

SLOVAK UNIVERSITY OF TECHNOLOGY IN BRATISLAVA





SLOVAK UNIVERSITY OF TECHNOLOGY in Bratislava

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Vazovova 5
812 43 Bratislava
Slovakia

public@stuba.sk



EUROPE

SLOVAKIA

Slovakia – open minded country

Small country,
needs
good partners for
cooperation

5.4 million (51,5 % female)



„Even a SMALL country
can become a BIG partner“

SLOVAKIA (UNESCO Natural and Cultural Heritage)

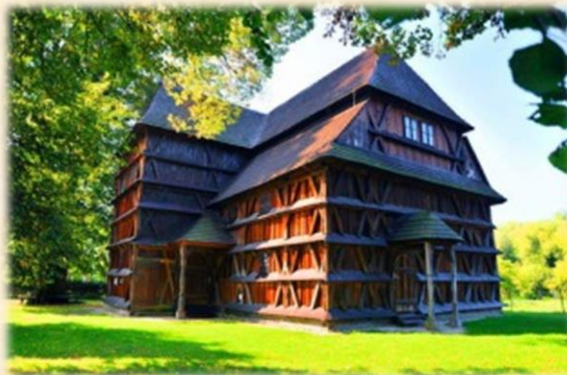


The Bardejov town conservation reserve

*The village of
Vlkolínec, with
traditional log
houses*



Wooden Churches
*of the Slovak part
of the Carpathian
Mountain Area*

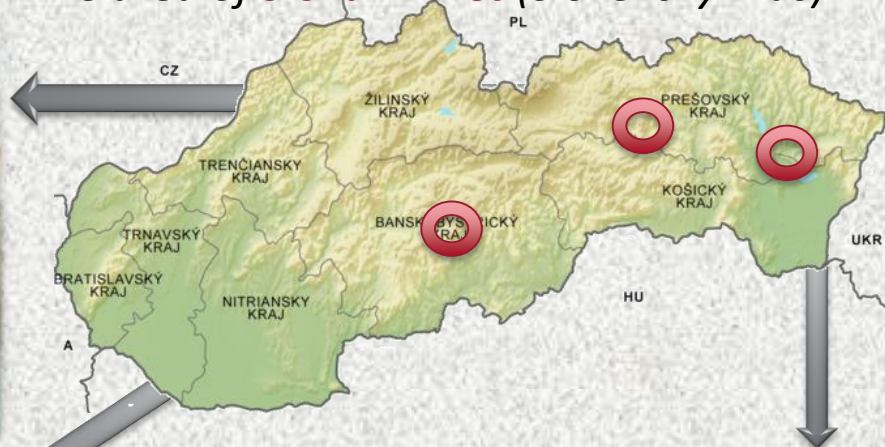


*Spišský hrad (castle)
and its associated
cultural monuments*

SLOVAKIA (UNESCO Natural and Cultural Heritage)



The area of **Slovak Karst** (Slovenský kras)



Primeval Beech Forests of the Carpathians

The historic town of **BANSKÁ ŠTIAVNICA**



Historical
City, est.
Mining and
Forestry
Academy,
1762



SLOVAKIA (culture and sport)

- *Slovak folklore*
- The most popular sport: *football*
- The most successful sport: *ice-hockey*
- *Nowdays popular: cycling*
- Wide range of sport facilities:
*cycling, hiking, skating,
water sports, tennis, golf, skiing, snowboarding*



SLOVAK UNIVERSITY OF TECHNOLOGY in Bratislava

About us



www.stuba.sk

SLOVAK UNIVERSITY OF TECHNOLOGY

in Bratislava - historical roots

1762

- Mining and Forestry Academy
under the Empress Maria Theresa
- first technical higher education institution in the world
- founded in Banská Štiavnica



1937

- University of Technology of M. R. Štefánik
 - first Slovak technical university was founded in Košice

1939 - Slovak University of Technology, Bratislava

- Branch of Construction Engineering
- Branch of Specialised Sciences
- Branch of Forestry and Agricultural Engineering
- Branch of Chemical Engineering
- Branch of Mechanical and Electrical Engineering



STUBA



Rector STU

Prof. Ing. Robert Redhammer, PhD.



