Profile

STU

SLOVAK UNIVERSITY OF
TECHNOLOGY IN BRATISLAVA

STU

Oliver Moravčík
Rector

In 2021,

the STU along with the whole society experienced complicated and unprecedented situations and events. The University activities were marked by the restrictions associated with pandemic. However, thanks to the commitment of teachers, students and many other employees, we managed even in difficult conditions to handle the tasks regularly and with honour.

We also successfully managed the process of implementing a new internal quality system at STU. This is an important step and proof that this University places special emphasis on quality, which has been also confirmed by the current domestic and international rankings. Our graduates are the most preferred on the market, and STU is the only Slovak university among those 550 evaluated world universities in the QS Graduate Employability Rankings 2022.

Decline in the number of students in our University was halted mainly thanks to the growing number of foreign students. In a short time, we managed to fully activate all University bodies, and the new University Management vigorously began to accelerate the processes towards a better, more efficient and more attractive STU. The modern teaching premises, state-of-the-art laboratories and renovated dormitories and sports grounds, which are gradually becoming a reality, will be part of the future top campus built together with partners within the CEVIS project.

STU Mission

The Slovak University of Technology in Bratislava provides university education in engineering disciplines. Our education system is based on scientific research as well as artistic, engineering and other creative activities. Our faculties, departments, institutes and experts cooperate directly with industrial companies and social organisations, actively taking part in the international cooperation.

VISION

The Slovak University of Technology in Bratislava strives to be an internationally recognized, research-oriented technical university. It seeks to provide high quality and internationally comparable education to a wide spectrum of the young generation students in the promising fields, the education based on independent and critical thinking, entrepreneurship and creativity, targeted to practical application and success in life, while regarding the human aspects of education and technological progress. The University is also determined to contribute to the economic and social development of the Region.

MISSION

As a research-oriented technical university, the STU's mission is to attain, apply and disseminate new knowledge through scientific research, engineering and other creative activities, and educate and enlighten the young generation in the spirit of the principles of humanism and goodwill. The STU develops harmony, knowledge, wisdom, philanthropy and creativity in a person, thus contributing to the development of education, science, culture and health for the progress and benefit of the knowledge-based society.

KEY FIGURES*

Number of students
- 10,543
- PhD. 778

Number of graduates:
- Bc. 1,396
- Ing. 1,371
- PhD. 113

Number of teaching and research staff
- 1,432

* figures 2021

Faculties & Institutes

FACULTIES AND INSTITUTES

- Faculty of Civil Engineering
- Faculty of Mechanical Engineering
- Faculty of Electrical Engineering and Information Technology
- Faculty of Chemical and Food Technology
- Faculty of Architecture and Design
- Faculty of Materials Science and Technology
- Faculty of Informatics and Information Technologies
- Institute of Management

STU SvF

FACULTY OF CIVIL ENGINEERING

The Faculty of Civil Engineering is one of the largest faculties in Slovakia. It has trained over 33,990 Master-degree gradutes, approximately 8,798 Bachelor-degree graduates, and over 1,498 PhD. graduates.

Number of students: 2,214
Number of teaching staff: 202

Address:
Radlinského 11, 813 68 Bratislava
www.svf.stuba.sk

Areas of activities:
building constructions, services and technologies; geodesy and cartography; land constructions; transportation constructions; mathematical-computational modelling; water constructions and water systems

STU SjF

FACULTY OF MECHANICAL ENGINEERING

Many graduates of the Faculty of Mechanical Engineering occupy top positions in the international corporations, including Volkswagen, BMW, Mercedes, IBM or Siemens.

Number of students: 785
Number of teaching staff: 94

Address:
Námestie slobody 17, 812 31 Bratislava
www.sjf.stuba.sk

Areas of activities:
applied mechanics & mechatronics; automation of machines; automobiles & mobile machines; chemical and food machinery; metrology & production quality systems; thermal, hydraulic and production machinery

STU FEI

FACULTY OF ELECTRICAL ENGINEERING AND INFORMATION TECHNOLOGY

Faculty provides a well-balanced mixture of theory and practical experience. Employment rate of the Faculty graduates achieves almost 100 %; their starting salaries belong to the highest in the economy.

Number of students: 2,314
Number of teaching staff: 167

Address:
Ilkovičova 3, 812 19 Bratislava
www.fei.stuba.sk

Areas of activities:
applied informatics & communication systems; cybernetics, robotics & smart technologies; electronics; electrical engineering; nuclear & physical engineering, power engineering

STU FCHPT

FACULTY OF CHEMICAL AND FOOD TECHNOLOGY

For an extended period of time, the Faculty has been at the top in the Slovakia's list of the top-quality technical faculties. As the only faculty in Slovakia, it trains experts for the entire spectrum of the chemical, food, pharmaceutical and cosmetic industries, as well as for various other environmental, biotechnological, and research and development fields.

