



# Council of Europe – EUR-OPA Major Hazards Agreement

79th Meeting of the Committee of Permanent Correspondents

May 11th, 2023

# SLOVAK UNIVERSITY OF TECHNOLOGY (STU)

## STU in numbers:








- 168 664 graduates
- 10 976 students
- 7 faculties (schools)
- 1 institute
- 740 research projects
- 400 study programmes
- 250 contractual research projects
- 116 framework agreements with foreign universities
- 90 international projects
- 1 280 teaching and research staff

## STU offers:

- 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



# STU - FACULTIES AND UNIVERSITY CENTRES

-  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 Material Sciences and Technology
-  Faculty of Informatics and Information Technologies



+ Institute of Management

## Other facilities:

Lifelong Learning Institute

STU Research Centre

Multimedia centre, Computing Centre, Publishing House,  
Student Houses, Academic Sports Centre



# RESEARCH HUB AT STU



University research park in Trnava

„**University research park STU**“: Project financed by EU structural Funds (Operational Program of Research and Development) in the value of 80 mil. €.

Major research and innovation hub disposing of the most modern infrastructure for scientific research in Slovakia. Being an integral part of the Uni, USP provides a strong foundation for science and research + enables the integration of a large number of the STU labs and partners in the European Research Area.

## Consists of:

- **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 computerization of industrial processes.

# INTERNATIONAL ASPECT

## MEMBERSHIPS:

- European University Association)
- European Society for Engineering Education
- EIT (European Institute of Innovation and Technology)
- CESAER (Conference of European Schools for Advanced Engineering Education and Research)
- others (21 institutional memberships > 500 individual)



## AWARDS:

- Erasmus+ charter 2021 - 2027
- Erasmus+ charter 2014 - 2020
- ECTS Label
- DS Label

## MOBILITIES

- Erasmus
- CEEPUS, IAESTE, BEST
- National Scholarship program

# COOPERATION WITH THE STATE

## Area of Education + Science & Research - 2022

### 2022 contracts / agreements / memoranda:

- Ministry of Interior
- Ministry of Agriculture
- Ministry of Economy (w/ Faculty of Electrical Engineering and Information Technology)
- Ministry of Defence



### AGREEMENT ON COOPERATION IN THE AREA OF SECURITY RESEARCH & CIVIL SECURITY

*based on / following:*



- ❖ following successful previous cooperation (environmental burdens)
- ❖ previously realized training programmes
- ❖ expressed need for integration of (security) research and development into national policies – newly emerging / modern threats
- ❖ declared international duties



# COOPERATION WITH THE STATE

## Ministry of Interior – Slovak University of Technology

### AGREEMENT on cooperation in the area of security research & civil security

*signed December 2022 – in force January 2023*

#### Legal base for:

- ❖ purposefully oriented security research;
- ❖ en-pointe designed training & education / public awareness;
- ❖ connection of theory with practice - state administration with the academic environment;
- ❖ application of modern knowledge of science and research into the Ministry's activities (for starters: orientation at first responders needs);
- ❖ joint international cooperation in the area of security research & civil security



*1st practical step:*

***SPECIALIZED CENTRE FOR  
TECHNOLOGICAL HAZARDS***

# SPECIALIZED CENTRE FOR TECHNOLOGICAL HAZARDS (SCenT)

## WHO ARE WE?

- Specialized workplace, recently in the process of establishment on the grounds of STU (at the moment approved by the Academic Senate of the University, to be included within the Statute as an organizational unit)
- Director & Technical supervisor: prof. Ján Híveš;

## GROUNDNS FOR OPERATING:

- Recognition by the State – legal basis created by the Agreement on cooperation in the area of security research & civil security signed between the Ministry of Interior and STU;
- Close partnership w/ State institutions (research focused on defined topics);
- Steady grounds for scientific expertise guaranteed by the University



# SPECIALIZED CENTRE FOR TECHNOLOGICAL HAZARDS (SCenT)

## WHERE DO WE SEE OURSELVES:

- orientation on technological threats (CBRN-e hazards for starters, with the potential of expansion to other areas - e.g. forest fires, study of new approaches in risk analysis and management methodology - new methods based on recent science & research knowledge...):
  - ✓ purpose oriented security research on the most recent (+*ad hoc* requested) issues related to technological hazards - project centre;
  - ✓ expert-level consultations in the preparation of strategic materials at the state level;
  - ✓ education among the population;



- update and improvement of the preparedness of intervention capacities (first responders) for more effective management of crisis events, and especially management of new threats, using the latest knowledge of science and research:
  - ✓ training for first responders: follow-up on CBRN-e training center project (CBRN academy) that has never been brought to life (for the purpose of training of first responders in the matters of dangerous substances);

# SPECIALIZED CENTRE FOR TECHNOLOGICAL HAZARDS (SCenT)

## PLANS FOR THE NEAR FUTURE:

- once up and running, the intention of internalization of the Centre and beginning of international cooperation;
- expressed interest in membership in the network of Specialized Centres of CoE – EUR-OPA Agreement – in the process;
- working within the EUR-OPA Specialized Centres Network (joint projects, exchange of experts etc.);
- working in the Region: connection to the regional web/s of similar centres or with similar interests;
- **recently opening up for new partnerships.**

# Thank you for your attention.

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