VILNIUS GEDIMINAS
TECHNICAL UNIVERSITY

Dear colleagues and friends,

I am pleased to welcome you to Vilnius Gediminas Technical University – one of the largest Lithuanian higher education institutions, the leader in technology sciences. We hold expertise, innovation and leadership in our DNA already for 60 years – since the University has opened its door to the first students and professors. We can hardly imagine the technological and economic development of the region, the creation of modern Lithuania without their great contribution.

Today we look forward to the future having a clear mission – nurturing socially responsible, creative individuals open for science and new technologies. VGTU community member is more than just an expert in a narrow field, together we are creators of sustainable future. Creators of the future who tune the latest scientific discoveries with respect for environment, where technologies are serving the progress of our community, the country and the region.

Meet the experts and creators of sustainable future each time you open the doors to our University.

Alfonsas Daniūnas
Rector of Vilnius Gediminas Technical University

WHO WE ARE: Numbers and Facts

University Mission:
Nurturing socially responsible, creative, competitive individuals open for science and new technologies as well as cultural values, promoting the scientific progress, social and economic welfare, creating value for the global development of Lithuania and the region.

University Vision:
Prestigious higher education institution in Lithuania, having the science and education standards corresponding to the best technical universities in Europe, being attractive for Lithuanian and foreign researchers and students, able to respond to the environmental challenges and being of great social importance to the country's progress.

The leader in technology sciences in Lithuania

Over 100 study programmes

10 500 students

10 Faculties

Over 75 000 alumni

ISO 9001: 2008 quality management system implemented

14 research institutes, 3 research centres, 33 laboratories

Over 400 social partners in Lithuania

Over 500 partner universities globally

Study areas:

- **Technological Sciences**
- **Physical Sciences**
- **Social Sciences**
- **Humanities**
- **Arts**

International Recognition:

- VGTU is among the 50 best universities in the region and is a leading technical university in Lithuania according to the "QS University Rankings: Emerging Europe and Central Asia".
- VGTU is the best Baltic university in Architecture (QS Top 51–100) and in Civil Engineering and Building Construction (QS Top 101–150) according to the "QS World University Rankings by Subject".
- VGTU is the only Lithuanian university (out of 14) ranked among top 8% of all institutions in the global "U-Multirank" university ranking, having received the highest scores for 10 indicators.

STUDIES AT VGTU: KNOWLEDGE FOR PROGRESS

Focus on the future technologies and interdisciplinary expertise creates unique ecosystem of innovation within the University, engaging the students. During the study process theory is constantly combined with practical seminars in labs. The theoretical and practical knowledge is applied in the final theses, which are focused on exploring and solving real world problems. Most students demonstrate excellent knowledge, and most important – innovative thinking.

Vytenis Krūminis

Dalius Kazakevičius

The remotely controlled robotic arm developed by VGTU Faculty of Electronics alumni Vytenis Krūminis and Dalius Kazakevičius, is able to replace humans in dangerous work or automated production. It is important to note also that the unique optic sensors created by the students are more than 10 times cheaper than the usual resistive sensors.

STUDIES AT VGTU: Numbers and Facts

10 500 students

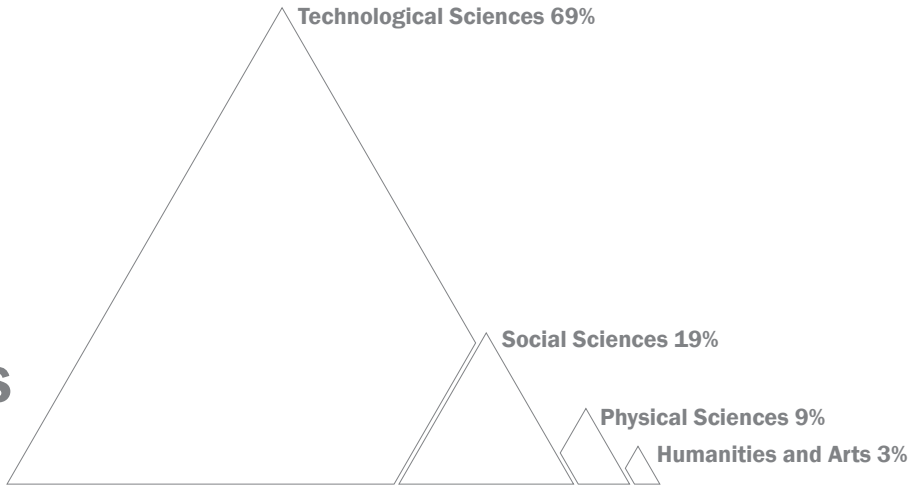
STUDENT PROPORTION BY STUDY AREAS

- **58,9 %** Technological Sciences
- **30,8 %** Social Sciences
- **5,7 %** Physical Sciences
- **4,6 %** Humanities and Arts

STUDENT PROPORTION BY STUDY CYCLES

- **80,8 %** Undergraduate (Bachelor) students
- **16 %** Graduate (Master) students
- **1,4 %** Students of integrated studies
- **1,8 %** Post-graduate (Doctoral) students

Over 100 study programmes



STUDY CYCLES:

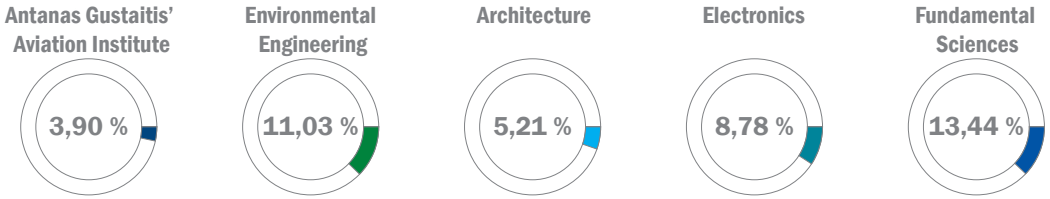
- Undergraduate (Bachelor) studies
- Graduate (Master) studies
- Integrated studies
- Post-graduate (Doctoral) studies

STUDIES:

- Full-time
- Part-time (distance)

VGTU has a long standing tradition of interdisciplinary studies. Half of the study programmes are interdisciplinary.

STUDENT PROPORTION BY FACULTIES



Edita Verbickaitė

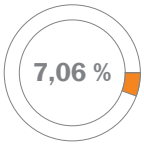
VGTU Faculty of Mechanics student Edita Verbickaitė created a technology in her final thesis having no analogues in Lithuania, enabling the orthotics and splints to be printed with a 3D printer. This technology shortens production time, reduces costs. The products can be better and faster adapted to the patients' needs.

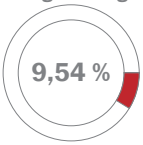
Another VGTU student Dariušas Laketčenko from Computer Engineering Department at the Faculty of Electronics is using modern technologies for the integration of the deaf into the society. His proposed solution – smart gesture recognition glove converting the gestures into words and sounds and transmitting it to the smartphone. This way a very specific knowledge demanding sign language is converted into widely understandable form.

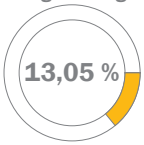
These projects are just a few examples of student work, reflecting the University aim to educate the experts who are creating sustainable living environment and technological innovations, necessary for the sustainable growth of community and the region.

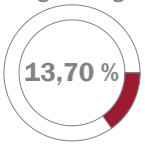
Creative analytical thinking is promoted by using modern teaching methods and by integrating social partners to the study process, who are delivering lectures and seminars and suggesting practical problems for the final theses, as well as inviting students for internships. The modern infrastructure of the university is stimulating innovation: library, laboratories, research centres. The recently opened "LinkMenų Fabrikas" is already wide known as a modern experimentation and innovation space, providing students with all the tools for practical learning, developing and implementing their ideas using up to date modern equipment.

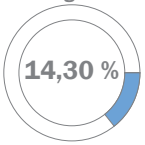
The habit to exploit ones knowledge and expertise wisely for the constant progress is acquired in the University and it stays for life. It is integrated into the new products and services developed by our alumni, technological innovations and many other determinants having a positive effect on the development of community, the country and the region.











Study programmes

TECHNOLOGICAL SCIENCES

Technological sciences are certainly leading at VGTU – 58 per cent of all study programmes are in technological sciences. VGTU has a very strong and highly regarded tradition of engineering studies. Future experts who are able to suggest solutions in fighting with air pollution, modernising buildings, planning transport systems and contributing to the sustainable development of modern society are educated here at VGTU.

Aerospace Engineering

Aviation Mechanics Engineering (B, M)
Avionics (B)
Aircraft Piloting (I)
Air Traffic Control (I)

General Engineering

Environmental Protection Engineering (B)
Environmental Protection Technology and Management (M)
Environmental Engineering (M)
Biomechanics (B, M)
Fire Protection (B)
Geodesy (B)
Geodesy and Cartography (M)
Innovative Solutions in Geomatics (JSP)
Event Engineering (B)
Safety Engineering (M)
Security Systems Engineering (B)

Biotechnology

Bioengineering (B, M)
Nanobiotechnology (M)

Electronic and Electrical Engineering

Automation (B, M)
Internet of Things Engineering (B)
Electronics Engineering (B, M)
Electrical Energetics Systems Engineering (M)
Computer Engineering (B, M)
Multimedia Engineering (B)
Telecommunications Engineering (B, M)

Energy Engineering

Energy Engineering and Planning (M)
Building Energetics (B)
Thermal Engineering (M)

Production and Manufacturing Engineering

Production Engineering and Management (B)
Mechatronics (JSP)
Mechatronics and Robotics (B)
Mechatronics Systems (M)
Materials and Welding Engineering (M)
Industrial Product Design (B)
Industrial Engineering (M)
Industrial Engineering and Innovation Management (M)
Printing Engineering (B, M)

Informatics Engineering

Information and Information Technologies Security (M)
Information Electronics Systems (M)
Information Technologies (M)
Information Systems Engineering (B)
Information Systems Software Engineering (M)
Multimedia Design (B)
Information Technologies of Distance Education (M)

Mechanical Engineering

Mechanical Engineering (B, M)

Transport Engineering

Transport traffic safety engineering (B)
Transport Engineering (B, M)