President of the Slovak Republic



STU

**SLOVENSKÁ TECHNICKÁ
UNIVERZITA V BRATISLAVE**



**SLOVAK UNIVERSITY OF TECHNOLOGY IN BRATISLAVA
SLOVAKIA**

STU in numbers

Over 160 thousand graduates (1940-2017)

About 12 thousand students

About 1,599 teaching and research staff

500 research projects

294 industrial contracts

40 international educational projects

7 faculties (schools)

1 university institute

Faculties of STUBA (schools)



 **Civil Engineering**

 **Mechanical Engineering**

 **Electrical Engineering
& Information Technology**

 **Chemical & Food Technology**

 **Architecture**

 **Materials Science &
Technology in Trnava**

 **Informatics & Information
Technologies**

 **Institute of Management**



University Workplaces

Lifelong Learning Institute

University Research Park

Know-How Centre

University technological incubator

Project Centre

Multimedia Centre

Computing Centre

Publishing House

Student Houses, dormitories

Academic Sports Centre



STU



Student houses

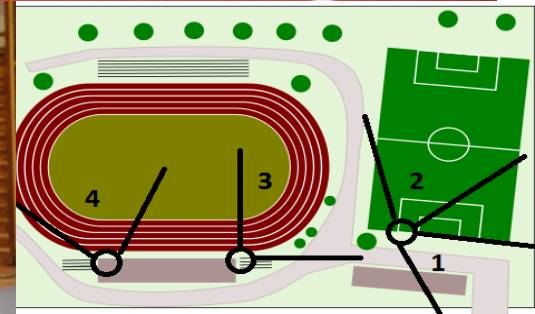


Capacity: **> 5100**
6 complex of buildings



Sport facilities, Academic Sports Centre

- Swimming pool
- Gyms
- Centre of athletics / of academic sport