Number of students: 1,286
Number of teaching staff: 206

Address:
Radlinského 9, 812 37 Bratislava
www.fchpt.stuba.sk

Areas of activities:
biotechnologies; chemical engineering; environmental engineering; food chemistry & technologies, fuels & polymers; inorganic & organic technologies; inorganic, organic, analytical & physical chemistry

STU FAD

FACULTY OF ARCHITECTURE AND DESIGN

The Faculty of Architecture and Design is the largest and the oldest school of architecture in Slovakia, educating the experts capable of designing the engineering activities in the areas of architecture, urban development and design.

Number of students: 929
Number of teaching staff: 99

Address:
Námestie slobody 19, 812 45 Bratislava
www.fad.stuba.sk

Areas of activities:
architecture & urban development;
product design

STU MTF

FACULTY OF MATERIALS SCIENCE AND TECHNOLOGY

Thanks to its unique combination of study programmes, the Faculty of Materials Science and Technology is the only of its kind in Slovakia. Education is based on the latest scientific and research findings integrated in the departments of excellence.

Number of students: 1,700
Number of teaching staff: 146

Address:
J. Bottu 2781/25, 917 24 Trnava
www.mtf.stuba.sk

Areas of activities:
automation & informatics in industry;
industrial management; material engineering;
processing and application of non-metals;
production machinery and systems;
production technologies

STU FIIT

FACULTY OF INFORMATICS AND INFORMATION TECHNOLOGIES

As the only school in Slovakia, the Faculty focuses exclusively on the field of Information Technologies. Demand for its graduates is high; their starting salaries also being among the highest ones in the economy.

Number of students: 1,133
Number of teaching staff: 47

Address:
Ilkovičova 2, 842 16 Bratislava
www.fiit.stuba.sk

Areas of activities:
computer engineering; information security; information systems; security; internet technologies

STU

INSTITUTE OF MANAGEMENT

Institute of Management is an autonomous unit providing the research and pedagogic activities in the area of management and urban planning, closely cooperating with other University units, as well as the domestic and foreign universities and other scientific and academic institutions.

Number of students: 182
Number of teaching staff: 29

Address:
Vazovova 5, 812 43 Bratislava
www.stuba.sk

Areas of activities:
entrepreneurship; investment planning; spatial planning

Human Resources

THE STU MANAGEMENT

Rector:
Dr. h. c., Prof.h.c., Prof. Dr. Ing. Oliver Moravčík

Vice-Rector for Education and Students Care:
Assoc. Prof. Ing. Mikuláš Bittera, PhD.

Vice-Rector for Science and Research:
Prof. Ing. Ján Híveš, PhD.

Vice-Rector for Informatics and Sport:
Prof. Ing. Štefan Stanko, PhD.

Vice-Rector for Strategic Projects, Development and Practice:
Assoc. Prof. Ing. Maximilán Strémy, PhD.

Vice-Rector for Foreign Relations and Public Relations:
Prof. Ing. arch. Ľubica Vitková, PhD.

Bursar:
Mgr. Rastislav Igliar

HIGHLY QUALIFIED STAFF

QUALIFICATIONS STRUCTURE OF TEACHING STAFF

Professor
reads lectures, oversees study programmes and determines academic direction

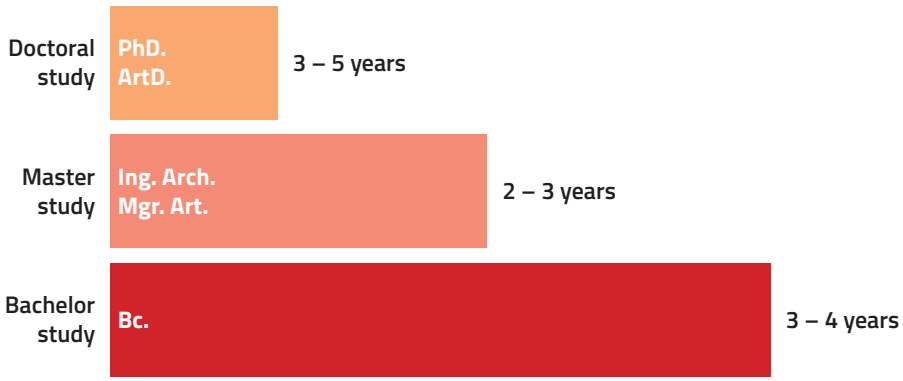
Associate Professor
reads lectures and participates in overseeing study programmes and individual subjects