Civil Engineering

Architectural Engineering (B, M)
Civil Engineering (M)
Geotechnics (M)
Innovative Road and Bridge Engineering (JSP)
Roads Traffic Safety Engineering (M)
Roads and Railways Engineering (B)
Urban Engineering (B)
Urban Planning and Engineering (M)
Structural Engineering (M)
Civil Engineering (B, M)
Building Information Modelling (M)
Water Management Engineering (M)

Building Technology

Construction Materials and Products (M)
Construction Technologies and Management (B, M)

Technologies

Solar Cell and Modules Engineering (M)

Physical Sciences

Applied Statistics and Econometrics (B)

SOCIAL SCIENCES

Social sciences are closely related to technical sciences at VGTU, in order to enable future business leaders to comprehend the industrial technologies, and enrich the engineering minds with the laws of management. Young professionals with universal competences and interdisciplinary knowledge are especially demanded in the labour market.

Economics

Economics Engineering (B, M)

Finance

Finance Engineering (B, M)

Communication

Creative Industries (B)
Creative Communication (M)
Entertainment Industries (B)

Management Studies

Sustainable Real Estate Management (JSP)
Engineering Economics and Management (M)
Office Management (B)
Real Estate Management (B, JSP)
Real Estate Management (M)
Sustainable Development of the Built Environment (JSP)

Business Studies

Transport Engineering Economics and Management (B, M)
Business Analytics (B)
Business Logistics (B)
Business Management (B, M)

HUMANITIES AND ARTS

Art and humanities play a significant role among other sciences at VGTU. VGTU Architecture studies are especially significant on national and regional levels, having formed the strongest and brightest architecture traditions in Lithuanian history. Alumni of these study programmes are recognised as the elite of Lithuanian architecture. Most of their works have gained immense international recognition.

History and Theory of Arts

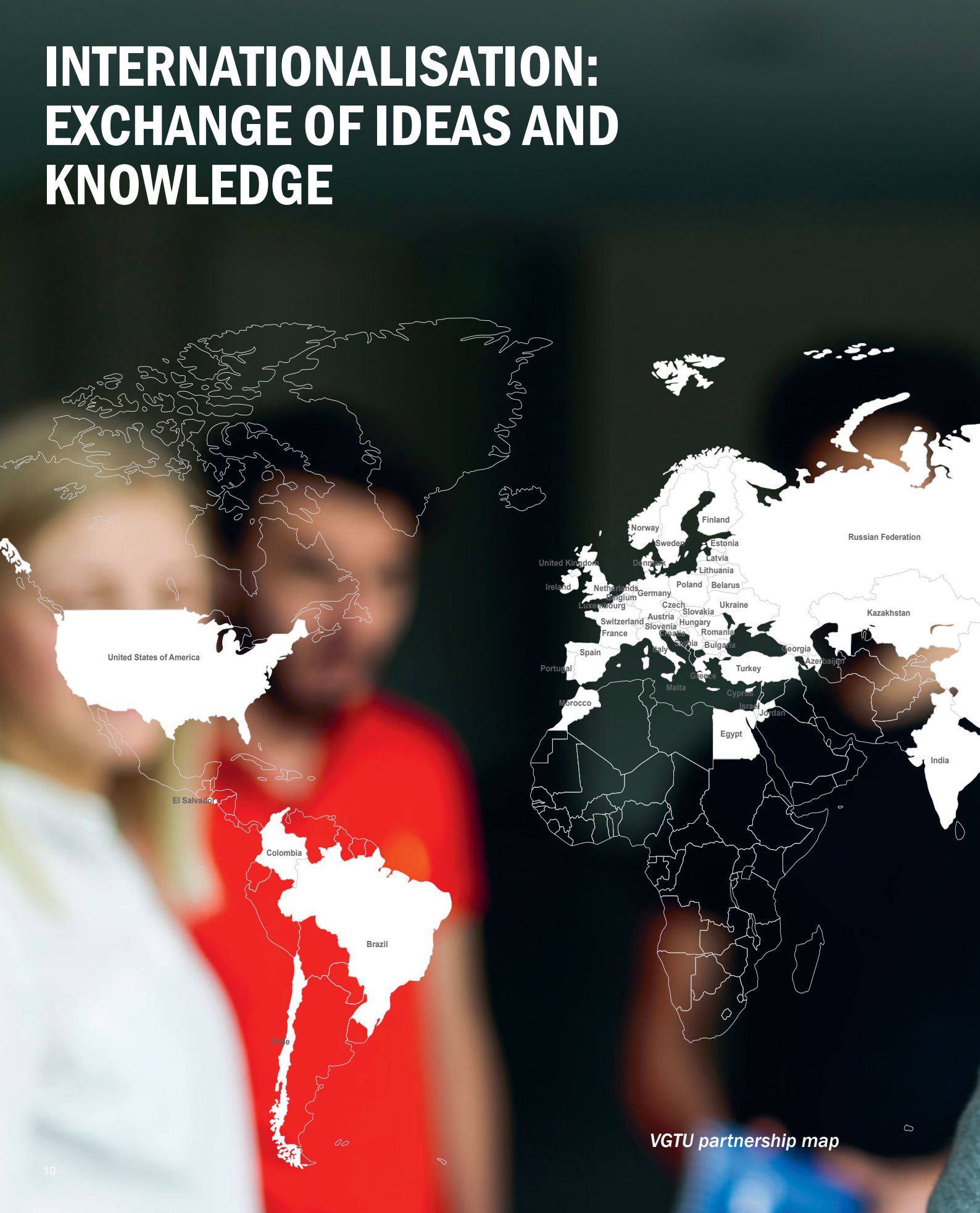
History and Theory of Architecture (M)

Architecture

Architecture (B, M)

Legend: Bachelor studies – B, Master studies – M, Joint master study programme – J, Integrated studies – I.

