



Lodz University
of Technology



WYDZIAŁ
MECHANICZNY

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Lodz University of Technology

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UNIVERSITY AUTHORITIES



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D.Sc. Vice-Rector
for Student Affairs

WHAT MAKES US UNIQUE?

Lodz University of Technology is one of the best technical universities in Poland. It is proud to have been educating engineers for 75 years. Over 120,000 well educated graduates are the fruit of the work of several generations of well-prepared staff: teaching, research and technical staff, as well as professional administrative support.

We are a dynamic technical university with an established structure, we provide education to over 13 thousand students and employ 2.7 thousand staff. Teaching is delivered at nine faculties. In addition, there are many extra organizational units on the campus. They include venues for inter-departmental education, sports and recreation, entertainment and a variety of organizations enriching student life.

Lodz University of Technology, unlike other Polish universities, has a 32-hectare campus in the heart of the city, modern pavilions as well as revitalized, post-industrial buildings surrounded by lush greenery. Former villas and palaces of industrialists of a bygone era next to steel and glass structures.

We are an attractive partner for business in the region. We cooperate with the largest companies in the country and abroad. We conduct scientific research of the European standard, we create new technologies and inventions in cooperation with the best scientific establishments all over the world.

Lodz University of Technology is open for the local community, not only for young adult students, but also for children, youth and seniors. All can benefit from our rich educational offer.

In 2016, TUL received, as the first technical university in Poland, the HR EXCELLENCE IN RESEARCH badge which confirms that the university adheres to the principles of the "European Charter for Researchers" and the "Code of Conduct for the Recruitment of Researchers". Having this badge increases the visibility and appeal of the university as a project partner in the European research area.

In 2017, a modern facility was put into operation - Lodz Sports and Education Centre - "Zatoka Sportu" TUL Campus with the only 50-meter Olympic swimming pool in the region with the area of 1,282 square meters, a 30-meter swimming pool with the area of 750 square meters, which makes it suitable for training sessions and competitions in water jumping, synchronous swimming and water polo. Adjustable pool floor ensures that the pool can be used for swimming lessons and rehabilitation.

13 thousand students
2.7 thousand employees
120 thousand graduates
75-year long tradition



HR EXCELLENCE IN RESEARCH





In 2018, a multifunctional hall for team games, martial arts, squash, fitness, and strength training gyms, and a climbing wall were put into operation at the "Zatoka Sportu".

TRANSFER OF SCIENCE TO INDUSTRY

For many years now, Lodz University of Technology has been implementing an intellectual property management policy focused on effective transfer of innovative technologies to the economy and achieving financial profits on intangible assets.

The mechanisms of commercialization developed and continuously improved at the University made it possible to effectively market many R&D solutions by selling them or granting licenses for their use. Our university successfully transfers innovative technologies to business by establishing spin-off companies, initiating and supporting academic entrepreneurship among academic staff, doctoral researchers, and students.

EDUCATIONAL PROGRAMS FOR THE LOCAL COMMUNITY

Lodz University of Technology is open to the entire local community. It provides an opportunity to benefit from the knowledge and experience of its lecturers and the University premises and laboratory facilities. The curriculum is suited for every audience, from the youngest to the most senior.

The University offers a wide range of services for seniors. Since 2006, the University of the Third Age (UTW) has been operating at TUL. It was established to include older people in the system of lifelong learning and to enable their further intellectual and psychophysical development. Currently, over 700 students attend UTW.

In 2007, a General Secondary School was established at the university. The majority of its graduates go on to become our students.

In 2008, the Children's University of Lodz was established for children aged 7-12 - the first one in Poland to operate at a technical university. It is where children develop their sense of curiosity about the world and explore the secrets of technical knowledge in a straightforward and fun way.

Children's University of Lodz
Third Age University
Secondary School of Lodz
University of Technology



INTERNATIONALIZATION

Internationalization is one of the foundations of Lodz University of Technology strategic agenda for research, education, and other activities carried out in cooperation with the social and economic environment. The commitment to ensuring a relevant level of international involvement has been demonstrated by the 25-year period of successful activity of the International Faculty of Engineering (IFE). IFE is an innovative facility well-known globally, which provides education in 16 technical fields of study with English as the language of instruction and one taught in French and English.

In 2017, a new unit was established at Lodz University of Technology - the Centre for International Cooperation, whose main task is to implement dynamically the strategy of internationalization of the university and to reinforce the position of Lodz University of Technology as an innovative academic institution on the map of the European Higher Education Area.

More than 400 foreigners are currently studying at the University. Students are offered the opportunity to earn double diplomas under partnership agreements with universities in France, Germany, China and Ukraine. TUL is one of the leaders in student exchange under the Erasmus+ programme and proudly holds the title of a "Mobility Friendly University". It is also a frontrunner in terms of the number of student mobilities for long-term international summer internships under the IAESTE programme. TUL's doctoral students also participate in the bilateral international exchange.

