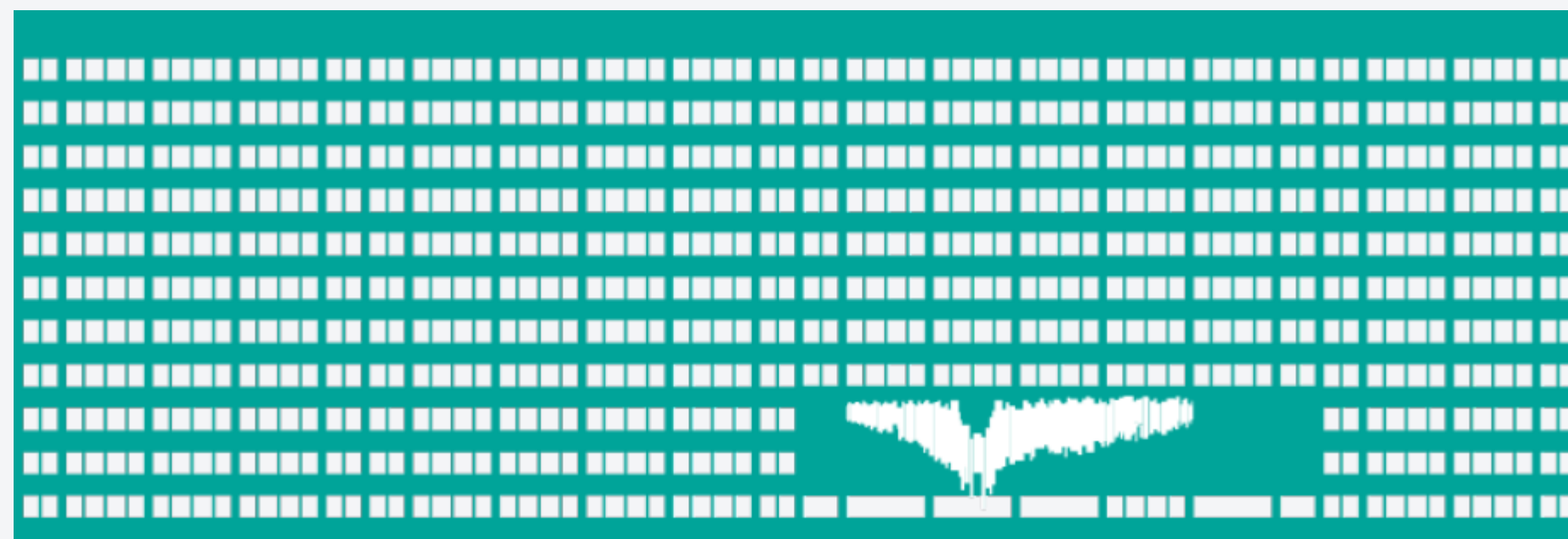


VYSOKÁ ŠKOLA BAŇSKÁ
TECHNICKÁ UNIVERZITA

AULA

**VSB TECHNICAL
UNIVERSITY
OF OSTRAVA**



STUDY FOREVER!

**170 YEARS OF RESEARCH
AND ACADEMIC EXCELLENCE**

prof. RNDr. Václav Snášel, CSc.

About us

VSB - Technical University of Ostrava draws on 170 years of research and academic excellence. We provide world-class education in 7 faculties offering Bachelor's, Master's, PhD, and exchange programmes to students.