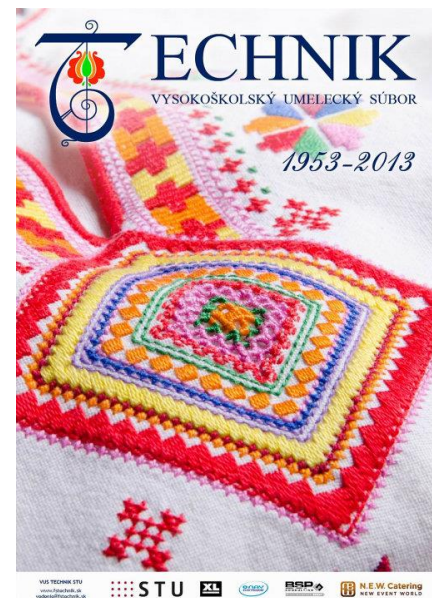
... Ján Volko

Slovak athlete, sprinter

World champion



STU folkrole Ensemble TECHNIK



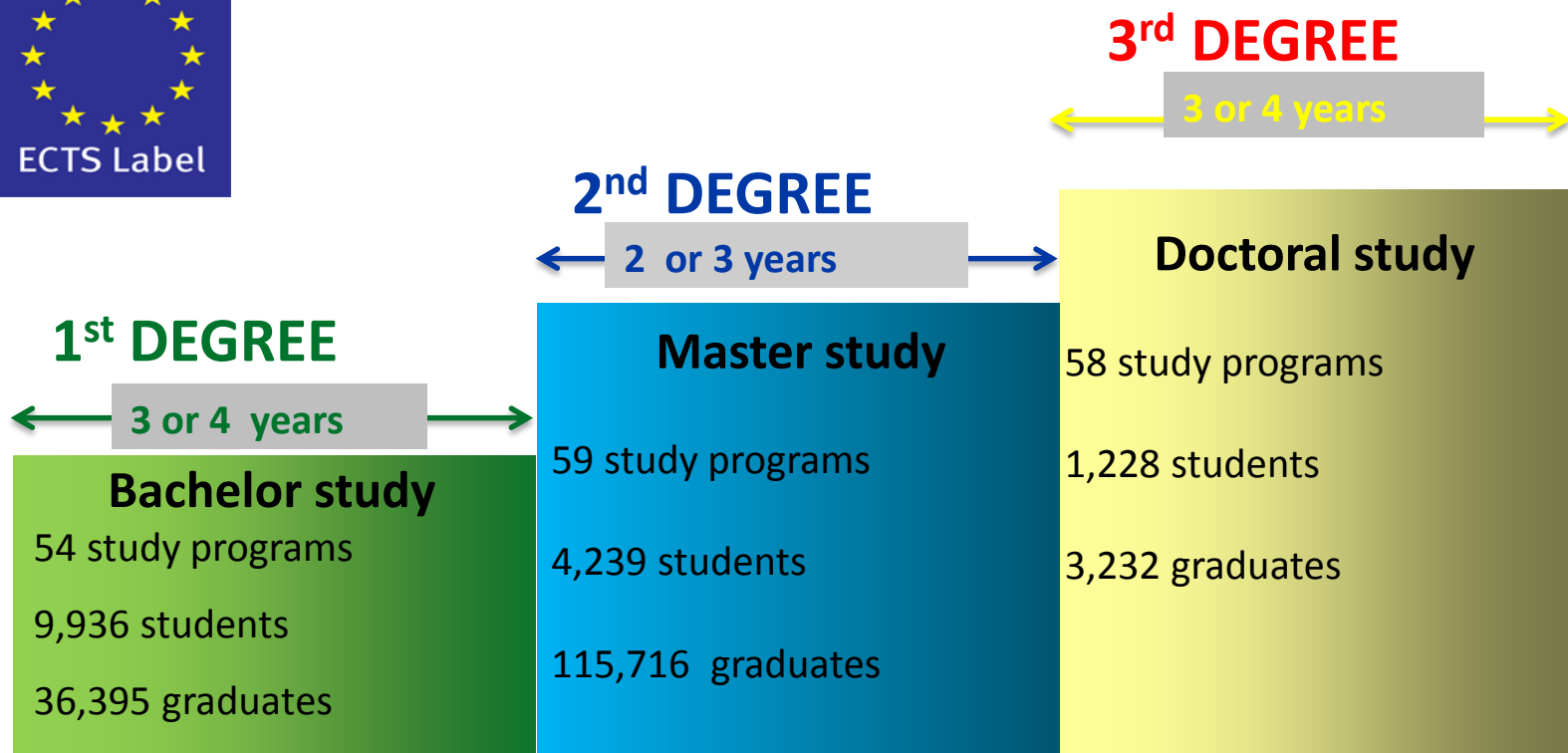
Study system, quality...

Study system

Harmonized with Bologna Declaration & European Credit Transfer System (ECTS)

ECTS Label – ECTS information package, from 2012

DS Label – Diploma Supplement (3 cycle degree study system), from 2013



System of education



**unity of education and scientific
research, engineering and arts**



**theoretical-practical learning
methods**
(link to Mining academy
in Banská Štiavnica)



**direct cooperation with industry
& strong international links**

Achievements and awards

- considered to be one of the leading academic institutions in Slovakia and Europe
- has received numerous high rankings and awards for its quality of research and teaching



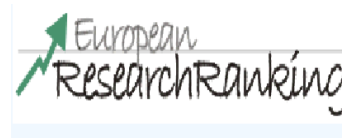
2017: Computer Science and Information Systems
600-800



2017: Times Higher Education World University Rankings
801+



2016: Academic Ranking and Rating Agency in Slovakia
2 STU faculties: best technical faculties in SK




2015: European Research Ranking
Best score in SK



ECTS Label (2012)
and **DS Label** (2013)

