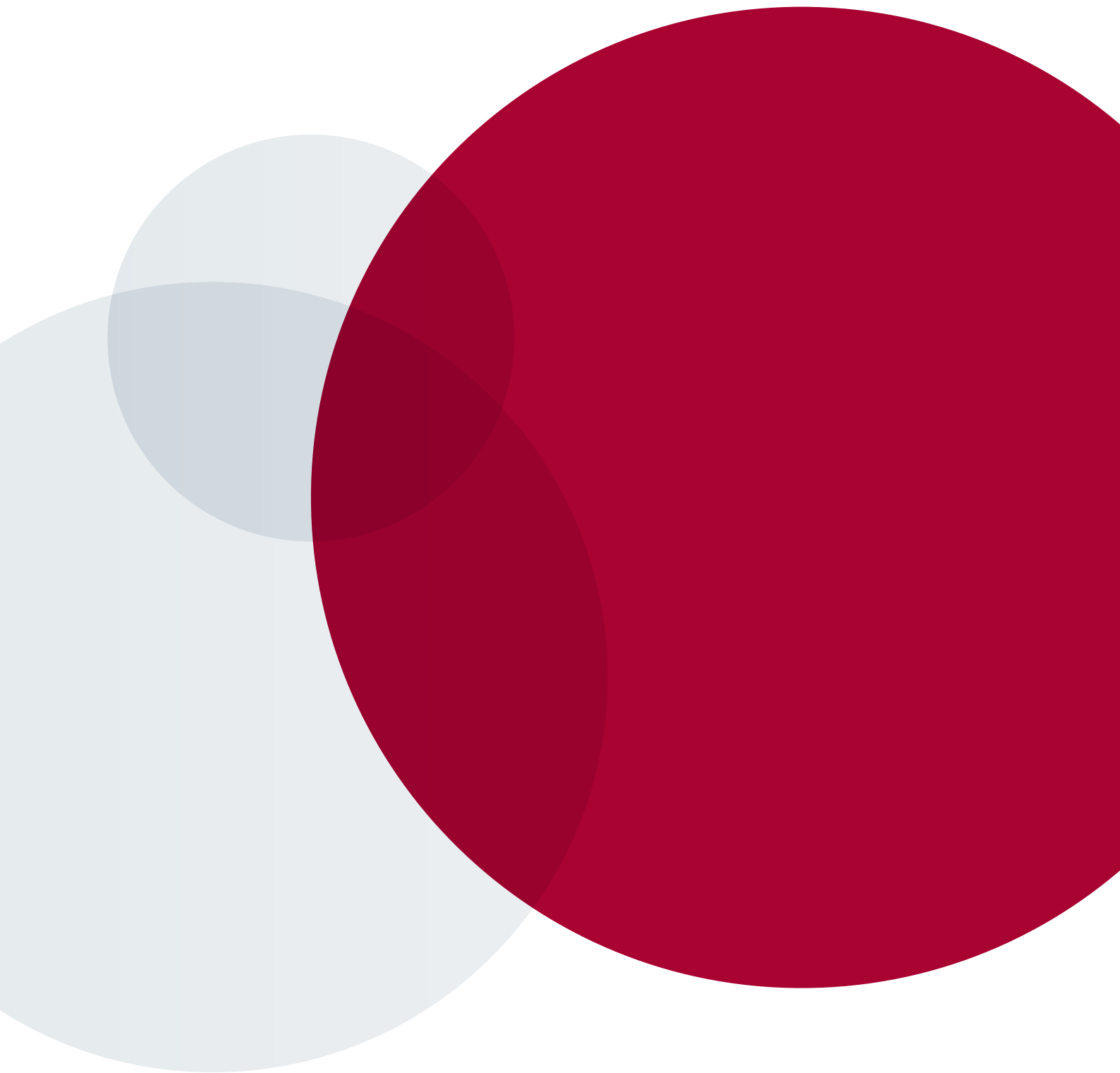


Profile



SLOVAK UNIVERSITY OF
TECHNOLOGY IN BRATISLAVA





Miroslav Fikar
Rector

Slovak University
of Technology
in Bratislava

Dear Friends,

STU is the oldest and the best technical university in Slovakia. Since its establishment in 1937, it has educated more than 120,000 technicians, scientists and engineers who have greatly contributed to the fact that the Slovak Republic today belongs to the TOP 3 most industrialized countries in Europe. The success and viability of the Slovak economy can be therefore markedly credited to the work of the technically highly educated workforce and technical know-how developed under the STU brand.