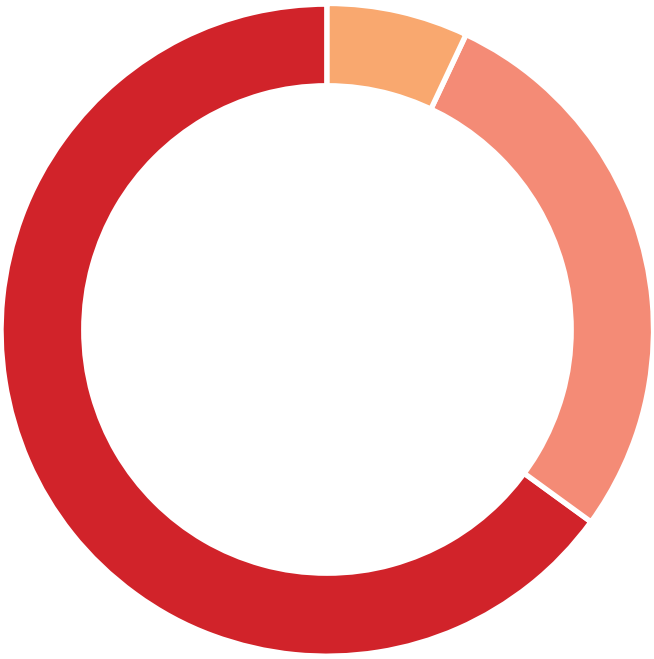
PhD Assistant
leads seminars, exercises and laboratory exercises

Assistant without PhD
gives seminars, exercises and laboratory exercises

Study

Priority of complex education in a wide spectrum of enfineering fields and programmes as well as in the fields of arts, humanities and pedagogy is a research-based practical orientation.





- Doctoral study (745)
- Master study (2964)
- Bachelor study (6969)*

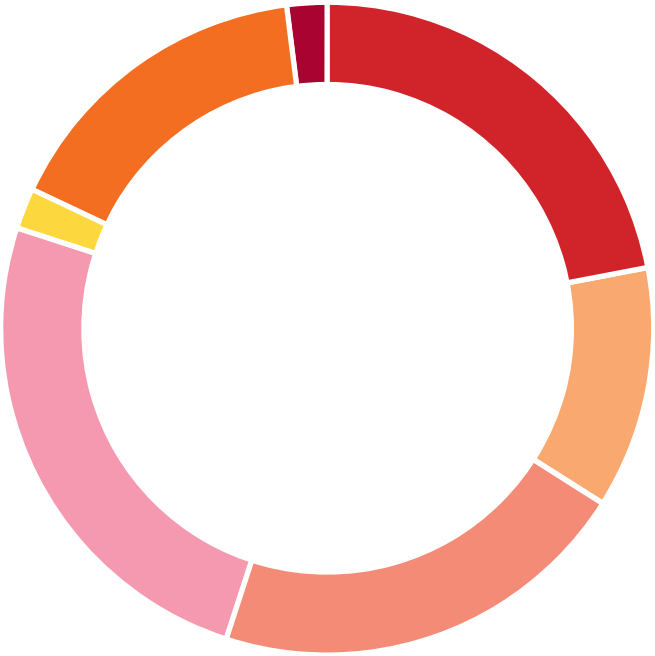
*figures 2021

Research

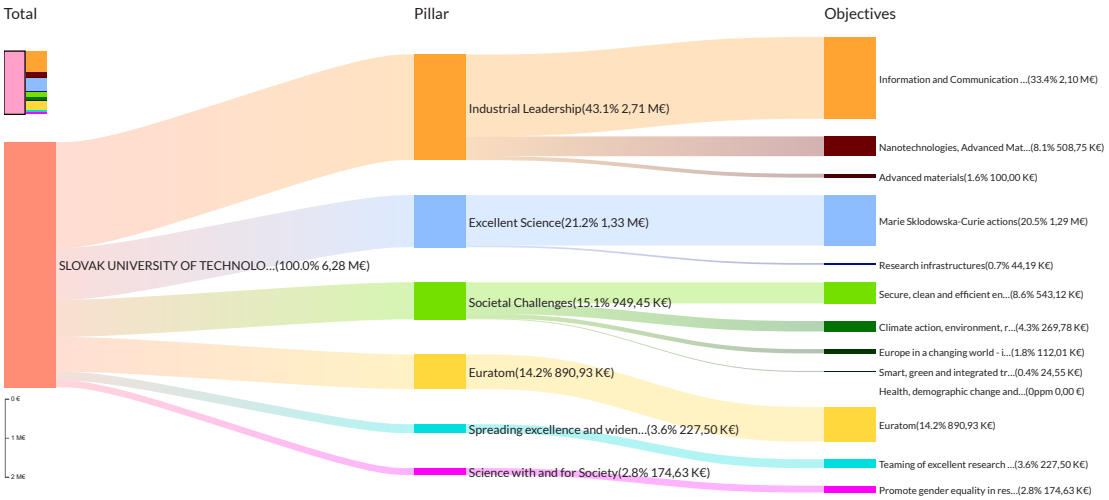
Research plays the key role in the education process. Thanks to the research, we are able to prepare well educated and highly trained experts. The STU graduates work with the up-to-date knowledge and receive hands-on experience with the advanced technologies, while discovering new knowledge and technical solutions.

