



ABOUT THE UNIVERSITY

VSB - Technical University of Ostrava (VSB-TUO) has been linking engineering, economic, and natural science disciplines with modern study programmes that reflect the current challenges of the day for more than 170 years. Our scientists conduct basic and applied research at the top level. Thanks to our traditions and cooperation with industry, plus a number of domestic and foreign universities, across a wide range of sectors, the University provides innovative solutions in numerous fields and creates excellent conditions for the employment of its graduates.

7 FACULTIES

- Faculty of Mining and Geology
- Faculty of Materials Science and Technology
- Faculty of Mechanical Engineering
- Faculty of Economics
- Faculty of Electrical Engineering and Computer Science
- Faculty of Civil Engineering
- Faculty of Safety Engineering

RESEARCH CENTRES

- IT4Innovations National Supercomputing Center
- Centre for Energy and Environmental Technologies



ABOUT THE PHD ACADEMY

WE AIM TO BE AN INCUBATOR FOR PROMISING EMPLOYEES

The University's strategy is to build a comprehensive system of education for promising researchers with an emphasis on the development of skills that are important for the successful completion of doctoral studies and their scientific careers. To this end, the PhD Academy was established to provide courses not only for PhD students, but also for other researchers as part of lifelong learning. The acquisition of these skills by young researchers will also be reflected in their scientific performance, which will have a positive impact on the University as a whole.

WHAT CAN I CHOOSE FROM?

The PhD Academy at VSB-TUO offers educational courses focused on the effective development of soft skills for promising researchers and PhD students. These include, among others, the acquisition of the principles of publishing, bibliometrics, project management, intellectual property protection, and the ethics of scientific research.

COURSE CONCEPT

- a wide range of courses from multiple providers in the University,
- involvement of individual faculties - courses tailored according to the field of study,
- credit evaluation (dissertation seminar activities),
- web support.

COURSE CONTENT

- scientometrics and publishing (scientific databases, bibliometrics, citations, creation of professional text, impact monitoring),
- basics of scientific research (working with data, ethics of scientific research, social research methodology),
- project management (project calls, preparation of project proposals, project management in English),
- intellectual property protection,
- soft skills (presentation, communication and teaching skills).

OUR EMPHASIS IS ON

- development of scientific performance,
- career development.

SPEAKERS

- lectures from VSB-TUO,
- experts from selected scientific institutions in the Czech Republic and abroad,
- international lecturers.

The courses are held in Czech and English and a certificate is awarded upon successful completion. There is also the possibility of obtaining dissertation seminar credits.



SYSTEM OF SUPPORT SERVICES

THE UNIVERSITY INTERNATIONAL OFFICE

- comprehensive advice about study stays abroad,
- support and promotion of study stays abroad,
- active involvement in the U!REKA alliance of European universities.

SUPPORTING ACTIVITIES FROM THE CENTRAL LIBRARY OF VSB-TUO

- creation of a doctoral section on the Central Library's blog,
- development of the science and research support section on the Central Library's website,
- acquisition of literature for scientific writing.

THE COUNSELLING CENTRE

- support services for students with special needs,
- social integration of students with special needs and specific learning difficulties,
- supporting the integration of PhD students with special needs and specific learning disabilities into academic life.

THE „INFO DAY“ EVENT

- informal discussion meetings about goals, expectations and plans with the establishment of the PhD Academy at VSB-TUO.



VSB-TUO CAREER CENTRE

- connects students, university and employers,
- helps students to find their dream job or internship.

CAREER CENTRE SERVICES

- career+ job fair,
- mock interviews,
- workshops and webinars,
- individual coaching and much more.

THE FIP ACADEMY

The FIP Academy, which is one of the sub-activities of the Fraunhofer Innovation Platform for Applied Artificial Intelligence for Materials & Manufacturing at VSB - Technical University of Ostrava, is an intellectual platform that aims to connect the scientific and research staff of all the partner institutions involved (Fraunhofer Institute for Chemical Technology ICT, Fraunhofer Institute for Machine Tools and Forming Technology IWU and VSB - Technical University Ostrava) in the form of regular online seminars focused on current professional topics. Researchers have a great opportunity to present their activities and research results, and at the same time to learn about the projects and scientific findings of their colleagues and to gain awareness of current and possible future joint projects.

Ph.D. STUDENT

Graduates of doctoral studies are prepared to handle the most challenging tasks of applied science and its practical application. A prerequisite for admission is the completion of a master's degree in the same or a related field.



DOCTORAL STUDIES

- the standard duration is three or four years,
- VSB-TUO offers full-time and part-time doctoral study programmes,
- the degree is completed by a state doctoral examination and the defence of the dissertation,
- graduates receive the academic degree of Doctor of Philosophy (PhD) and are prepared for furthering their scientific careers,
- doctoral student's personal study plan.