The modern economic history and the science and research development in Slovakia are inextricably linked with the scientific activity of the University and the professional work of tens of thousands of its graduates in industry.

Tradition frequently indicates quality; 300 years ago, Isaac Newton said: "If I have seen further it is by standing on the shoulders of Giants." I think this message well expresses one of the fundamental values of a good university – the value of continuity and respect for those who had been here before us. What they have accomplished is admirable. May legacy remain firmly embedded in our tradition and in the demands for high quality, comparable to the international environment.

Today, STU is a modern technical university with a reputation and international ambitions. The trend towards greater internationalisation is documented by the growing share of foreign students. We are also successful in obtaining the investment and research grants. In the period 2020 – 2023, within the Consortium with the partnering Comenius University in Bratislava, we are implementing the largest academic investment project in the history of Slovakia, in the amount of 111 million euros.

STU is the leader of several grants within the Horizon 2020 programme. STU has also been involved in the establishment of the European Infrastructure Manufacturing, a prestigious European platform. In international rankings, we are regularly placed in the TOP 1000 best world universities. According to the Shanghai ranking 2020, STU belongs to the TOP 500 group in the field of mathematics. In the QS ranking, we are the 710th out of more than 20,000 world universities.

We live in challenging times of huge changes, in a system of crises; solutions to the related problems will depend mainly on the new scientific knowledge, i.e. the performance of scientists. Quality research cannot remain a local matter. Science is no longer just a national sport; we are currently facing the biggest challenge associated with deepening the research and study internationalisation and the establishment of the best Slovak technical university in the international research area.





STU Mission

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

VISION

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

MISSION

As a research-oriented technical university, the mission of STU is to conduct scientific research and apply and disseminate the new knowledge via engineering and other creative work, and simultaneously to educate and enlighten the young generation in the spirit of the principles of humanism and generosity.

STU develops harmony, knowledge, wisdom, charity and creativity in a person, contributing thus to the development of education, science, culture and health for the benefit of society as a whole. In doing so, it contributes to the development of a knowledge-based society.

KEY FIGURES*

Number of students

- 10,976
- PhD. 767

Number of graduates:

- Bc. 1,430
- Ing. 1,502
- PhD. 135

Number of teaching staff

- 1,020

* figures 2019





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



FACULTY OF CIVIL ENGINEERING

The Faculty of Civil Engineering is one of the largest faculties in Slovakia. It has trained over 32,500 Master-degree graduates, approximately 7,650 Bachelor-degree graduates, and over 1,390 PhD. graduates.

Number of students: 2,142

Number of teaching staff: 236

Address:

Radlinského 11, 813 68 Bratislava

www.svf.stuba.sk

Areas of activities:

Building constructions, building environment technology, construction technologies, environment protection constructions, geodesy and cartography, land constructions, transportation constructions, mathematical-computational modelling, water constructions and water systems.



FACULTY OF MECHANICAL ENGINEERING

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

Number of students: 850

Number of teaching staff: 97

Address:

Námestie slobody 17, 812 31 Bratislava

www.sjf.stuba.sk

Areas of activities:

Applied mechanics, automation, chemical and food machines and devices, engineering technologies and materials, environmental technology, fluid, thermal, hydraulic and production machinery, mechatronics, meteorology, production quality systems and traffic engineering.