Since 2000, Lodz University of Technology has been the national coordinator of the Baltic University Programme, bringing together over 60 universities in Poland. International cooperation between the university and its partners in scientific and research programmes and student exchange involves more than 520 institutions in 65 countries, more than 200 of which are TUL's strategic partners.

The University carries out many projects in cooperation with international partners. In 2017, IFE, in cooperation with the French Embassy in Poland and the International Association Agence Universitaire de la Francophonie (AUF), launched a prestigious and long-term project of the French Academy of Young Engineers (FAMI), involving young people in international projects based on new technologies and social challenges. Lodz University of Technology is a member of the European Association of Engineering Education, which focuses on the issue of engineering education in Europe. It is also the only institution represented in the Cluster of Industrial Biotechnology (CLIB2021) - an organization associating large industrial enterprises and scientific centres, with significant impact on the development of the global bioeconomy.

Lodz University of Technology is one of three Polish universities that have undergone an international institutional evaluation under the EUA Institutional Evaluation Program and may use the EUA - IEP quality label recognized throughout Europe. Having been awarded it increases the attractiveness of the University in the European Research Area.

In 2020, TUL was the first university in Poland to be granted international accreditation by the French accreditation body HCERES for the period of five years. The panel of experts from the High Council for the Evaluation of Research and Higher Education rated highly the rich educational offer of TUL, adapted to the needs of the job market, as well as the university's efforts to refine its curricula.

Internationalization is of crucial importance for the improvement of professional competences of Lodz University of Technology staff. The University is committed to improving the quality of university management, which implies satisfactory results of its efforts in seeking international accreditation.





STRONG POSITION IN RANKINGS

In the 2020 "Perspektywy" magazine ranking of universities and colleges, we are ranked fourth among technical universities and eighth among public universities in Poland. We are the fifth most popular university in Poland according to the Ministry of Science and Higher Education's report.

In the recent year, Lodz University of Technology has been listed in the most prestigious international rankings. It was among 14 Polish universities classified in the international ranking Times Higher Education World University Rankings 2020, among 15 Polish universities classified in the QS World University Rankings 2020, and among 33 Polish universities included in the US News Best Global Universities Rankings 2020. Furthermore, in 2020, Lodz University of Technology was for the second time classified by Center for World University Rankings (CWUR) based in the United Arab Emirates. In the CWUR, TUL was among 35 Polish universities and took 20th place in this group. Also in 2020, as one of only 6 Polish universities, it was ranked in the Round University Rankings (RUR).





ORGANISATIONAL STRUCTURE OF THE UNIVERSITY

Lodz University of Technology is a dynamic higher education institution with a highly evolved structure. Students study at nine faculties, however, the University comprises other organisational units where interfaculty education is provided, sports and social activities take place, and other student services are delivered.

Faculty of Mechanical Engineering

Faculty of Electrical, Electronic, Computer and Control Engineering

Faculty of Chemistry

Faculty of Material Technologies and Textile Design

Faculty of Biotechnology and Foods Sciences

Faculty of Civil Engineering, Architecture and Environmental Engineering

Faculty of Technical Physics, Information Technology and Applied Mathematics

Faculty of Management and Production Engineering

Faculty of Process and Environmental Engineering

Faculty of International Engineering (IFE)