RESEARCH AREAS

- Civil Engineering (22%)
- Mechanical Engineering (12%)
- Electrical Engineering and IT (21%)
- Chemical and Food Processing Technologies (25%)
- Architecture (2%)
- Materials and Technologies (16%)
- Other (2%)



TOP RESEARCH PROJECTS



Source: Source: signed projects, eCORDA H2020 database, 2021-12-04 (h2020viz.vinnova.se)

STU belongs to the TOP 5 Slovak organisations regarding the EU contribution from Horizon 2020.

H2020 ADVANCED MATERIALS

FASTGRID - Cost effective FCL using advanced superconducting tapes for future HVDC grids (2017 - 2021)

H2020 ICT

DIH-World - DIH-World - Accelerating deployment and matureness of DIHs for the benefit of Digitisation of European SMEs (2020 - 2023)

H2020 ICT ECSEL

CONNECT - Innovative smart components, modules and appliances for a truly connected, efficient and secure smart grid (2017 - 2021)

R3-PowerUP - 300mm Pilot Line for Smart Power and Power Discretes (2017 - 2022)

5G_GaN2 - Advanced RF Transceivers for 5G base stations based on GaN Technology (2018 - 2022)

HiPERFORM - High performant Wide Band Gap Power Electronics for Reliable, energy eFficient drivetrains and Optimization thRough Multi-physics simulation (2018 - 2021)

REACTION - first and euRopEAn siC eigTh Inches pilOt liNe (2018 - 2022)

Power2Power - The next-generation silicon-based power solutions in mobility, industry and grid for sustainable decarbonisation in the next decade (2019 - 2022)

UltimateGaN - Research for GaN technologies, devices, packages and applications to address the challenges of the future GaN roadmap (2019 - 2022)

iRel40 - Intelligent Reliability 4.0 (2020 - 2023)

Progressus - Highly efficient and trustworthy components and systems for the next generation energy supply infrastructure (2020 - 2023)

HiEFFICIENT - Highly EFFICIENT and reliable electric drivetrains based on modular, intelligent and highly integrated wide band gap power electronics modules (2021 - 2024)

H2020 Health

HBM4EU - European Human Biomonitoring Initiative (2017 - 2021)

H2020 Energy

MAKING-CITY - Energy efficient pathway for the city transformation: enabling a positive future (2018 - 2023)

BOOSTER - Boost Of Organic Solar Technology for European Radiance (2020 - 2024)

SEEtheSkills - Sustainable EnErgy Skills in construction: Visible, Validated, Valuable (2021 - 2024)

H2020 Transport

BISON - Biodiversity and Infrastructure Synergies and Opportunities for European Transport Networks (2021 - 2023)

H2020 Inclusive Societies

rurALLURE - Promotion of rural museums and heritage sites in the vicinity of European pilgrimage routes (2021 - 2023)

H2020 Science with and for Society

CALIPER - The CALIPER project: Linking research and innovation for gender equality (2020 - 2024)

H2020 Euratom

MEACTOS - Mitigating Environmentally Assissted Cracking Through Optimisation of Surface Condition (2017 - 2021)

ENEEP - European Nuclear Experimental Educational Platform (2019 - 2022)

EURAD - European Joint Programme on Radioactive Waste Management (2019 - 2024)

ECC-SMART - Joint European Canadian Chinese development of Small Modular Reactor Technology (2020 - 2024)

FRACTESUS - Fracture mechanics testing of irradiated RPV steels by means of sub-sized specimens (2020 - 2024)

SafeG - Safety of GFR through innovative materials, technologies and processes (2020 - 2024)

STRUMAT-LTO - STRUctural MATerials research for safe Long Term Operation of LWR NPPs (2020 - 2024)

H2020 MSCA

ImageInLife - Training European Experts in Multilevel Bioimaging, Analysis and Modelling of Vertebrate Development and Disease (2016 - 2021)

DiCoMI - Directional Composites through Manufacturing Innovation (2019 - 2022)

INFLANET - Training European Experts in Inflammation: from the molecular players to animal models and the bedside (2021 - 2025)

H2020 Research Infrastructures

TREX - Targeting Real chemical accuracy at the Exascale (2020 - 2023)

I.FAST - Innovation Fostering in Accelerator Science and Technology (2021 - 2025)


Catalyst 2960 Series
Catalyst 2960 Series
R6
Catalyst 2960 Series
Catalyst 2960 Series
Cisco 2500 SERIES
R8

University Science Parks

USPs provide high-quality conditions for research by offering both newly-built and renovated research laboratories equipped with the advanced devices, in some cases unique in the European context. They also support knowledge transfer into practice and provide space for applied research.