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: 2,284
Number of teaching staff: 168

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

Areas of activities:

Automation and management, electrical and heavy-current power engineering, electronics, engineering for power materials, informatics, photonics, physics and telecommunications.



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: 1,474
Number of teaching staff: 209

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

Areas of activities:

Biotechnologies, chemical engineering, environmental engineering, food chemistry and technologies, fuels and polymers, inorganic and organic technologies, inorganic, organic, and analytical and physical chemistry.



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, design, landscape and garden architecture.

Number of students: 915

Number of teaching staff: 98

Address:

Námestie slobody 19, 812 45 Bratislava

www.fa.stuba.sk

Areas of activities:

Architecture and urban development, landscape and garden architecture, and product design.



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 most recent scientific and research findings integrated in the departments of excellence.

Number of students: 1,872

Number of teaching staff: 153

Address:

J. Bottu 2781/25, 917 24 Trnava

www.mtf.stuba.sk

Areas of activities:

Applied informatics and automation, industrial management, material engineering, processing and application of non-metals, production machinery and systems, and production technologies.



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 being among the highest ones in the economy.

Number of students: 1,298
Number of teaching staff: 32

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

Areas of activities:
Computer engineering, data mining, informatics, information systems, security, software engineering and web onthology.



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: 141
Number of teaching staff: 32

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

Areas of activities:
Business management, entrepreneurship education, industrial economy and urban planning.

Human Resources

THE STU MANAGEMENT

Rector:

Prof. Ing. Miroslav Fikar, DrSc.

Vice-Rector for Strategic Projects and Development:

Dr.h.c. Prof.h.c. Prof. Dr. Ing. Oliver Moravčík

Vice-Rector for Education, Mobility and Students Care:

Assoc. Prof. Ing. Monika Bakošová, PhD.

Vice-Rector for Science, Research and Doctoral Degree:

Prof. Ing. Alojz Kopáček, PhD.

Vice-Rector for Cooperation with Practice:

Prof. Ing. František Uherek, PhD.

Vice-Rector for Foreign Relations and Public Relations:

Prof. Ing. arch. Ľubica Vitková, PhD.

Bursar:

Ing. Dušan Faktor, PhD.

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

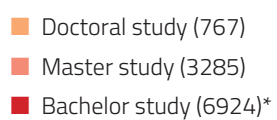
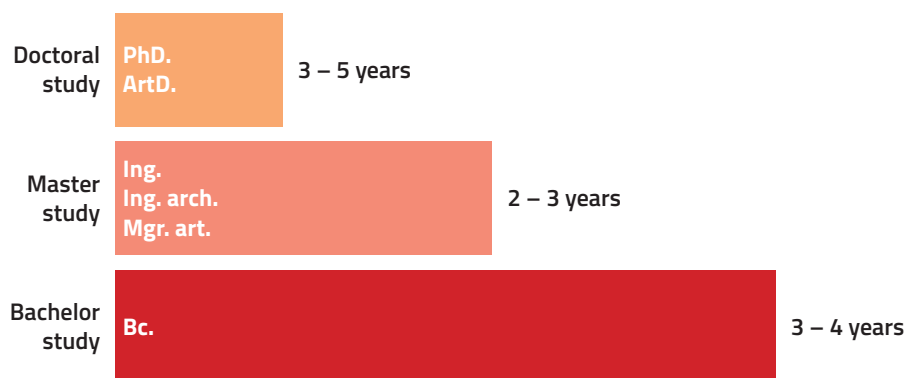
leads seminars, exercises and laboratory exercises