**2018 – International accreditation /OXFORD/ - FIIT
by British Engineering Council UK**

Achievements and awards

 **TOPUNIVERSITIES**

Rankings > Discover > Events > Prepare > Apply > Careers > Community

University search:

Study Level ▼

Subject of interest ▼

Study destination ▼

GO


OR

Site Search

Q


GO


OVERVIEW UNDERGRADUATE POSTGRADUATE MORE



Slovak University of Technology in Bratislava

📍 Vazovova 5 Bratislava [View map](#)

 Add to shortlist

 Compare

QS Global World Ranking ⓘ
#751-800

Average Fees (USD) ⓘ
<2K

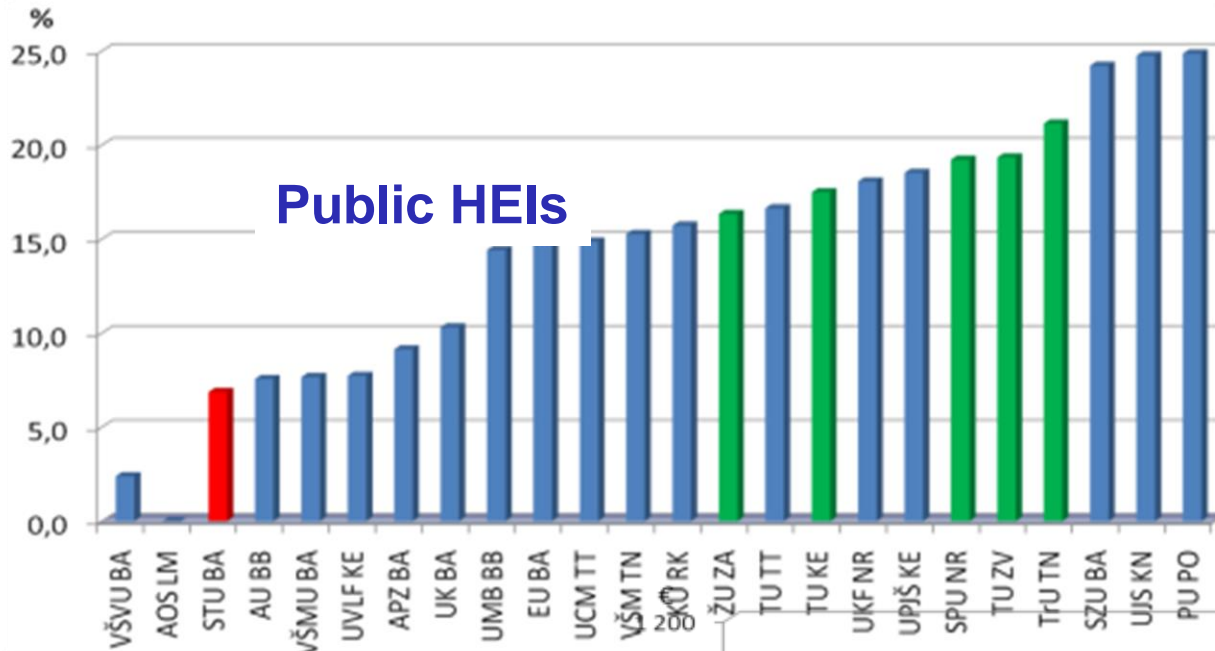
Status ⓘ
Public

Research Output ⓘ
Very High

Total Students ⓘ
12,733

Quality of graduates

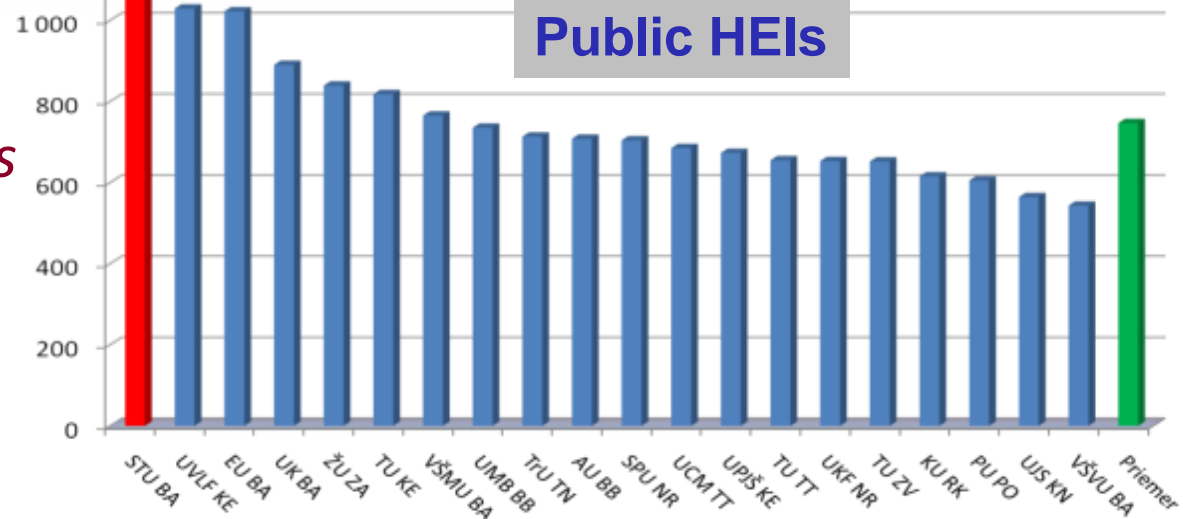
Public HEIs



The lowest unemployment % of graduates

The high salary average of graduates in Slovakia

Public HEIs



International cooperation...

International Cooperation

- based on interactive contact with educational & scientific-research institutions all over the world
- the **STU cooperates with more than 240 partnership universities and institutions** from around the world

AIMS:

- to intensify international cooperation with long-term partners abroad
- to establish new partnerships with the aim to develop the educational and scientific research activities in the European and global context

Focuses on solution of the **joint projects** within the EU framework and other international programmes, **mobility of students**, teaching **staff** and **researchers**, cooperation based on **international agreements**, **membership in international organisations**, participation, organisation and realisation of **international conferences**, seminars, **workshops** etc.