INTERNATIONALISATION: EXCHANGE OF IDEAS AND KNOWLEDGE



VGTU partnership map

Studies and research have long moved beyond the borders of universities and countries. Research projects, mobility and partnership programmes have united the universities, scientists and students into a global network, in which VGTU is an active actor.

Julius Meškauskas (Antanas Gustaitis' Aviation Institute)

INTERNATIONALISATION AT VGTU: Numbers and Facts

Partnerships

Partner universities in 56 countries in Europe, Asia, Africa, North and South America

Over

500

partner universities

International students at VGTU

9,5% of all VGTU students are international (exchange and degree seeking) students.

Most degree seeking students are coming from Spain, India, Turkey, Poland and Ukraine.

Most exchange students are coming from Germany, France, Spain, South Korea and Taiwan.

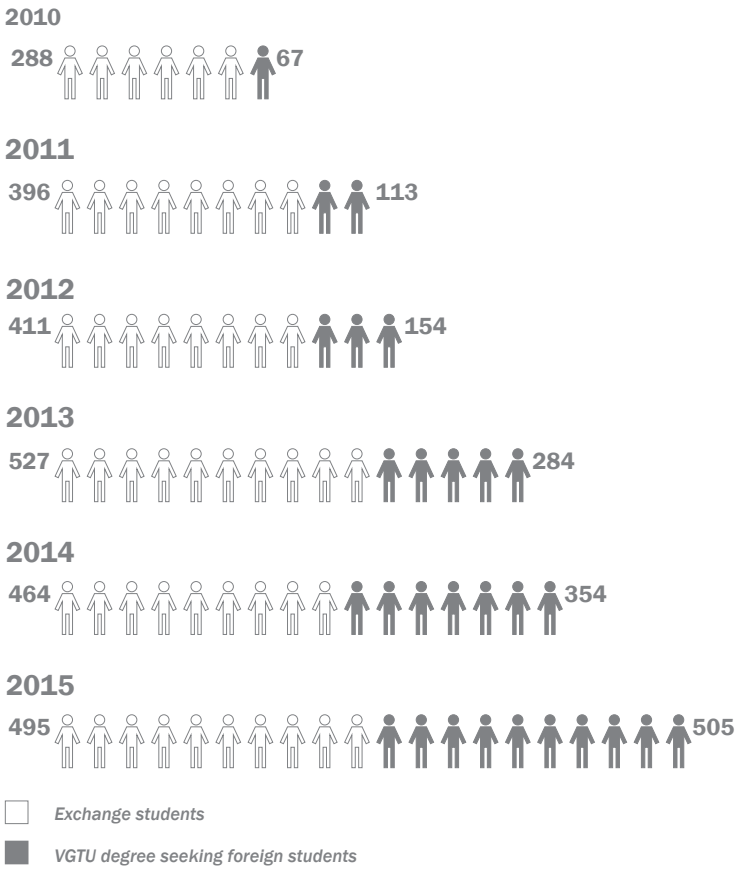
VGTU student mobility

Every 5th VGTU student goes abroad for long-term study or internship mobility at least once in the whole study period.

VGTU has 6 joint master study programmes with foreign universities, including one of the key mechanical engineering research centres in Germany – Braunschweig University of Technology, as well as Lomonosov State University (Russia), which is among 100 best universities worldwide. The University maintains close relationship with universities in the Baltic countries, i.e. 2 joint degree programmes and 1 double degree programme in partnership with Riga Technical University.

VGTU is a leading university in Lithuania by having the biggest share of all university students going abroad for studies under Erasmus+ programme – this is a confirmation of well developed study abroad opportunities at the University.

INTERNATIONAL STUDENTS 2010–2015



Every 7th student in Lithuania who has been abroad for studies or internship is a VGTU student.

Most popular countries for mobility: Czech Republic, Spain, Italy, Portugal, Germany.

By nurturing the experts of sustainable future, we must provide a solid knowledge foundation, introduce to the country and region specifics, and open wider perspectives – enable to share their experiences and learn from others, comprehend the global context and be part of the global progress. Openness and broad thinking is crucial in fields of nowadays modern society: science, business, economics and culture. Therefore VGTU is encouraging students and academic staff to actively engage in and take advantage of international activities – once engaged, we start changing ourselves and our environment.

The partnership network of VGTU is extended across five continents in Europe, Asia, Africa, North and South America, connecting over 500 higher education institutions. When choosing universities for cooperation, we seek mutually beneficial partnership and high quality of studies – 53 VGTU partner universities are among the QS TOP 500. Strategic directions of VGTU partnership development relate to the geographic priorities of the national programme for the promotion of internationalisation in higher education.