Assistant without PhD

gives seminars, exercises and laboratory exercises

Study

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



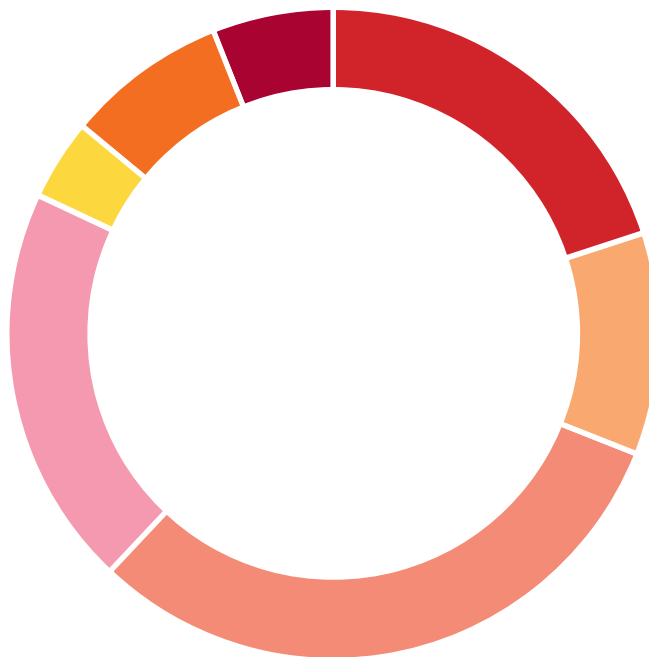
*figures 2019

Research

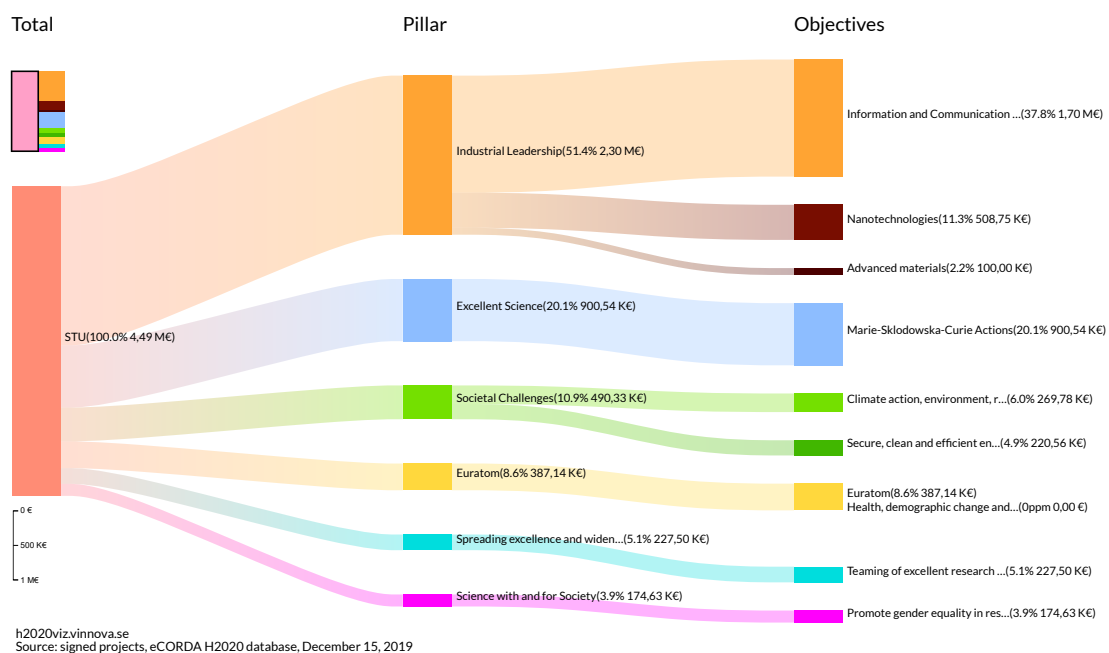
Research plays the key role in the education process. Thanks to the research, we are able to prepare well educated and highly trained experts. The STU graduates work with the up-to-date knowledge and receive hands-on experience with the advanced technologies, while discovering new knowledge and technical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

RESEARCH AREAS

- Civil Engineering (20%)
- Mechanical Engineering (11%)
- Electrical Engineering and IT (31%)
- Chemical and Food Processing Technologies (20%)
- Architecture (4%)
- Materials and Technologies (8%)
- Other (6%)