International Cooperation

> 450 International agreements

University agreements	Faculty agreements	Erasmus agreements
100	37	326



~ 120 International projects

RESEARCH PROJECTS	EDUCATIONAL PROJECTS
HORIZON2020, COST , Framework Programs, Others	LLP, Erasmus+, CEEPUS, SlovakAid, Others
86	40

Mobilities

- Erasmus +
- ICM E+
- CEEPUS, IAESTE, BEST
- National Scholarship program
- Free movers

Memberships

- European Universities Association
- European Society for Engineering Association
- others (20 institutional, > 500 individual)



Erasmus+

MOBILITY OF FOREIGN STUDENTS COMING TO STU

- (study)

MOBILITY OF STU STAFF

- (teachers & staff)

MOBILITY OF STU STUDENTS

- (study & internship)

INTERNATIONAL CREDIT MOBILITY (2016-2018)

- Cuba, China, Kazakhstan, Montenegro, Russian Federation, Sri Lanka,

INTERNATIONAL CREDIT MOBILITY (2017-2019)

- Brazil, Canada, China, Cuba, Serbia, Sri Lanka, Ukraine, Vietnam

Student leisure activities



Institute of Lifelong Learning at STU

- **Continuing Education Centre**
variety of courses and retraining
Professional MBA Automotive Industry - AMBA
(2-years distance accredited study for professionals from automotive industry)
- **Department of Technical Pedagogy**
Qualification for teaching in technical subjects
(2-years additional study for students)
- **Third Age University - silver economy support**
support to older, mature and risk groups
- **Study of foreign languages**



Research, innovations, industry...