Spatial Economy College

Logistics College

Commodity Science College

The Library

University IT Centre

Centre of Mathematics and Physics

Foreign Languages Centre

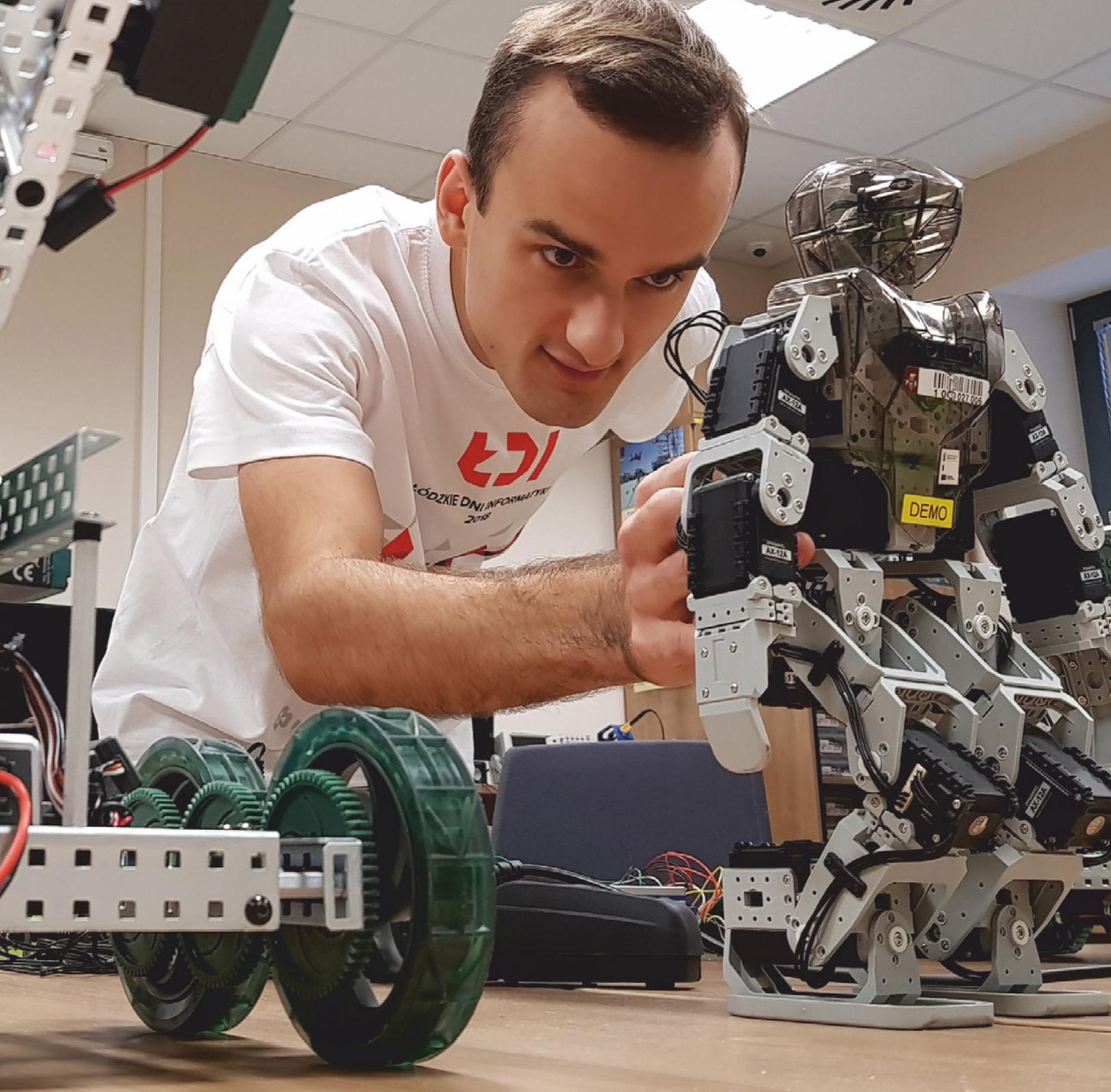
Sports Centre

Informational Technology Centre

Academic Sports and Teaching Centre - Sports Bay

Center of Papermaking and Printing

9 faculties
8 interfaculty centres
3 colleges



FACULTY OF MECHANICAL ENGINEERING

The Faculty is proud to be a hive of innovation. It has made a considerable contribution to the development of technical training in Poland and today it is one of the best faculties of mechanical engineering in the country. The many years of research into advanced technologies have resulted in the development of a technology for production of polycrystalline graphene; a device for continuous real-time control of surface quality during abrasive-blasting treatment; measurement micromanipulator for measuring hip bone displacement during hip replacement procedure. New solutions for Eurocopter's X3 hybrid helicopter have also been developed, which allowed the machine to claim the unofficial speed record in helicopter level flight by reaching the speed of 472 km/h. Included in the portfolio of the Faculty's successes are its student scientific circles which, owing to the implementation of advanced research projects (HyperLoop, Eco Shell Marathon, Solar Challenge, and Generative Urban Small Turbine) generate future human capital for the Faculty.

ul. Stefanowskiego 1/15
90-924 Łódź
tel. 42 631 22 00
www.mechaniczny.p.lodz.pl

FACULTY OF ELECTRICAL, ELECTRONIC, COMPUTER AND CONTROL ENGINEERING

Electrical equipment and installations, electronic industrial and common use devices, automatic control systems, robots, telecommunication and IT systems, computers and their software are an integral part of our civilization. "Elektryczny" is the largest faculty of Lodz University of Technology. It offers inżynier, magister inżynier and doctoral degree programmes in technical sciences. Its graduates are in demand in all branches of the economy, health care and administration. Faculty researchers create innovative solutions, examples of which include: a system facilitating mobility of the visually impaired in the terrain, human-computer interfaces, robots for various tasks, e.g. rehabilitation, textronic systems for monitoring physiological parameters, methods enhancing diagnostic imaging in medicine, mobile military robots for reconnaissance and mine detection, participation in great experiments in nuclear physics, renewable energy sources, and energy storage. The Faculty also runs a number of innovative projects addressed to secondary school students, including competitions in physics, mathematics, and computer science, which enjoy great popularity.