TOP RESEARCH PROJECTS



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 - Accelerating deployment and maturity 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 – 2020)

R3 - PowerUP - 300mm Pilot Line for Smart Power and Power Discretes (2017 – 2021)

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

5G_GaN2 - Advanced RF Transceivers for 5G base stations based on GaN Technology (2018 – 2021)

REACTION - first and european silicon eighT 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 – 2024)

Progressus - Highly efficient and trustworthy components and systems for the next generation energy supply infrastructure (2020 – 2024)

H2020 Energy

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

H2020 EURATOM

MEACTOS - Mitigating Environmentally Assisted 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)

H2020 HEALTH

HBM4EU - European Human Biomonitoring Initiative (2017 – 2021)

H2020 MSCA

ImageInLife - Training European Experts in Multilevel Bioimaging, Analysis and Modelling of Vertebrate Development and Disease (2017 – 2020)

GuEst - New Directions in Guaranteed Estimation of Nonlinear Dynamic Systems and Their Applications to Chemical Engineering Problems (2018 – 2020)

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

ReConDa - Reliable Predictive Control Exploiting Operational Data with Real-time Applications (2020 – 2022)





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"
Centre for Nanodiagnostics

**CAMBO
TRNAVA**

Centre of Materials Research
Centre of Automation and Informatisation
of Production Processes and Systems
Centre of Excellence of 5-axis Machining

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 ELECTRICAL ENGINEERING

Contact: mikulas.bittera@stuba.sk

INSTITUTE OF MULTIMEDIA INFORMATION AND COMMUNICATION TECHNOLOGIES

Contact: gregor.rozinaj@stuba.sk

VIRTUAL DESKTOP CLOUD CENTRE

Contact: pavel.cicak@stuba.sk,
gabriel.juhas@stuba.sk

INSTITUTE OF NUCLEAR AND PHYSICAL ENGINEERING

Contact: vladimir.necas@stuba.sk

RESEARCH CENTRE OF USER EXPERIENCE AND INTERACTION OF UXI@FIIT

Contact: pavol.navrat@stuba.sk

INSTITUTE OF AUTOMOTIVE MECHATRONICS

Contact: vladimir.kutis@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 PHYSICAL PROPERTIES OF BUILDING CONSTRUCTIONS