Research at STU

„University research park STU“

project financed by EU structural Funds (Operational Program of Research and Development) in the value of 80 mil. €

- **University research park in Bratislava focused on**

Information and communication technologies, electrical engineering, automation and control systems, nanoelectronics and photonics

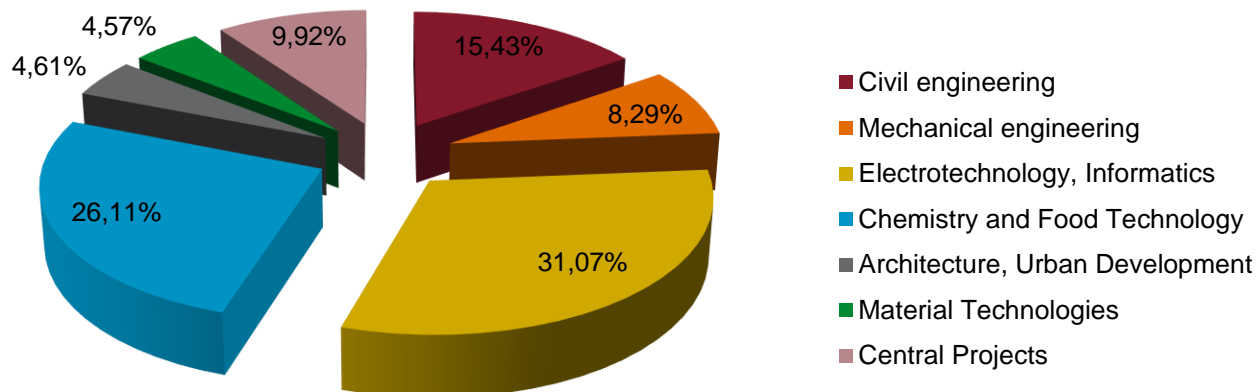
- **University research park in Trnava focused on**

material engineering, ion and plasma technology, automation and computerisation of industrial processes

Research at STU today

Research grants

600 state research projects, 107 international projects



Centres of Excellence

- **SMART – technologies, systems and services**
- **FLOOD PROTECTION systems**
- **URBAN INFRASTRUCTURE**
- **ENERGY - renewable energy sources**
- **5-AXIS MACHINING**
- **MATERIAL ANALYSIS (metal and non-metal)**
- **INDUSTRIAL BIOTECHNOLOGY**