ul. Stefanowskiego 18/22
90-924 Łódź
tel. 42 631 25 02
www.weeia.p.lodz.pl

FACULTY OF CHEMISTRY

The Faculty is recognized in Poland and abroad as a strong scientific and teaching institution. It has state-of-the-art equipment which ensures that research in the fields specified in the Regional Innovation Strategy of the Łódzkie Voivodeship LORIS 2030 is conducted to the best standards and on technologies of key importance for the development of the region, including: nanotechnology and functional materials, special polymer and hybrid materials, innovative building materials, natural and synthetic chemical compounds with therapeutic or diagnostic potential, modern optical and laser diagnostics techniques, environmental chemistry, chemical analytics, biomass conversion into valuable chemical compounds and fuels. Apart from traditional fields of study such as: chemical analysis, chemistry and chemical technology, the Faculty also offers interdisciplinary training in nanotechnology, chemistry in construction and forensics.

ul. Żeromskiego 116
90-924 Łódź
tel. 42 631 31 00
www.chemia.p.lodz.pl

FACULTY OF MATERIAL TECHNOLOGIES AND TEXTILE DESIGN

The Faculty trains specialists in design, technology, evaluation and marketing of textiles for industry, research institutes, and business. New interactive fabrics and new technologies of woven and knitted fabrics production are created here. The latest generation of dressing materials and hybrid alginate-based implants for bone regeneration are also under development. The Faculty has designed, among others, a textronic technology for electro stimulation of human limb muscles, textile electrodes made of conductive materials. A prototype therapeutic underwear for women has been proposed to support the prevention and treatment of lower urinary tract infections. Textile charger for electronic devices is being developed. The Faculty also trains design specialists and cooperates with the world of fashion designers.

ul. Żeromskiego 116
90-924 Łódź
tel. 42 631 33 00
www.style.p.lodz.pl







FACULTY OF BIOTECHNOLOGY AND FOOD SCIENCES

As the only faculty in universities of technology, it harmoniously integrates three fields of knowledge: biological sciences, chemical sciences, and engineering and technical sciences with a view to improving technological processes in the food industry, biotechnology, and environmental protection. Dynamic advancement of research in the field of food and nutrition technology goes hand in hand with the development of cooperation with natural sciences universities and many food industry enterprises. Evidence of advanced research in biotechnology is provided by the development of a method for the production of dressings, hernia meshes, tubes and implants from bacterial cellulose. The Faculty has also developed a method for biogas contaminants bioconversion in the presence of oxygenated derivatives of nitrogen. On a semi-technical scale, an innovative system for biological desulfurization of biogas was developed and installed at the Group Wastewater Treatment Plant in Łódź.

ul. Wólczańska 171/173
90-924 Łódź
tel. 42 631 34 00
www.binoz.p.lodz.pl

FACULTY OF CIVIL ENGINEERING, ARCHITECTURE AND ENVIRONMENTAL ENGINEERING

In the rankings of degree programmes run by public universities of technology, TUL's degree programme in civil engineering is ranked fifth, while in architecture it is ranked sixth. Both programmes are accredited by the prestigious Technical University Accreditation Committee (KAUT) and the European Network for Accreditation of Engineering Education (ENAE). During their studies, students learn the skills of designing building structures, engineering structures, building installations, urban planning, architectural and interior design. They learn about the problems of revitalization, building and urban complexes revitalization. The Faculty carries out theoretical and experimental studies on structural elements and their reinforcement with the application of polymer composites, among others. Durability of building components in chemically and thermally aggressive environments is tested. Students participate in this research and develop their interests in a dozen or so scientific circles, and they also participate in international exchange schemes.

al. Politechniki 6
90-924 Łódź
tel. 42 631 35 00
www.bais.p.lodz.pl





FACULTY OF TECHNICAL PHYSICS, INFORMATION TECHNOLOGY AND APPLIED MATHEMATICS

The Faculty employs specialists in a variety of fields of science, and though their research work is application-oriented, it has solid theoretical underpinnings. Research in information technology is focused on artificial intelligence methods, designing expert systems, modelling and simulation, data mining, signal and image processing, computer graphics, multimedia and computer networks. The resultant projects are geared towards practical applications in industry, medicine, heritage conservation, and distance learning. In the field of physics, software for advanced optimization and design of semiconductor laser structures has been developed. Research in applied mathematics includes effective control of drug therapy in neoplastic disease, and more general problems of modelling in biology. An important achievement has been proving the existence of classical solutions to fragmentation coagulation equations. New risk-switching models have been introduced into ruin theory and their properties have been studied. Optimal rules of risk sharing between the insurer and the reinsurer have been found in several models describing reinsurance. New types of insurance premiums have also been developed.