THERE ARE TWO SECTIONS TO THE DOCTORAL PROGRAMME:

- the study section**
 - completed by the state doctoral examination.
- the scientific and professional section**
 - focused on the preparation of the dissertation, and is completed by its defence,
 - active participation in projects and complementary activities,
 - publication of original articles in journals and at professional conferences and seminars,
 - active participation in an international conference/seminar in English.

CENTRAL LIBRARY

Do you think that a library is a rarity in today's age of the internet? A library serves as an educational and cultural centre, offering not only specialist literature (print & electronic) but also a wide range of useful services and courses that may considerably streamline your studies, and help you start your scientific career. At workshops and seminars, organised by the library, you will learn how to search for literature, conduct research, cite sources correctly, report your research activities, and much more.

SUPPORT FOR SCIENCE AND RESEARCH

- plagiarism checks,
- assessment of quality of journals suitable for publication,
- monitoring publication activity,
- assistance in the reporting of R&D results.

PROMOTING ACCESS TO SCIENTIFIC INFORMATION

Open Access//DSpace//ORCID

TOOLS, SYSTEMS, DATABASES

Citace PRO Plus//Writefull//Similarity Check EDS//Scopus//Web of Science//OBD



RESEARCH CENTRES

VSB-TUO supports the emergence of new technologies and innovation strategies. There are two major research institutes - the IT4Innovations National Supercomputing Center (IT4Innovations) and the Centre for Energy and Environmental Technologies (CEET), which are not only engaged in basic and applied research, but also in the subsequent commercialisation of the results.



CEET

The Centre for Energy and Environmental Technologies (CEET) is a higher education institute at VSB-TUO, which was created by merging the university institutes - the Nanotechnology Centre (CNT), the Energy Research Centre (VEC), the ENET Centre (CENET) and the Institute of Environmental

SCHOLARSHIPS

THE FOLLOWING SCHOLARSHIPS MAY BE AWARDED TO STUDENTS OF VSB-TUO:

- scholarships for students of doctoral study programmes,
- accommodation scholarships,
- social scholarships,
- extraordinary scholarships.

PROJECTS AND GRANTS

Projects and grants are an important element in supporting science and research. They are the main source of funding and an important motivating factor for researchers.

INTERNAL STUDENT GRANT COMPETITION

The Student Grant Competition (SGS) uses funds earmarked to support specific university research. It is used to cover the costs of projects within the research and development activities of students in doctoral and master's degree programmes.

RESEARCH FUNDING OPPORTUNITIES

Options for funding scientific research and other activities:

- CZECH SCIENCE FOUNDATION (GACR)
- TECHNOLOGY AGENCY OF THE CZECH REPUBLIC (TA CR)

There are a number of other grant opportunities. The Project Support Centre at VSB-TUO assists with the preparation of project applications for grants from national and international sources.

Technology (IET). The Centre focuses on research and development of new methods, materials, and technologies for modern, low-carbon and sustainable energy, and environmental issues in line with strategic documents at both national and international levels. Experts share unique laboratory facilities, collaborate with partners from industry, and other research organisations.

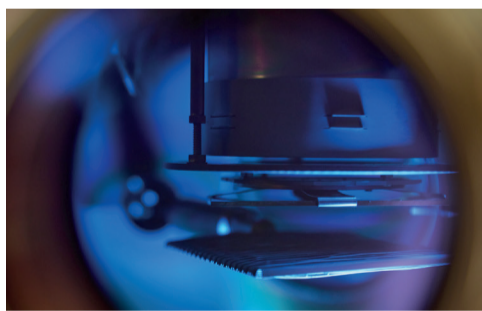


IT4I

The IT4Innovations National Supercomputing Centre is the leading research, development, and innovation centre in High Performance Computing (HPC), Data Analytics (HPDA), Artificial Intelligence (AI) and their applications to other scientific fields, industry and society. IT4Innovations operates the most powerful supercomputing infrastructure in the Czech Republic. IT4I,

SCIENCE AND RESEARCH

VSB-TUO is a university that carries out a significant part of its research activities in cooperation with industrial partners, focusing on the specific problems faced by industry and society. High-quality basic, focused, and applied research is a priority, that represents a founding pillar for the future functioning and development of the entire institution. Scientists not only bring new knowledge in specific technical and economic fields, but also respond to societal problems and contribute to their solutions. The University is a key element in the transformation process and development of the Moravian-Silesian Region.



together with CESNET and CERIT-SC institutions, form e-INFRA CZ, a strategic research infrastructure in the Czech Republic. This infrastructure is listed in the Roadmap of Large Research Infrastructures for Research, Experimental Development, and Innovation of the Czech Republic, which is compiled by the Ministry of Education, Youth and Sports of the Czech Republic.



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PhD Akademie VŠB-TUO