- Technology innovations
- Development of new economic sectors based on innovative technologies
- New knowledge transfer into industrial practice
- Increased competitiveness of Slovakia
- Conditions for spin-off and start-up innovative companies
- High-quality research infrastructure
- Intensive collaboration and partnership with the Slovak and international research teams
- Co-operation of the University with academic institutions and enterprises
- Attractive engineering education and university scientific research

STU

SCIENCE CITY BRATISLAVA

Regional Centre of Mlynská dolina

Regional Centre "Centrum"

CAMBO TRNAVA

Centre of Materials Research

Centre of Automation and Informatisation in Production Processes and Systems

Centre of Excellence of 5-axis Machining

Centre for Nanodiagnostics

SCIENCE CITY BRATISLAVA

Regional Centre of Mlynská dolina
(Information and communication technologies, electrotechnics, power industry, robotics, nanoelectronics, photonics and automation of control systems)

INSTITUTE OF ELECTRONICS AND PHOTONICS
Contact: daniel.donoval@stuba.sk

INSTITUTE OF MULTIMEDIA INFORMATION AND COMMUNICATION TECHNOLOGIES
Contact: gregor.rozinaj@stuba.sk

INSTITUTE OF NUCLEAR AND PHYSICAL ENGINEERING
Contact: vladimir.necas@stuba.sk

INSTITUTE OF AUTOMOTIVE MECHATRONICS
Contact: vladimir.kutis@stuba.sk

INSTITUTE OF ELECTRICAL ENGINEERING
Contact: mikulas.bittera@stuba.sk

VIRTUAL DESKTOP CLOUD CENTRE
Contact: pavel.cicak@stuba.sk, gabriel.juhas@stuba.sk

RESEARCH CENTRE OF USER EXPERIENCE AND INTERACTION OF UXI@FIIT
Contact: vanda.benesova@stuba.sk

RESEARCH CENTRE OF COMPUTER TECHNOLOGIES
Contact: pavel.cicak@stuba.sk

Regional Centre "Centrum"
(Materials research, chemistry, food, industrial biotechnologies, environment, safety and reliability of buildings)

LABORATORY OF BIOCATALYSIS
Contact: milan.polakovič@stuba.sk

LABORATORY OF ADDITIVES MANUFAKCTURING, COMPOSITE AND BIOMATERIALS
Contact: jan.hives@stuba.sk, marian.janek@stuba.sk

LABORATORY OF NEW MATERIALS
Contact: jan.hives@stuba.sk, marian.janek@stuba.sk

RESEARCH AND DEVELOPMENT OF TECHNOLOGICAL AND MATERIAL UTILISATION OF BIOMASS
Contact: ludovit.jelemensky@stuba.sk

PRODUCT DEVELOPEMENT RESEARCH CENTRE
Contact: peter.paliatka@stuba.sk, michal.brasen@stuba.sk

LABORATORY OF PHYSICAL PROPERTIES OF BUILDING CONSTRUCTIONS
Contact: milan.palko@stuba.sk

LABORATORY OF STATICS AND DYNAMICS OF LOAD-BEARING STRUCTURES
Contact: juraj.kralik@stuba.sk

LABORATORY OF BUILDING MATERIALS
Contact: stanislav.uncik@stuba.sk

LABORATORY FOR MODELING GEOSPATIAL OBJECTS AND PHENOMENA
Contact: juraj.janak@stuba.sk

NATURAL HAZARDS MODELING AND MITIGATION LABORATORY
Contact: andrej.soltesz@stuba.sk

CAMBO TRNAVA

Centre of Materials Research
(Materials, nanostructures and modified surfaces)

SCIENTIFIC CENTRE OF MATERIALS RESEARCH
Contact: pavol.noga@stuba.sk, robert.riedlmajer@stuba.sk

Centre of Automation and Informatisation in Production
(Control systems of the technology and production systems)

Contact: pavol.tanuska@stuba.sk, pavel.vazan@stuba.sk

Centre of Excellence of 5-axis Machining
(Technologies of 5-axis Machining)

Contact: ivan.buransky@stuba.sk

Centre for Nanodiagnostics
(Materials research, research of nanostructures, analysis of samples for physics, chemistry, geology, biology and medicine, using transmission electron microscopy with cold cathode and resolution of 78 pm, and Auger spectrometer with Schottky cathode)

Contact: viliam.vretenar@stuba.sk


e-up!
STU

Cooperation with industry

Intense cooperation with private sector is inevitable for a university of technology. By discovering unique solutions to the contemporary technical issues, the University enriches its research activities and accelerates transfer of knowledge, while gaining financial support for its development.

Cooperation with industry takes various forms. Those include the tasks performed on the basis of a direct agreement or an order, as wel as the research and innovation projects executed in cooperation with partners from industry, while involving SMEs in the international projects, student internships in businesses, or even founding small companies with ties to the university environment.