The university is getting more and more international every year – the number of visiting foreign professors delivering lectures and creative workshops is rising, as well as the number of exchange or degree seeking students. The latter number of students has increased 5 times during the last few years. This is the confirmation of VGTU academic quality, and a result of a consistent development of distant education and English study programmes. Another important international recognition for the university was a successful annual meeting of ESN national delegates from all over Europe organised at VGTU in 2014. VGTU has long-standing ESN traditions having had established the first ESN board in Lithuania, which currently brings together around 100 volunteer mentors, helping foreign students to integrate into VGTU academic community and to fall in love with Lithuania.

INNOVATION POLICY – SUSTAINABLE FUTURE

VGTU is one of the biggest and most important centre of technical research not only in Lithuania, but also in the region of Central and Eastern Europe. The innovations successfully applied in industry and manufacturing are created here, the solutions enabling more effective business competition and better living environment are developed at VGTU. The University is not only a leading centre of research, but also an important catalyst for economic growth and change.
Most of the innovations that contributed to the progress of engineering, industry and economy were developed, tested and implemented by the scientists of the University. Today, having modern laboratories, highly regarded professors and ambitious young scientists, VGTU has become internationally recognised and credible partner for joint research.

RESEARCH AND INNOVATION: Numbers and Facts

RESEARCH PRIORITIES:
Sustainable building
Environmental and energy technologies
Sustainable transport
Mechatronics
Information and communication technologies
Technology management and economics
Fundamental research on materials and processes

The work of VGTU researchers is highly regarded in the academic world – 22 of them had h-index 10 or higher in 2015 (there were 17 such scientists in 2014).

VGTU mission is to carry out international research, attract widely recognised scientists, develop research based innovations for society and business, become leader among Baltic countries in sustainable building, transport, sustainable environment, information technologies and communication.

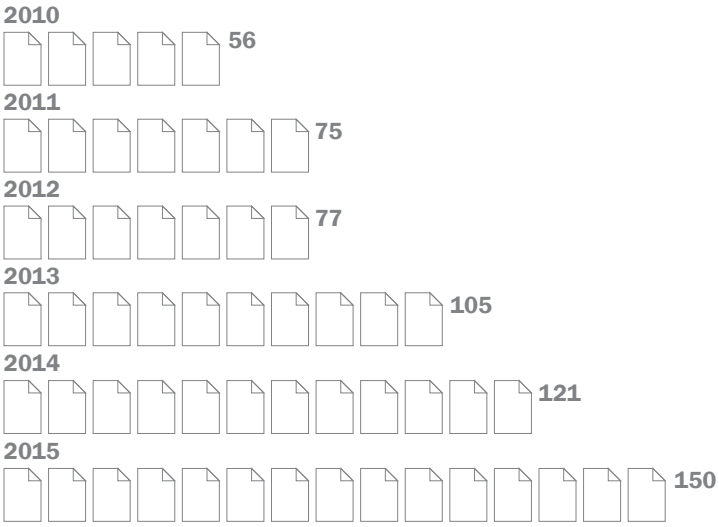
The research priorities of the University have been formulated with purpose to concentrate the research potential and effectively integrate into the European Research Area. The priority areas of research bring together researchers from different areas for interdisciplinary research.

The University currently publishes 19 Lithuanian and English scientific journals, 12 of which are published with "Taylor & Francis" publishing house.

Assoc. Prof. Dr. Julius Griškevičius, the Head of Biomechanics Department: "Medicine is being made individual, and more engineers of various areas are contributing to it"

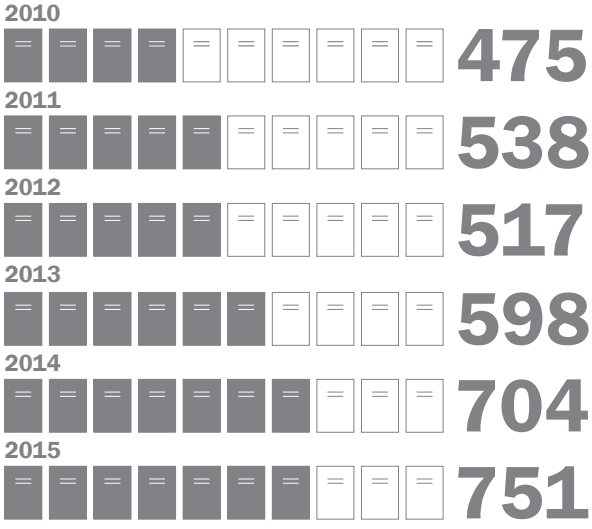
Over 30 scientific conferences annually

Publications in international scientific journals, referred by Thomson Reuters Web of Science databases



VGTU had 65 agreements for research and development cooperation with TOP 500 Lithuanian business companies in 2015.