ul. Wólczajska 215
90-924 Łódź
tel. 42 631 36 03
www.ftims.p.lodz.pl

FACULTY OF MANAGEMENT AND PRODUCTION ENGINEERING

The Faculty conducts research in the areas of management, production engineering, papermaking and printing. Excellent scientific achievements have been confirmed by the "A" scientific category, which earned the Faculty a place in the elite group of the top five technical faculties of management in Poland. The Faculty responds to the needs of entrepreneurs by providing a broad range of degree programmes taught in Polish, English and French. In 2018, in cooperation with the Business Council operating at the Faculty, unique dual studies were launched. The Business Council operating at the Faculty brings together members of management boards of the largest companies in the Łódź region. Cooperation in this field resulted in elite student internship programmes: Diamond and Amber Internships for the best students. The majority of classes are delivered by representatives of the business world. The Faculty is the only one at TUL to have implemented the ISO 9001: 2015 system encompassing research and development, education and services. For 10 years, the Department has been running a unique "Manager Certification" scheme for Łódzkie Voivodeship in cooperation with the 500 Club, whose aim is to validate the competence of managers from the region.

ul. Piotrkowska 266
90-361 Łódź
tel. 42 631 37 68
www.wzip.p.lodz.pl



FACULTY OF PROCESS AND ENVIRONMENTAL ENGINEERING

It is a scientific unit that actively promotes the advancement of industrial technologies and environmental projects, their safety and mitigation of environmental impact, with particular emphasis on combating climate change. The training is provided in three fields of study at one of the most cutting-edge teaching and research facilities in Poland. The Faculty carries out research related to major environmental engineering problems such as: water treatment and sewage treatment, reduction of emissions of harmful gases and dusts into the atmosphere, waste management, processing and effective use of biomass, energy efficiency of buildings and smart city solutions. As regards occupational safety, strategies are developed for safe operation of industrial manufacturing and warehousing facilities. The National Centre of the Baltic University operates at the Faculty, which coordinates the work of about 60 Polish and foreign universities, runs educational programmes for students and promotes the idea of sustainable development.

ul. Wólczańska 213
90-924 Łódź
tel. 42 631 37 00
www.wipos.p.lodz.pl

SPATIAL ECONOMY COLLEGE

The Spatial Economy College is a teaching unit operating based on the agreement between the Faculty of Civil Engineering, Architecture and Environmental Engineering and the Faculty of Management and Production Engineering. The College runs four-year full-time first-cycle degree programs in Spatial Economy which end with the award of the inżynier degree. The programme of study is interdisciplinary and was designed to combine knowledge in the area of spatial organization of the socio-economic development with engineering, natural sciences, economics and sociology. The programme fits into three branches of science, namely technical sciences (architecture and urban design, geodesy and cartography, environmental engineering, civil engineering), natural sciences (geography, environment protection), and social sciences (economics, management science, sociology). Graduates with a degree in spatial economy have the qualifications to work in local and central government administration agencies, urban planning and design offices, development agencies, consulting firms, and other businesses.

al. Politechniki 6
90-924 Łódź
tel. +48 42 631 35 00
www.bais.p.lodz.pl



LOGISTICS COLLEGE

An interfaculty unit of the Lodz University of Technology created by two of its faculties: the Faculty of Technical Physics, Information Technology and Applied Mathematics and the Faculty of Management and Production Engineering. First-cycle, full-time degree programme in Logistics offered at the College takes 3.5 years and ends with the award of the degree of inżynier. In the course of their study, students may choose one of the two specializations: logistics management or information systems in logistics.

ul. Wólczajska 215
90-924 Łódź
tel. +48 42 631 39 62
www.ftims.p.lodz.pl

COMMODITY SCIENCE COLLEGE

TUL's Commodity Science College is an interfaculty unit established owing to the efforts of four of the University's Faculties: the Faculty of Management and Production Engineering, the Faculty of Material Technology and Textile Design, the Faculty of Chemistry and the Faculty of Biotechnology and Food Sciences. The four-year, first-cycle degree program in Commodity Science is interdisciplinary in nature and ends with the award of the degree of inżynier. Obligatory industry placements constitute the final semester of the program.

ul. Żeromskiego 116
90-924 Łódź
tel. +48 42 631 33 17
www.towaroznawstwo.p.lodz.pl



FACULTY OF INTERNATIONAL ENGINEERING (IFE)

Globally known as the International Faculty of Engineering (IFE), it is a university-wide unit, which has been organizing degree programmes in technical fields, taught in both English and French, for over 25 years. As a result of extensive cooperation with European universities, all IFE students are offered the opportunity to study and practice abroad for several months. The main goal of IFE teaching and learning is to produce qualified engineers who, in addition to their field-specific competence, have an excellent command of foreign languages. The aim is to enable them in their future careers to take on the role of leaders in the international job market.

Today, IFE accepts more than 350 candidates who apply for admission to various degree programmes each year. It has almost 1,400 enrolled students, 25% of whom are foreign students, over 2,500 graduates representing 26 countries, 350 lectures delivered in foreign languages, over 180 exchange agreements with foreign universities, and double diploma agreements. For many years, IFE has put a strong emphasis on the application of innovative teaching methods to make the university a place for meaningful learning in an international environment. One such method is Problem Based Learning. IFE also applies the Design Thinking method on a regular basis, which enables creation of innovative projects, products, and services based on a deep understanding of the problems and needs of users. With the financial support of the National Centre for Research and Development, the International Faculty of Engineering also implements a student-centred model of flipped education. All of this puts the student at the heart of the process of education (Student Centred System).