Contact: anton.puskar@stuba.sk

LABORATORY OF COMPOSITE BIOMATERIALS

Contact: jan.hives@stuba.sk,
marian.koman@stuba.sk, marian.janek@stuba.sk

LABORATORY OF STATICS AND DYNAMICS OF LOAD-BEARING STRUCTURES

Contact: juraj.kralik@stuba.sk

LABORATORY OF NEW MATERIALS

Contact: jan.hives@stuba.sk

LABORATORY OF BUILDING MATERIALS

Contact: stanislav.uncik@stuba.sk

RESEARCH CENTRE OF MATERIAL UTILISATION OF BIOMASS

Contact: ludovit.jelemensky@stuba.sk

LABORATORY FOR MODELING GEOSPATIAL OBJECTS AND PHENOMENA

Contact: juraj.janak@stuba.sk

PRODUCT DEVELOPEMENT RESEARCH CENTRE

Contact: peter.paliatka@stuba.sk

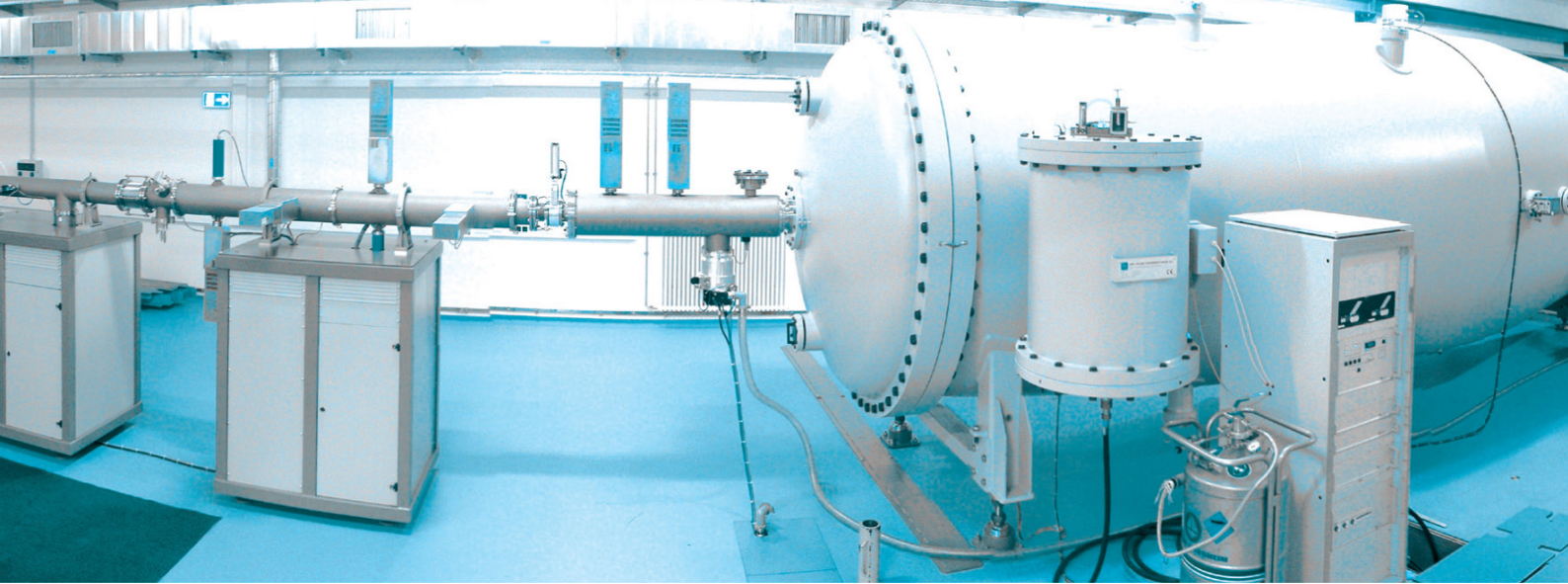
NATURAL HAZARDS MODELING AND MITIGATION LABORATORY

Contact: andrej.soltesz@stuba.sk

Centre for Nanodiagnosics

(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



CAMBO TRNAVA

Centre of Materials Research

(Materials, nanostructures and modified surfaces)

SCIENTIFIC CENTRE OF MATERIALS RESEARCH

Contact: maximilian.stremy@stuba.sk,
robert.riedlmajer@stuba.sk

Centre of Automation and Informatisation of Production Processes and Systems

(Control systems of the technology and production
systems)

CENTRE OF AUTOMATION AND ICT IMPLEMENTATION IN PRODUCTION

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



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 well 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

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

MINISTRY OF ENVIRONMENT OF THE SLOVAK
REPUBLIC

MINISTRY OF TRANSPORT AND CONSTRUCTION
OF THE SLOVAK REPUBLIC

NAFTA (Oil)

NÁRODNÁ DIAL'NIČNÁ 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 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

VODOHOSPODÁRSKA VÝSTAVBA
(Water Management Construction)

VOLKSWAGEN SLOVAKIA

VÝSKUMNÝ ÚSTAV JADROVEJ ENERGETIKY
(Nuclear Energy Research Institute)

VÝSKUMNÝ ÚSTAV VODNÉHO HOSPODÁRSTVA
(Water Management Research Institute)

www.inqb.sk

InQ^b

Univerzitný technologický
inkubátor STU

Pomáhame
startupom
rásť!