Number of contracted works in 2010–2015



Patenting Dynamics

	2010	2011	2012	2013	2014	2015
Patent applications submitted to the State Patent Bureau (SPB) of the Republic of Lithuania	11	13	9	7	9	11
International patent applications submitted to the World Intellectual Property Organization (WIPO)		2	1		2	2
Patent applications submitted to the patent offices abroad			1			
Applications filed within the patent offices of other countries					2	
Patents issued in Lithuania	5	7	11	12	8	9
Number of patents currently in force (as of 31 December, 2015)	15	20	26	34	38	32

SUSTAINABLE BUILDING

Sustainable building is one of the key research areas of the University. Research is carried out in 7 research institutes, 2 centres and laboratories, 3 scientific journals. University researchers participate in international projects, promoting the development of green buildings and green cities, qualification improvement system of construction workers is created. Innovations created by VGTU researchers are widely applied in civil engineering sector – currently the technology for reducing concrete expenses in up to 40%, created and patented by VGTU Faculty of Civil Engineering scientists is being tested and improved.

Research topics

- Innovative building materials, structures and technologies
- Energy efficient thermal insulation materials and structures
- Architecture, urban planning, landscape architecture and regional planning
- Sustainable lifecycle of the buildings

Research

- Characteristics, technologies and exploitation methods of building materials
- Modern building structures and their design
- Development of innovative building materials
- Application of new technologies in construction
- Building energy supply and its consumption patterns, systems and processes

ENVIRONMENTAL AND ENERGY TECHNOLOGIES

Research in this field is carried out in 4 research institutes, 2 research centres and laboratories, 5 scientific journals are published. Researchers participate in European and regional projects of territorial development, cohesion and energy efficiency, examine the impact of climate change on cultural heritage. VGTU Department of Building Energetics researchers together with other scientists, public and private sector representatives participated in preparation of Lithuania's energy and environmental sustainability strategy. Participating in the National Science Programme "Future Energetics" university scientists have completed the project "Building and renewable energy sustainability model (PATEnMod)" aiming at searching for solutions on low energy building construction and modernization.

Research topics

- Efficient use of resources, energy systems and technologies
- Environmental systems and environment protection technologies
- Building of energy supply, its application methods, systems and processes
- Secure anthropogenic environment

Research

- Expert and theoretical research of environmental systems
- Environment protection technologies
- Territorial Planning
- Architecture and urban development, heritage protection
- Noise, electromagnetic and ionizing radiation

SUSTAINABLE TRANSPORT

VGTU scientists together with other European researchers are contributing to formulating the transport policy and drafting research priorities, while participating in the European and Asian rail research excellence network, Aviation noise research network, preparation of e-maritime transport strategy guidelines and developing best practices for freight transportation. Innovative solutions for the improvement of sustainable environment are sought in 3 research institutes and a competence centre: climate change and load resistant asphalt mixtures and technologies for fuel consumption reduction have been developed here. Moreover, the analysis of Vilnius public transport transformation has been executed at VGTU research institutes along with tram installation preparatory works. Sustainable transport issues are covered and published in 4 VGTU scientific journals.

Research topics

- Energy saving and environment-friendly transport means
- Transport systems and traffic modelling, optimization, safety and management
- Transport and logistics technology, interaction of transport modes
- The new movement technologies, intelligent transport systems

Research

- Civilian use of unmanned aircraft
- Satellite navigation research and application
- New kinds of transport fuels
- Modelling of transport and logistics systems
- Interaction of different modes of transport
- Intelligent transport and logistics system

MECHATRONICS

Mechatronics research is carried out in 3 research institutes and 3 laboratories at the University. A new Technical Creativity and Innovation Centre has been recently opened at VGTU Faculty of Mechanics. The centre is open for all university students and staff who are keen on engineering project development, prototyping and manufacturing ideas. The unique projects such as manufacture of bio-signal controlled arm prosthesis, 3D printed orthopaedic footwear and related components, development of wheeled pole-climbing robot and other innovative solutions have received financing already.

Research topics

- Smart embedded systems
- Mechanical and mechatronic devices and processes
- Innovative constructive and multifunctional materials, nanostructures
- Biomechatronic systems
- Electrical and electronic devices and systems

Research

- Smart technology application in mechatronic systems
- Mechatronic and embedded systems and devices
- Biomechatronics
- Development, optimisation and improvement of electrical and electronic devices and systems

INFORMATION AND COMMUNICATION TECHNOLOGIES

VGTU geodesy researchers are performing the inspection of technical equipment components and calibration of GPS network of the Republic of Lithuania. Implemented technologies are opening new opportunities in the exact location identification for various fields of economy: geodesy, land management, real estate cadastre, cartography, transport, water and air navigation, etc. The researchers of Information Technologies are collaborating with business: strategic cooperation agreement with Bentley Systems has been signed, IBM has manufactured the smart electronic chip created by VGTU electronic engineering students. Research is carried out and innovations are developed in 2 research institutes and 5 laboratories.