DOMESTIC STRATEGIC PARTNERS

AGRO CS

ASOCIÁCIA PRIEMYSELNÝCH ZVÄZOV A DOPRAVY (Association of Industry Unions and Transport)

BRATISLAVA (the Capital of the Slovak Republic)

CENTRUM PRE VEDU A VÝSKUM (Centre for Science and Research)

ESET

EUSTREAM

GEODHESY, CARTOGRAPHY AND CADASTRE AUTHORITY OF THE SLOVAK REPUBLIC

KLUB 500

MINISTRY OF ENVIRONMENT OF THE SLOVAK REPUBLIC

MINISTRY OF TRANSPORT AND CONSTRUCTION OF THE SLOVAK REPUBLIC

NAFTA (Oil)

NÁRODNÁ DIAĽNIČNÁ SPOLOČNOSŤ (National Motorway Society)

PSA PEUGEOT CITROËN SLOVAKIA

SIEMENS

SLOVAK ACADEMY OF SCIENCES

SLOVAK HYDROMETOROLOGICAL INSTITUTE

SLOVENSKÁ ELEKTRIZAČNÁ PRENOSOVÁ SÚSTAVA (Slovak Electric Power Transmission System)

SLOVENSKÁ INOVAČNÁ A ENERGETICKÁ AGENTÚRA (Slovak Innovation and Energy Agency)

SLOVENSKÁ SPRÁVA CIEST (Slovak Road Administration)

SLOVENSKÉ ELEKTRÁRNE (Slovak Power Plants)

SLOVENSKÝ PLYNÁRENSKÝ PODNIK (Slovak Gas Enterprise)

SLOVENSKÝ VODOHOSPODÁRSKY PODNIK (Slovak Water Management Enterprise)

SLOVNAFT

ŠKODA AUTO

TÜV NORD CZECH

TÜV NORD SLOVAKIA

VODOHOSPODÁRSKA VÝSTAVBA (Water Management Construction)

VOLKSWAGEN SLOVAKIA

VÝSKUMNÝ ÚSTAV JADROVEJ ENERGETIKY (Nuclear Energy Research Institute)

VÝSKUMNÝ ÚSTAV VODNÉHO HOSPODÁRSTVA (Water Management Research Institute)

ZDRUŽENIE INTELIGENTNÉHO PRIEMYSLU – INDUSTRY 4.0 (Industry4UM - Intelligent Industry Association)


www.inqb.sk
Univerzitný technologický inkubátor STU
Pomáhame startupom rásť!
Univerzitný technolo
inkubátor STU
Inkubator_inq
Najdite si v nej "kamoša" a prihovárajte sa mu.
Udržujte očný kontakt s publikom. Pred prednáškou sa zoznámte.

Know-How Centre

The primary mission of the Centre is protecting intellectual property and creating positive environment for technology transfer. The Know-How Centre is the contact point for the commercial and industrial companies interested in the STU consultancy and expertise, utilisation of its labs, equipment, contractual research, or lease of the STU licensed technology.

UNIVERSITY TECHNOLOGY INCUBATOR

The University Technology Incubator of STU in Bratislava is the oldest university incubator in Slovakia established in 2005. During this time, it has supported 84 startup companies whose revenues exceeded more than 19.3 million €. Its mission is to help ambitious people to develop their innovative ideas into successful startups. It is open for all the students of the Slovak University of Technology in Bratislava, and also for all the students and graduates across the Slovak universities. The Incubator of STU offers its active members entrepreneurial education, mentoring, networking, participation in the Slovak startup ecosystem and in local or international competitions, as well coworking and offices. The Incubator of STU is a partner of the pre-acceleration programme EIT Jumpstarter and the international competition University Startup World Cup.

INCUBATOR OFFERS THE FOLLOWING TWO PROGRAMMES:

The **ŠTART programme** is designed for the students and graduates who intend to establish their own innovative business with the focus on offering products and services in the area of technology. For three months, they go through the idea validation, setting up the business plan, financial plan, go-to-market strategy, protection of intellectual property and media strategy. They can use an equipped office for free and benefit from consultations from various mentors.

The **INQB programme** is designed for those having already established their own innovative businesses focused on offering products and services in the area of technology. During the period of 2 years, the incubated companies can use a wide range of benefits for free, including consulting, technical support, marketing services and contacts with investors. They can also rent the office at the advantageous terms.

Investment in the research and innovation capacities and related infrastructure

ACCORD Project

(Advancing University Capacity and Competence in Research, Development and Innovation)

The aim of the Project is to support cooperation of the two largest universities, the Slovak University of Technology (STU) in Bratislava and Comenius University (UK) in Bratislava, in the research and innovation via coordinated investments into the research and innovation capacities related to the higher education infrastructure.

Strategic objectives

- Strengthening the competitiveness of universities in the European Higher Education Area in the field of STEM, attracting new students from Slovakia and abroad, and retaining the most talented students as future researchers and university teachers;
- Increasing the participation of universities in joint research via modernizing the existing research infrastructure and targeted marketing of the existing and new capacities towards potential research partners;
- Strengthening the cooperation between academia and industry and creating opportunities for effective transfer of the science and research results, particularly in the fields of biotechnology/biomedicine, progressive materials as well as information and communication technologies.

Key activities

Reducing CO_2 emissions, increasing the attractiveness of the educational environment, modernization of IT infrastructure, renewal of the research infrastructure/equipment and joint research programs.