In July 2017, IFE became part of a larger unit - the Centre for International Cooperation of Lodz University of Technology.

ul. Żwirki 36
90-924 Łódź
tel. 42 638 38 00
www.ife.p.lodz.pl





БИБЛИОТЕКА ЦЕЛОВАНА ПРОЛЕТАРСКИМ БУДЗАКРЕПО

THE LIBRARY

This state-of-the-art scientific and technical information centre, located in a renovated post-industrial building of the Schweikert family, constructed at the beginning of 20th century. It holds collections of scientific literature in disciplines represented at the university and related disciplines, as well as main general content publications. Printed collections (255,000 books and over 139,000 volumes of magazines) are located in open access areas and storage areas. Electronic resources, Polish and foreign online services and databases (270,000 books, 82,000 titles of magazines) are accessible via the Internet. The majority of e-resources are accessible for the staff, doctoral students and students of Lodz University of Technology not only on campus but also from any computer. Some of the volumes have been digitized and are now available in the Regional Digital Library CYBRA in Łódź. Moreover, the CYRENA repository provides access to and archives research output of Lodz University of Technology. The Library also offers access to PCs, scanners, printers and the Internet (including wireless via eduroam) in areas for individual and group work and relaxation zones. The library of Lodz University of Technology consists of: the Main Library and its branches: Library of the Faculty of Biotechnology and Food Sciences, J. Samujły Library of Civil Engineering and Architecture, O. Achmatowicz Library of Chemistry, Library of Electrical Engineering, Library of Mechanics, and belles-lettres library, as well as the Publishing House and Bookshop of Lodz University of Technology and the University Personalization Service. Biblio-Art Gallery, Przedsiomek Literacki book club, and TUL Ham Radio Club.

ul. Wólczańska 223
90-924 Łódź
tel. 42 631 29 59
www.bg.p.lodz.pl

TUL COMPUTING & INFORMATION SERVICES CENTER (UCI)

UCI manages the IT infrastructure of Lodz University of Technology and the Municipal Computer Network LODMAN. It builds, administers, and develops systems and applications supporting the following processes: teaching, university management, research and development. To this end, it develops and administers a highly efficient data processing and storage infrastructure based on technologies of virtual servers and cloud computing.

ul. Wólczańska 223
90-924 Łódź
tel. 42 638 35 00
www.uci.p.lodz.pl



CENTER OF MATHEMATICS AND PHYSICS

The Center (CMF) is a university-wide unit established in 2003. It runs classes in mathematics and physics for the faculties including the Faculty of International Engineering (IFE). Its academic staff includes 54 academic teachers: 15 physicists and 39 mathematicians. Teaching responsibilities are performed at the CMF by three teams of mathematicians and one team of physicists. The GeoGebra Academy, which is part of the International GeoGebra Institute, operates at the Centre. The objectives of the Academy, as well as of the CMF, are innovative teaching methods (e-learning, blended learning, PBL) based on, among others, available mathematics software. The Centre also carries out extensive promotional and popularization activities as regards applications of mathematics and physics by participating on a regular basis in the International Science Picnic in Warsaw, Festival of Science, Technology, and Art in Łódź, bestowing patronage to secondary school students in the Łódzkie Voivodeship. Every year, in September, the CMF organizes a "Week with Mathematics and Physics at Lodz University of Technology" for secondary school students. The participating youth stay for a week at TUL halls of residence and attend lectures and laboratory classes as university students would. Workshops for students of the Children's University and preparatory courses for national school leaving exams in mathematics and physics complete the Centre's offer.

al. Politechniki 11
90-924 Łódź
tel. 42 631 36 14
www.cmf.p.lodz.pl

LANGUAGE CENTRE

The Centre offers foreign language courses (English, French, Spanish, German, Russian, Italian) for students and PhD candidates of the Lodz University of Technology as well as courses preparing for trips abroad within the ERASMUS+ programme. We also organise Commercial courses and language classes for the employees of the Lodz University of Technology at various levels of advancement. They take place in classrooms equipped with multimedia equipment and modern teaching aids.