Leading research centres and laboratories

**AUTOMOTIVE
MECHATRONICS**

**SAFE OPTIMAL
PROCESS CONTROL**

**RESEARCH CENTRE
OF USER
EXPERIENCE AND
INTERACTION**

**COMPUTER VISION
AND COMPUTER
GRAPHICS
LABORATORY**

**ELECTRONICS AND
PHOTONICS**

METAL MATERIALS

**POLYMER
MATERIALS**

**CoE ION BEAM AND
PLASMA
TECHNOLOGIES FOR
MATERIALS
ENGINEERING &
NANOTECHNOLOGY**

**SPECTROSCOPY &
THERMAL ANALYSIS**

**BUILDING
MATERIALS &
PHYSICS**

**PARTICULATE
MATERIALS**

**CENTRE FOR NANO
DIAGNOSTICS**

**APPLIED
BIOCATALYSIS**

**FERMENTATION
TECHNOLOGY**

**BIOTECHNOLOGICAL
PREPARATION OF
BIOPRODUCTS
ENRICHED WITH
BIOLOGICALLY ACTIVE
COMPOUNDS AND
ENZYMES**

**NUCLEAR
TECHNOLOGY**

**NATIONAL CENTRE
OF ROBOTICS**

**CENTRE OF
EXCELLENCE OF 5-
AXIS MACHINING**

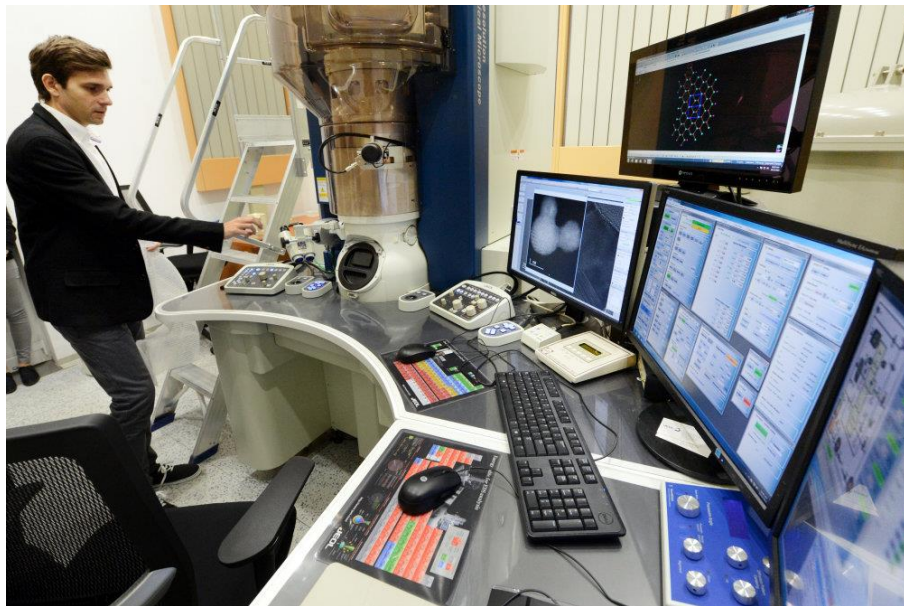
**PHYSICAL
PROPERTIES OF
BUILDING
CONSTRUCTIONS**

**BIOMASS
PROCESSING**

**PRODUCT
DEVELOPMENT
RESEARCH CENTRE**

**SPECTRA CENTRE
OF EXCELLENCE EU**

UNIVERSITY SCIENCE PARKS



ZOOM: x 150 mil - nano resolution

Electron microscope

STU

SLOVENSKÁ TECHNICKÁ
UNIVERZITA V BRATISLAVE



Research centre ESET – cyber security



*ESET DG
Richard Marko*

*Rector UK
Karol MICIETA*

*President of Slovakia
Andrej KISKA*

*Rector STUBA
Rober REDHAMMER*

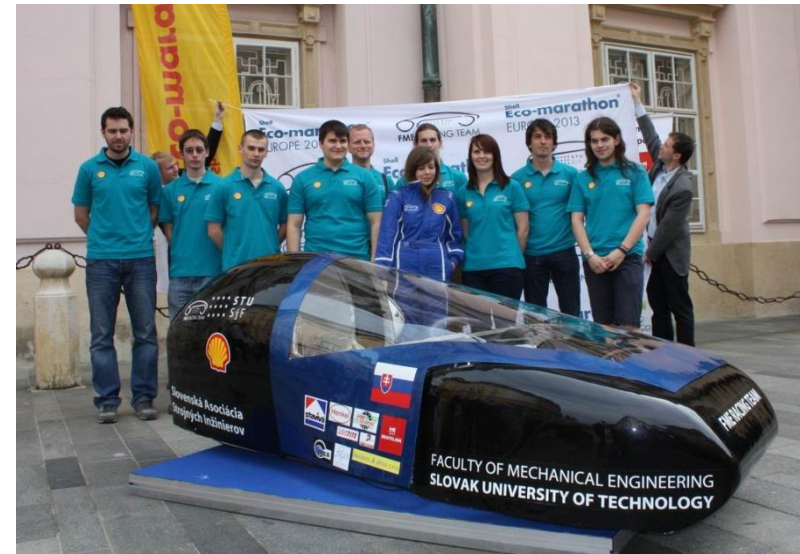
Opening ceremony



Automotive summer academy 2018



Students FORMULA



Every year a new car design



Industrial cooperation

About 300 Industrial contracts

Diploma Thesis and trainings for students

Collaborating projects

Mobility and industrial placements in European research area

Entrepreneurship support
for start-up, spin-off

STU START-UPS

University Technology Incubator & Start-up Office

Entrepreneurship awareness program

Business development consultancy

Office space and services

44 InQb companies, 43 start-ups, 5 spin-off companies

Supported SMEs





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