Research topics

- Information technologies, ontological and telematic systems
- Smart communication technologies
- Digital signal processing technologies
- Geoinformation system technologies and their application

Research

- Information and communication technologies and systems
- Electronic systems of digital signal and image processing, recognition and management
- Research and development of measurement methods for geodesy, cartography technology and physical quantities
- 3D models of objects

TECHNOLOGY MANAGEMENT AND ECONOMICS

Technology management and economics research complements the technical studies with 5 scientific journals being published in this research area. VGTU researchers actively participate in international projects, and investigate the conditions of qualification, innovation, and cooperation for small and medium enterprises in the Baltic Sea Region. The methodology for public and private sector economic efficiency assessment has been developed, the modelling and simulation of the country's economic activity and integration to EU as well as sustainable development opportunities and implications has been performed. The urban competitiveness evaluation model, developed based on the principles of sustainable development is also a product of VGTU researchers, as well as the computerized problem solving programme, applied to investment management in global financial markets, preparing sustainable development projects, analysing complex risk management problems, delivering commercial orders.

Research topics

- Universal sustainability research
- High value-added economy
- Integrated communication strategies and concepts
- Creative industries, digital society development
- Innovation management

Research

- Innovative, high value-added small and medium enterprise development
- Modern technologies and value creation in innovation engineering
- Regional sustainable development engineering
- Financial engineering services development
- Technological innovation management
- Creative communication and media culture studies
- Creative industries means for communication efficiency
- Entrepreneurship in creative industries

FUNDAMENTAL RESEARCH ON MATERIALS AND PROCESSES

One of the innovations developed by the researchers of this field is fire-resistant concrete with nanostructures used in power devices, and special asphalt mix, reducing vehicle noise and thus improving the quality of life. The researchers are also actively engaged in biotechnology and biopharmaceutical sectors, by executing research and training the young specialists. Fundamental research on materials and processes is carried out in 3 university laboratories, published in 2 scientific journals.

Research topics

- Mathematical models and methods of physical, technological and economic processes
- Modelling of biocatalytic processes
- Materials and technologies of energy sources

Research

- Fundamental research of materials and processes
- Mathematical models and methods
- Development and application of computational mechanics methods
- Intelligent multifunctional materials, nanomaterials

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MEANINGFUL LEADERSHIP

Leadership is meaningful when reflected in actions: when our innovations are successfully applied in industry, when students accelerate business with their knowledge and energy, when our alumni are sharing their achievements and experience with wider communities.

VGTU seeks to establish and foster meaningful relationships with business and alumni, become co-creator of their success stories. Their success is our success and contribution to the economic and social progress. The same goes for innovation – as soon as it is out of the lab it becomes new products and technologies, providing business with competitive advantage and enables to improve the quality of life. Therefore, we have a broader approach to studies: it's not only knowledge, but also formation of ones attitudes. We encourage our students to seek for challenges and opportunities, take initiative and creatively use their knowledge.

SCIENCE FOR BUSINESS

Research initiated by the government, business or social partners is reflecting the significant contribution of the University to the tcountry's well-being. We are the exclusive region-wide in the research of building materials and construction, thermal insulating materials, transport and logistics, as well as notified and accredited acoustics research. The contracted works are also carried out in many other industries and business areas, which altogether accounts for as much as 40% of total VGTU income.

The main customers for contracted works are – PI Road and Transport Research Institute, JSC Problematika, JSC Darbasta, JSC Alna Business Solutions, JSC Viadukas, JSC Alna Software, JSC Cassandra Group, JSC Kalvis, JSC Swetrak.

In recent years, the most contracted work was carried out in the field of road research. The Lithuanian Road Administration under the Ministry of Transport and Communications initiated the road pavement experimental studies that include surface slip resistance, noise-reducing coating and sustainable road maintenance technologies.

AMBITIOUS YOUNG GENERATION

VGTU graduates are highly valued in the labour market for their innovative and creative ideas. They first meet their potential employers early in the studies – during the career days, internships, lectures by business leaders. Often the conversation during career days or an internship turns into a job offer and a beginning of a successful career. The career path may as well begin abroad – almost 200 VGTU students per year have internships abroad.

VGTU alumni are highly regarded and demanded professionals, majority of them successfully working closely related to their previous field of studies. Out of 70 thousand of all VGTU alumni, many are seeking professional success not only in Lithuania, but also around the world. The alumni of Architecture, Civil and Environmental Engineering faculties are especially appreciated.

Even though employers offer good financial rewards and stability, more and more VGTU students become creators of innovative business. Study environment at the University offers perfect conditions to prepare for such step. Knowledge and technology transfer centre together with the Entrepreneurship support centre assist students in turning their ideas to innovations, by providing consultations on business development, knowledge transfer, intellectual property and research commercialisation. During the meetings with mentors students learn the main business principles, are advised on ways to find financial support, expand recognition and find the like-minded partners. In 2015 VGTU students established 14 new businesses under the INOVEKS project. The university is always open for students willing to surprise and inspire the community with their ideas. Students are welcome to develop their ideas and turn them to prototypes in a new creativity space – Technical Creativity and Innovation Centre and "LinkMenų Fabrikas".