As of 2005, the Centre has been based in a revitalised post-industrial building with interiors adapted to the requirements of modern teaching and communication in foreign languages. This year the Centre will open a modern language laboratory. In 2017 the Language Centre received international EAQUALS accreditation for the quality of language education. We are a TELC, LCCI, BULATS and TOEIC examination centre. The Language Centre is a member of the Association of Academic Centres for Foreign Language Teaching SERMO and has been awarded the status of NILE Language Teacher Education Partner.

al. Politechniki 12
90-924 Łódź
tel. 42 631 28 10
www.cj.p.lodz.pl





CENTRUM TECHNOLOGII INFORMATYCZNYCH



SPORTS CENTRE

Students of all faculties who have completed the first semester of their studies can practice a wide variety of sports at the Sports Centre. Its facilities include two sports halls for team games, halls for martial arts and for aerobics, and two body building gyms. In 2010, a multifunctional sports ground was opened to serve students. It has become a training centre for Academic Sport Association of TUL. Apart from general physical education classes, swimming, aerobics, tennis, basketball and volleyball, football, judo, stretching, callanetics are also available. The Centre also offers corrective exercises.

al. Politechniki 11
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tel. 42 631 28 21

INFORMATION TECHNOLOGY CENTER

The Information Technology Centre (CTI) is a university-wide teaching and learning support facility. Each year, over 1500 students take advantage of 30 modern ICT laboratories. Each laboratory has different, unique equipment - from network laboratories related to cyber security, through computer graphics and game labs, the Internet of Things and mobile applications laboratories to low-level DSP, FPGA and industrial controllers programming laboratories. The Centre's resources also include: a 3D film screening room, videoconferencing studios, a server room with a computational cluster and rooms for group work. Nearly 5000 m2 area is home to 500 laboratory workstations for students. CTI cooperates with over 100 lecturers from various units of TUL and with experts from ICT Polska Centralna Cluster. The Geek Group student science club is based at the Centre. CTI actively participates in the organization of IT and electronics courses and training using its infrastructure, as well as in national and European projects and grants.

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tel. 42 631 27 17
www.cti.p.lodz.pl





ACADEMIC SPORTS AND TEACHING CENTRE - SPORTS BAY

In 2017, a modern facility was put into operation - Lodz Sports and Education Centre - "Zatoka Sportu" TUL Campus with the only 50-meter Olympic swimming pool in the region with the area of 1,282 square meters, a 30-meter swimming pool with the area of 750 square meters, which makes it suitable for training sessions and competitions in water jumping, synchronous swimming and water polo. Adjustable pool floor ensures that the pool can be used for swimming lessons and rehabilitation.

In 2018, a multifunctional hall for team games, martial arts, squash, fitness, and strength training gyms, and a climbing wall were put into operation at the "Zatoka Sportu".

al. Politechniki 10
93-590 Łódź
tel. 42 631 29 77
www.zatokasportu.pl

CENTER OF PAPERMAKING AND PRINTING

It is the only entity in Poland to conduct scientific research and educate specialists for the needs of the papermaking, paper processing, printing and related industries. The Centre runs interdisciplinary degree programs in papermaking and printing, the curriculum of which covers topics in chemical, mechanical, and materials engineering, automation, environmental protection and recycling of natural and biodegradable raw materials, including plant cellulose fibres. The curriculum also includes issues concerning specific aspects of cellulose and printing materials production and methods, paper and cellulose fibre-based composites production technologies, construction of machines and equipment used in the production of pulp, paper and packaging, as well as printing machines and equipment. The interdisciplinary character of the Centre and unique field of specialization enable the implementation of research projects from conception to laboratory research, equipment design, prototype testing, and to finally industrial implementation. The Centre cooperates closely with industry, design offices, and suppliers of materials and equipment, so that students can be provided with internship and networking opportunities with future employers.

ul. Wólczańska 223
90-924 Łódź
tel. 42 631 38 03
www.inpap.p.lodz.pl





POLITECHNIKA ZKA

SCIENCE AND RESEARCH

Lodz University of Technology actively participates in the economic and social life of the region. Rapidly changing environment presents the university with new challenges, therefore science and modern technologies are among the strategic goals of its development. Business has been increasingly interested in closer cooperation with Lodz University of Technology, as well as in the innovation developed by the University researchers.

INTERNATIONAL AND NATIONAL PROJECTS

Lodz University of Technology carries out many research projects in international teams. The University actively contributes to the implementation of projects under the European Community Framework Programmes, including Horizon 2020, which are the greatest European mechanisms of funding research and development. The University is a leader among all Polish institutions applying for international grants from European sources, which makes Lodz University of Technology one of the leading Polish research and development institutions.

Lodz University of Technology also implements projects within other schemes providing funding for fundamental and applied research as well as and development projects, both domestic and international.

The Polish-Swiss and Polish-Singapore Research Programs and national programs of the National Science Centre and the National Centre for Research and Development are a good example.

The University provides support for scientists seeking funding for research through the activities of the Project Support Center, and by providing additional financial assistance for the most active research groups through internal competitions for the Rector Award or by granting scholarships from the University Scholarship Fund for the most promising scientists.





Scientists of Lodz University of Technology are the creators of many world-class innovative solutions and innovative undertakings (patents, licenses, utility models, know-how, etc.).