Key figures

NUMBER OF STUDENTS

Over 11,000

Around 1,500 international students

UNIVERSITY CAMPUS

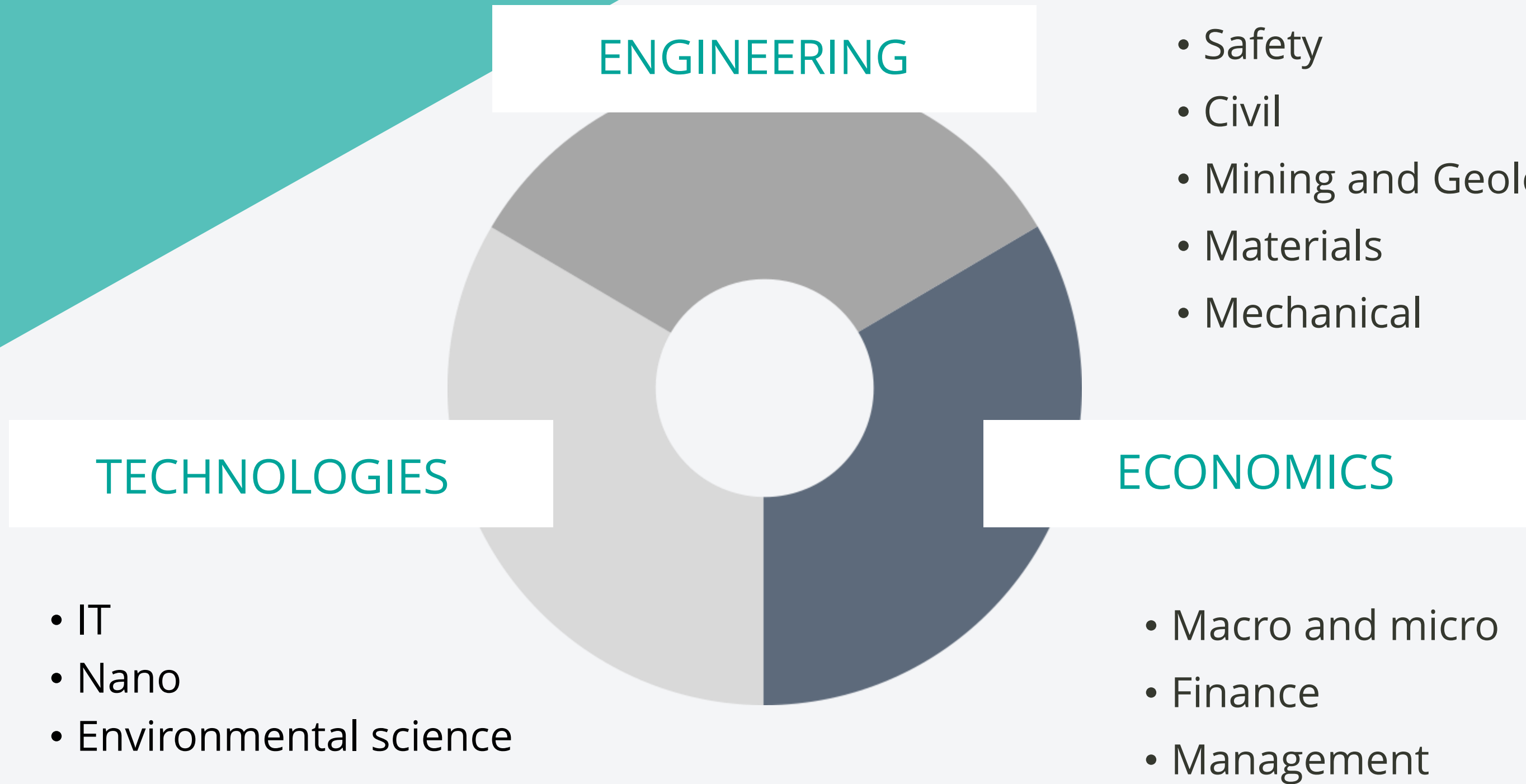
Largest in the Czech Republic

CERTIFICATION

ISO, EFQM



Major fields



7 Faculties

VSB TECHNICAL
UNIVERSITY
OF OSTRAVA | FACULTY
OF MINING
AND GEOLOGY

VSB TECHNICAL
UNIVERSITY
OF OSTRAVA | FACULTY
OF ECONOMICS

VSB TECHNICAL
UNIVERSITY
OF OSTRAVA | FACULTY
OF CIVIL
ENGINEERING

VSB TECHNICAL
UNIVERSITY
OF OSTRAVA | FACULTY
OF SAFETY
ENGINEERING

VSB TECHNICAL
UNIVERSITY
OF OSTRAVA | FACULTY OF MATERIALS
SCIENCE AND TECHNOLOGY

VSB TECHNICAL
UNIVERSITY
OF OSTRAVA | FACULTY
OF MECHANICAL
ENGINEERING

VSB TECHNICAL
UNIVERSITY
OF OSTRAVA | FACULTY OF ELECTRICAL
ENGINEERING AND COMPUTER
SCIENCE

Key Research Areas

INFORMATION TECHNOLOGIES



RAW MATERIALS AND ECOLOGY



MECHANICAL ENGINEERING

SAFETY ENGINEERING

ELECTRICAL ENGINEERING



ENERGETICS



ADVANCED MATERIALS,
CONSTRUCTIONS
AND TECHNOLOGIES



MANAGEMENT AND
MODELLING
OF ECONOMIC
AND FINANCIAL PROCESSES

SCIENCE & RESEARCH

We have been the fastest growing university in the Czech Republic in terms of science and research in the past three years.

Our University is the 2nd best university in the contractual research.

Our University is the 7th research institution in the Czech Republic.

We cooperate with the industry – that is the basis of our research.

We connect traditional branches (of mining, metallurgical and mechanical engineering industry) to new technologies such as supercomputing, nanotechnology and ecology.

We successfully build new research infrastructures from EU projects (3.5bn CZK).