PASSING ON THE LEADERSHIP TRADITIONS

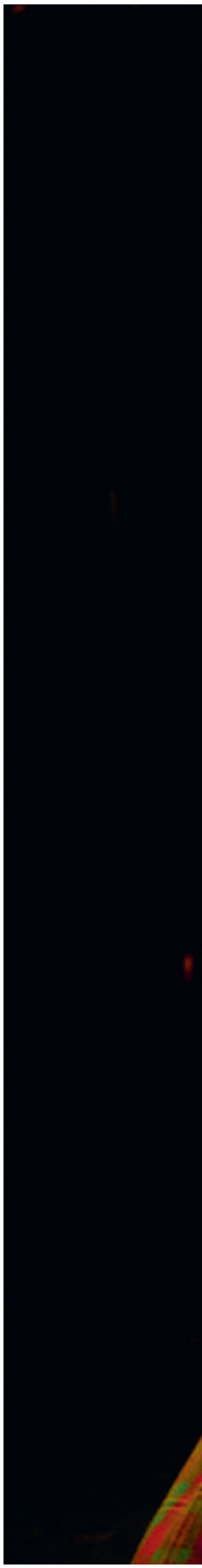
One of the key role of the University – be visionary, inspire and gather partners who contributes to creating the community that is open to innovation and creative. VGTU is collaborating with many local and international innovative companies such as Western Union, IBM, Small Planet Airlines, SE Lithuanian Airports, Lietuvos paštas, Eltel Networks, Lithuanian Railways, CSC Baltic, Bentley Systems. Business representatives are involved in study program committees, as well as are providing topics for final thesis, offering internships, and setting up scholarships for the best students.

Another example of leadership and strong community is the alumni of the university. Many of them have remained faithful to the values of the university in their professional activities: developing and implementing innovations, being inspired rather than threatened by complicated tasks, being active citizens, sponsors of science and culture. VGTU graduates can be found working in the government, ministries, academic and research institutes, as well as leading the business and being highly regarded professionals and influencers. Graduates are happy to join VGTU alumni club and share their success with current students and their Alma Mater. Many of them come back to the University as professors, scientists or members of University Council and share their knowledge and contacts in search for new talents and innovative solutions.

VGTU: SECOND HOME FOR FUTURE SHAPERS

VGTU encourages every student not only to seeking the knowledge, but also developing unique talents. Dynamic university life is an attribute of open and creative community. Every September the University announces the start of the study year with an annual festival “Gediminas days”. Student parade in Vilnius streets, concerts, entertainment and experimentation spaces – this way VGTU presents itself and welcomes all the students, staff, alumni and university fellows.

Academic VGTU choir “Gabija”



TRAINING OUR MINDS AND BODIES

We are proud of our energetic, enthusiastic, talented students and encourage them to further develop their skills at the university. There are several art clubs at the university, the most significant and oldest being theatre, choir and dance clubs. Theater studio “Palėpė” invites students to act, direct and create, mixed academic choir “Gabija” – to sing, folk dance ensemble “Vingis” to dance and play the folk instruments.

VGTU athletes participate in inter-university, national, Europe and World championships and tournaments.

VGTU folk dance ensemble “Vingis”

Eiffel Tower constructed by VGTU students

AFTER CLASS – EIFFEL TOWER CONSTRUCTION AND BRIDGE BUILDING

Students from different study fields unite in leisure clubs. VGTU has student clubs for architects, geodesists, road engineers that organize various activities and projects. It is also a common practice that various events are initiated by individual students, bringing together the like-minded communities. One of the most popular initiatives – Pasta Bridges Championship, gathering university students and alumni together with school students to compete building bridges out of pasta and glue carrying over 250 times its own weight. All that theory learned during lectures really comes in handy here. This event has grown into a National Championship since 2015, enabling university and school students to learn technology and engineering sciences through playing. In 2015, the spaghetti bridge built by VGTU students was able to carry a load of 251 kg with its weight of less than one kilo, breaking the former national record by doubling last year's results. Another notable VGTU student project – 8,58 meters high and 3,42 meters wide Eiffel Tower constructed out of paper rolls by civil engineering students, commemorating the 125th anniversary of the Eiffel Tower. Almost 16 thousand paper sheets and 2.5 thousand screws were used in over 1 thousand hours. This way the used paper was given a second life and the students had a chance to use their engineering knowledge, creative thinking and problem solving skills.

CREATIVITY CENTRE "LINKMENŲ FABRIKAS"

When it comes to creativity of students, VGTU is taking firm actions. The University along with the partner from the United Kingdom, Edinburgh Napier University, has established a centre of creativity and innovation that is unique in Lithuania – "LinkMenų Fabrikas". The centre is equipped with laboratories for mechanics, wood and metal processing, painting, 3D printing, electronics, transport technical creativity, as well as the teamwork spaces and the studios of advertising, photography, video and audio recording. "LinkMenų Fabrikas" helps the ambitious young people to generate and develop their ideas. The engineers, professionals of information technologies, creative industries and other fields search for common interests and work together in the centre. This is a significant contribution of VGTU towards the development of highly needed professionals with competences in innovation creation, development and application.

Meet the winner team "Špikis" – VGTU architectural engineering students Žygimantas Riauba and Tomaš Seniut and VGTU urban engineering student Monika Parafinaitytė. The team was competing in spaghetti bridge building for the second time, in 2014 their bridge carried a 50 kg load, this year – four times more. Finally, the team went to the World Championship in Hungary and improved the record of Lithuania with a bridge carrying 307,6 kg load.

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