software engineering.
3. Training of the highest qualification staff (post-graduate and doctoral candidacy).