Research centers

VSB TECHNICAL
UNIVERSITY
OF OSTRAVA | ENERGY
RESEARCH
CENTER

VSB TECHNICAL
UNIVERSITY
OF OSTRAVA | IT4INNOVATIONS
NATIONAL SUPERCOMPUTING
CENTER

VSB TECHNICAL
UNIVERSITY
OF OSTRAVA | INSTITUTE OF
ENVIRONMENTAL
TECHNOLOGY

VSB TECHNICAL
UNIVERSITY
OF OSTRAVA | CENTER
OF ADVANCED
INNOVATION TECHNOLOGIES

VSB TECHNICAL
UNIVERSITY
OF OSTRAVA | NANOTECHNOLOGY
CENTER

VSB TECHNICAL
UNIVERSITY
OF OSTRAVA | FACULTY
OF MINING
AND GEOLOGY | INSTITUTE OF CLEAN TECHNOLOGIES
FOR MINING AND UTILIZATION
OF RAW MATERIALS FOR ENERGY USE

VSB TECHNICAL
UNIVERSITY
OF OSTRAVA | ENET
CENTER

VSB TECHNICAL
UNIVERSITY
OF OSTRAVA | FACULTY OF MATERIALS
SCIENCE AND TECHNOLOGY | REGIONAL MATERIALS
SCIENCE AND TECHNOLOGY
CENTRE

IT4Innovations

National Supercomputing Center
European Center of Excellence

www.it4i.cz

Research Centers & Innovation



REGIONAL MATERIALS SCIENCE AND TECHNOLOGY CENTER

RMSTC prepares highly pure materials and focuses on physical and mathematical modelling of materials forming processes.



CENTER OF ADVANCED INNOVATION TECHNOLOGIES

CAIT carries out cutting-edge research and development based on long-term partnerships with a range of industrial companies.

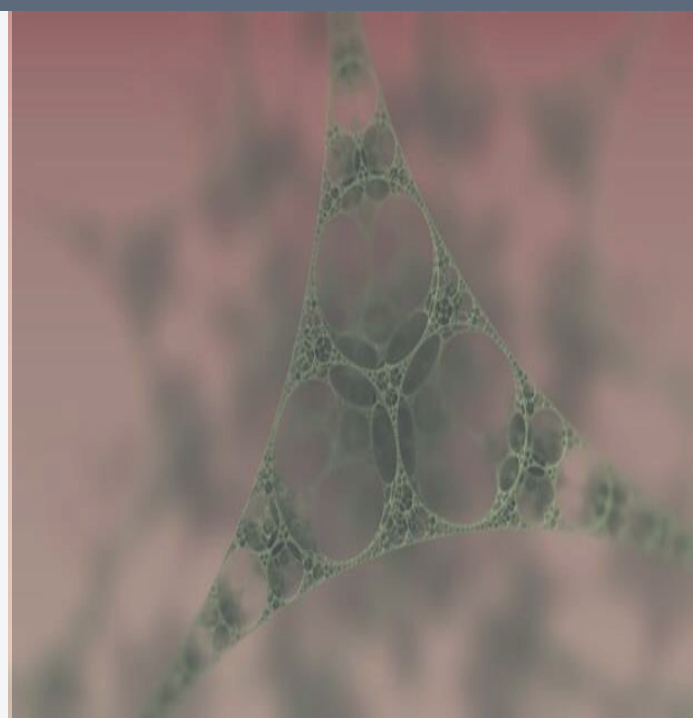
INSTITUTE OF CLEAN TECHNOLOGIES FOR MINING AND UTILIZATION OF RAW MATERIALS FOR ENERGY USE

ICT is involved in the research and development of technologies for effective ways of obtaining raw materials that would have minimal impact on the environment.



NANOTECHNOLOGY CENTER

Center conducts R&D, analytical services for industry, and education at the bachelor's, master's and PhD levels. The equipment of CNT enables the focusing of tasks related to theoretical and computational chemistry, as well as preparation and properties testing newly developed nanomaterials and composites.



Research Centers & Innovation

ENERGY RESEARCH CENTER



ERC is an educational and research facility focusing on combustion and gasification of solid fuels – especially biomass.

The general objective is modernisation of energy devices, efficiency improvement of transformation processes and environmental protection.

INSTITUTE OF ENVIRONMENTAL TECHNOLOGY



IET conducts basic and applied research in the field of waste energy recovery.

It aims to increase the proportion of students in research and innovation organised by the University.

ENERGY UNITS FOR THE UTILIZATION OF NON-TRADITIONAL ENERGY SOURCES



ENET is focused on research and development of technologies for the conversion of fuel, particularly waste and other alternative fuels for thermal and electric energy and its efficient use in machinery and compact power units.

- **Energy Sources Diagnostics Laboratory** – a workplace for diagnostics and operation of thermal power engineering equipment. The results of testing are used to support the decisions on fuel replacement and data for power engineering equipment designers. This is the only workplace in the Czech Republic with such a special diagnostics technology.

ENJOY YOUR STUDY

In addition to your study we also offer you leisure time activities. You can enjoy many cultural events and visit students clubs nearby.



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