Budget

Total Project expenditure	EUR 119 720 072.84
Total eligible project costs	EUR 110 965 538.84
Total amount of NFC	EUR 105 417 261.90
Co-financing	EUR 5 548 276.94

Implementation period

Start 01 September 2019
Termination 21 December 2023


Na
22.99
Sodium
11

International Mobility

We keep long-term relations with foreign universities and institutions, while systematically signing new cooperation agreements, creating thus favourable conditions for cooperation with faculties, departments and individuals. Contractual partnerships enable participation in the international projects. Belonging to the University key activities, those projects produce financial sources and contribute to further development of the University, while simultaneously providing for mobility of teachers as well as postgraduate and undergraduate students.

So far, we have signed 604 Erasmus+ agreements on international cooperation with 301 institutions from 27 countries from all around the world.

ACADEMIC MOBILITY

Within the mobility programmes, we send our students to the foreign studies or professional internships in companies abroad, usually lasting from three to twelve months. They are conducted within various projects of international programmes. Since 1988, when our participating in the Programme started, 3316 students of all degrees have travelled abroad for the study and internship purposes. For several years, the STU students have been receiving scholarships at the Kanazawa University of Japan. Students can also take internships in the Japanese companies within the Vulcanus international programme.

MOBILITY PROGRAMME

Since 2014, we have financed most of our projects from the Lifelong Learning and CEEPUS programmes in the area of education. The Ceepus programme supports exchange of the students and teachers'mobility within the central European Union extensive project entitled Lifelong Learning Programme; its goal is to support the education and professional training. We have implemented the projects within the Leonardo da Vinci programmes (specialised education), Erasmus+ mobility (student, teachers and staff mobility), Multilateral Programmes (innovative cooperation of universities with partners active outside the education sector), Intensive Programmes (teaching special topics designed for multi-national groups) and Academic and Structural Networks (innovations in specific academic fields). STU has also participated in Tempus – the European Union programme supporting the modernisation of higher education in the EU area.

NETWORKING

The University, its faculties and employees are active in many recognised European and international professional, educational, scientific and artistic organisations. The international bilateral and multilateral framework agreements provide conditions for cooperation between faculties, departments, institutes and individuals. Partnerships within the Lifelong Learning Programme and its Erasmus subdivision also play an important role. As of today, STU cooperates with 604 partnership universities from all around the world.

Slovak University of Technology in Bratislava

EIT (Manufacturing/Raw Materials)

European Society for Engineering Education

European Sustainable Energy Innovation Alliance

European University Association

Vision2020

Faculty of Civil Engineering

Federation of European Heating, Ventilation and Air-conditioning Associations

Faculty of Mechanical Engineering

Czech Foundrymen Society

European Automobile Enginneers Cooperation

European Structural Integrity Society

Federation of European Materials Societies

Fedération Internationale des Societés d'Ingénieurs de Techniques de l'Automobile

European Automobile Enginneers Cooperation

Institute of Research engineers and doctors

International Association of Engineers

International Federation for the Promotion of Mechanism and Machine Science

International Federation of Automatic Control

International Institute of Noise Control Engineering

International Institute of Refrigeration

International Society for Geometry and Graphics

Faculty of Chemical and Food Technology

European Federation of Chemical Engineering

European Chemistry Thematic Network Association

Faculty of Architecture

European Association for Architecture Education

World Institute for Engineering and Technology Education

Faculty of Materials Science and Technology in Trnava

Association for the Heat Treatment of Metals

European Alliance for Innovation

European Engineering Deans Council

European Network Education and Training in Occupational Safety and Health

European Virtual Institute on Knowledge - based Multifunctional Materials AISBL

Institute of Management

Association of European Schools of Planning Network

Centre for Transdisciplinary Research Network (CETIP)

Western Balkan Network on Territorial Governance

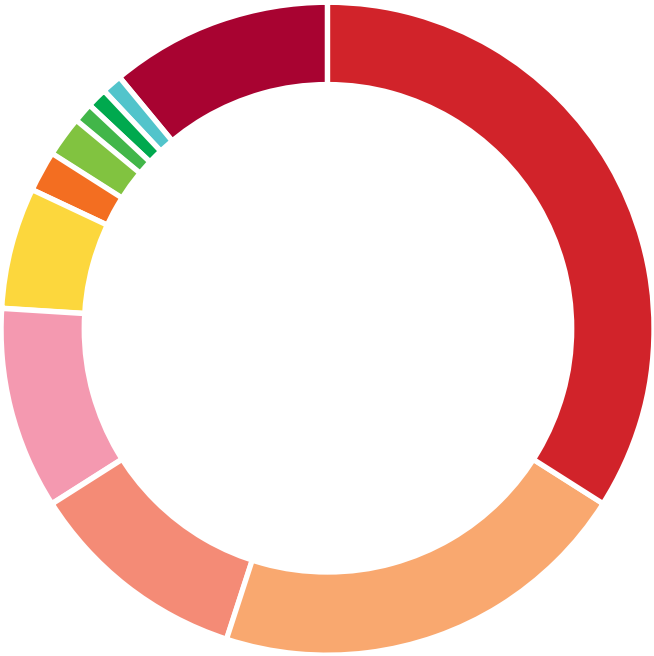
Network of Spatial Research and Planning Institutes in Central and Eastern Europe