Univerzitný technologický
inkubátor STU



inkubator_inc

Univ

Nadíte si v nej "kamoša" a
prinováraajte sa mu.
Udržujte očny kontakt s
publikom. Pred prednáškou
sa zoznámte.

Zajmite pevný postoj a
spomaľte dýchanie. Na
začiatok prezentácie
zaraďte krátku pauzu na
namietať.





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

As one of few Central European universities, STU runs its own technology business Incubator focused on supporting small technological enterprises. It was established thanks to the support from the PHARE fund. Since 2005, the Incubator has been renting premises at the advantageous terms to innovative start-up companies. In addition, it provides a range of support and consulting services. So far, the Incubator has supported 74 start-up companies and hundreds of individuals.

INCUBATOR OFFERS THE FOLLOWING TWO PROGRAMMES:

The **Start-up Office** 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 can use an equipped office and benefit from the consulting services in the area of setting up a business and drafting a business plan.

The **InQb Programme** is designed for those either intending to or having already established their own innovative business focused on offering the products and services in the area of technology. During a period of three years, the incubated companies can use a wide range of benefits, including technical support, consulting and marketing services.



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 CO₂ 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





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 432 Erasmus+ agreements on international cooperation with 276 institutions from 28 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 or twelve months. They are conducted within various projects of international programmes. Since 1988, when our participating in the Programme started, 3038 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 create 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 526 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 Foundry Association
European Automobile Engineers Cooperation
European Structural Integrity Society
Federation of European Materials Societies
Fédération Internationale des Sociétés d'Ingénieurs
de Techniques de l'Automobile
European Automobile Engineers 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 and Design

European Association for Architecture Education
World Institute for Engineering and Technology
Education

Faculty of Materials Science and Technology in Trnava

Czech 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

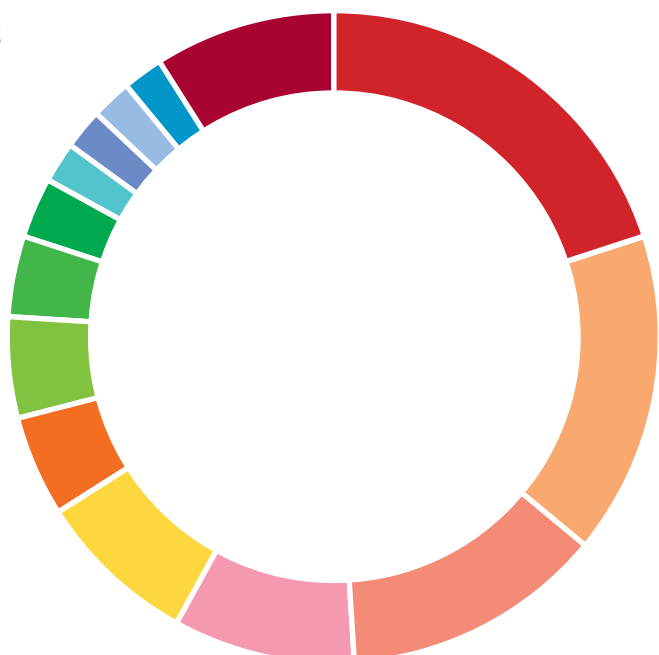
Association of European Schools of Planning
Network
Centre for Transdisciplinary Research Network
(CETIP)
Western Balkan Network on Territorial Governance
Network of Spatial Research and Planning
Institutes in Central and Eastern Europe

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
 Kanazawa University, Japan
 Karaganda State Technical University, Kazakhstan
 KU Leuven, Belgium
 Kumoh National Institute of Technology, Korea
 Kyiv Polytechnic 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
 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 à Rimouski, Canada
 University of Akureyri, Island
 University of Alberta, Canada
 University of Bergen, Norway
 University of Chemistry and Technology, Prague, 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







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 5,700 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, meaning the Mladost' (Youth) student dorm. It was built 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.



Autor fotografie: 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 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 64 active members, mostly university students. During its existence, it has developed, designed and built seven electric formula racing cars.



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