OUR MOST IMPORTANT PARTNERS

Bauhaus-Universität Weimar, Germany
Budapest University of Technology and Economics, Hungary
České vysoké učení technické, Czech Republic
D'Annunzio University of Chieti–Pescara, Italy
Graz University of Technology, Austria
Hanze University of Applied Science, Netherlands
Institut Supérieur d'électronique de Paris, France
Johannes Kepler Universität Linz, Austria
Kanazava University, Japan
Karaganda State Technical University, Kazakhstan
KU Leuven, Belgium
Kumoh National Institute of Technology, Korea
Kyiv Politechnic Institute Ukraine, Ukraine
L'Université Pierre et Marie Curie, France
Michigan State University in East Lansing, USA
National and Kapodistrian University of Athens, Greece
National Taiwan University of Science and Technology, Taiwan
Norwegian University of Science and Technology, Norway
Óbuda University, Hungary
Polytechnic University of Catalonia, Spain
Polytechnic University of Valencia, Spain
RWTH Aachen University, Germany
Technische Universität Darmstadt, Germany
Technische Universität Ilmenau , Germany
Technische Universität München, Germany
Technische Universität Wien, Austria
Tianjin University, China
Universidad Central Marta Abreu de Las Villas, Cuba
Universidad de Chile, Chile
Universidad Nacional de Colombia, Columbia
Universidade de Lisboa, Portugal
Université du Quebec á Rimouski, Canada
University of Akureyri, Island
University of Alberta, Canada
University of Bergen, Norway
University of Chemistry and Technology, Czech Republic
University of Porto, Portugal
University of Virginia, USA
Vilnius Gediminas Technical University, Lithuania
Vysoké učení technické, Czech Republic
Wrocław University of Science and Technology, Poland

OVERVIEW OF INTERNATIONAL PROJECTS

- Horizon 2020 (38)
- CEEPUS (24)
- Erasmus+ (14)
- INTERREG (13)
- EIT (8)
- ESA (2)
- International Visegrad Fund (2)
- EIAI (1)
- 7th Framework Programme (1)
- NATO (1)
- Other (13)



Services for Students

The University provides extensive social support and services to its students, including three types of scholarships. Social scholarship is provided to the socially disadvantaged groups to cover their living expenses; motivation scholarships are awarded to the most successful students for their achievements in the previous academic year; and special scholarships are provided for excellent achievements in the research, artistic and sport activities, as well as for outstanding study results during the entire course of study.

STUDENT LIFE

Students use many facilities for studying as well as spending their free time.

- Well-equipped libraries and self-access centres,
- Online access to international databases,
- Modern approach to education (e-learning, distance studies, etc.),
- Special workshops and labs,
- PC labs,
- Free Internet access.

STUDENT ACCOMMODATION

- Six dormitories with a housing capacity for 5,900 students,
- Accommodation located within 10 minutes (on foot or by public transportation) from the education facilities,
- Single-, two- and three-bed rooms with standard facilities (individual or shared showers), Internet access, shared kitchenettes,
- Canteens and buffets in student dorms and faculty premises,
- Basic medical care in the student dormitories.

FREE TIME & LEISURE ACTIVITIES

The University offers many sport centres, playgrounds, gymnasiums and two swimming pools. They serve for education process as well as for the trainings of the University top sport teams and student free time activities. Students can choose from a range of sports such as volleyball, basketball, tennis, swimming, skiing, horseback riding, karate, yoga, athletics, etc.

OTHER INTERESTS

Omega is a radio-club of the STU students. History of the OM3KFF radio station dates back to 1951. Along with short-wavelength contests, the club currently focuses also on the ultra-short wavelength and microwave band contests.

IRŠ TLIS is an abbreviation standing for One-Thousand- Bed Dormitory Building's Radio Station in the Mladosť (Youth) student dorm. It was established almost 40 years ago. Its purpose is to deliver quality radio broadcast focused on the alternative music scene, student life and the field of culture and art.

YNET - The organisation established in December 2000 in a response to the students' growing interest in networking technologies. During its existence, it has built the top-class 'active ethernet' networks with Internet access in the student dorms.

Photo: Jana Liška

Since its establishment in 1953, **TECHNIK**, the University artistic ensemble with its three divisions – a folk ensemble, a choir and a chamber orchestra - provides students an opportunity to participate in cultural activities, as well as promote the University in Slovakia and abroad.

STUBA GREEN TEAM

STUBA GREEN TEAM is the only team in Slovakia successfully representing Slovakia and STU in the Formula Student Electric Competition. It has been operating since 2009 and currently involves 39 active members, mostly university students. During its existence, it has developed, designed and built seven electric formula racing cars.

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www.stuba.sk