They successfully present their inventions at prestigious exhibitions, winning many medals and awards. The number of inventions filed and patents granted has made the university one of the leaders of innovation among Polish universities. The university has signed numerous agreements with global companies and the SME sector. Being a member of technology clusters the University is able to make better use of its scientific capacity and at once strengthen the development and competitiveness of the economy.

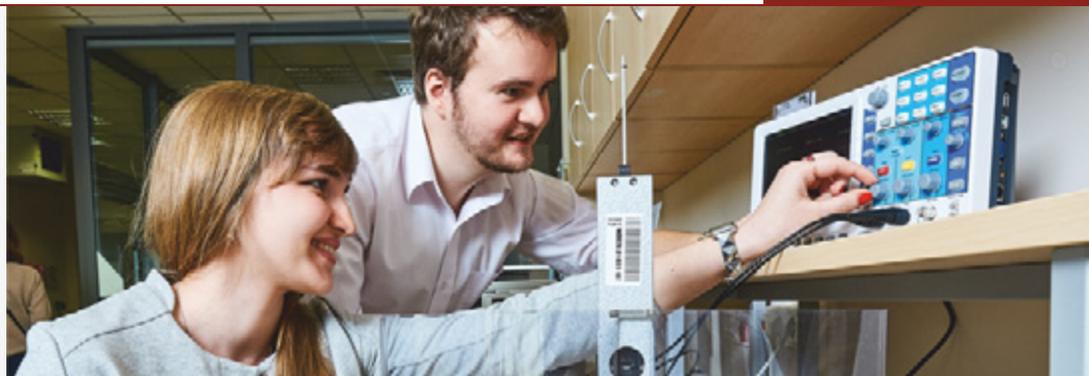
SUPPORT FOR RESEARCHERS

Lodz University of Technology creates and supports academic entrepreneurship by actively engaging in the process of establishing and developing new innovative companies based on the University intellectual property (e.g. spin-off and start-up companies). Bold economic initiatives undertaken by TUL scientists have led to the establishment of several spin-off companies and enabled the development of pre-incubation projects of significant market potential.

The university regularly hosts conferences to transfer knowledge to business. With its strong activity in the area of patenting and commercialization of research outputs, the university boasts numerous sales of licenses and know-how.

The University pursues an active policy of intellectual property management in the process of technology creation and commercialization, in research project management, student education and staff training.

Lodz University of Technology may confer the academic degree of doktor in 13 disciplines and the degree of doktor habilitowany in 10 disciplines.



EDUCATION

High standard of education provided by Lodz University of Technology ensures that our students receive a high quality degree that is appreciated by Polish and foreign employers.

CAREER DEVELOPMENT

As the needs of the external environment change, the university continues to improve its system of teaching and learning. We use modern teaching and learning methods and techniques, such as project based learning or e-learning. For our students and staff, we have created a Design Thinking Lab, creative thinking space, where people from different faculties and disciplines have the opportunity to work collaboratively on projects combining many, seemingly far-flung fields of study. In each faculty, active teaching studios have been established, where project classes are carried out.

The University takes the care to ensure that students during their studies are exposed to practical problems faced by enterprises and business. To this end, we offer traineeship opportunities in Poland and abroad, study visits, open days for companies, lectures and classes conducted by future employers. We want students of all faculties to develop an understanding of the industries they see themselves in the future. We focus on developing soft skills: communication, creativity, initiative, flexibility, teamwork, and time management.

Lodz University of Technology Career Service provides advisory services. It supports students in their job search and decision-making concerning their career development and encourages them to set up their own business.

Lodz University of Technology is well prepared to provide education for students with disabilities. The Office for Persons with Disabilities (BON), which operates at the University, is dedicated to helping students in their regular academic activities. Its purpose is to ensure equal educational opportunities for people who require individual support.

BON is responsible for coordinating study assistants and transport aid, transporting people in wheelchairs, individual tuition, renting specialist equipment to aid the process of education, digitization of teaching and learning materials, psychological support, and career advice. It has been recognized for "breaking barriers". In 2013, it was awarded the Lodołamacz statuette (Icebreaker) - a special award for companies and institutions welcoming people with disabilities.

modern teaching methods
project based learning
e-learning design thinking lab
flipped education

REACH VARIETY

Year after year, the range of courses offered at Lodz University of Technology grows richer. This is a consequence of cooperation with the industry that needs highly qualified specialists in many fields. Currently, TUL runs 60 degree programs with specializations tailored to the specific demands of the job market and the latest advances in science.

Many activities and projects are carried out collaboratively with industry. Diploma projects are commissioned by companies cooperating with the faculties and individual university units are completed. To satisfy the needs of industry, Chemistry of Building Materials has been established as an inter-university degree program run by three universities: Lodz University of Technology, Gdansk University of Technology and AGH University of Science and Technology. Other inter-university programs include: Bioeconomy provided in cooperation with the Warsaw University of Technology and the Military University of Technology, Dental Technology offered in cooperation with the Medical University of Łódź, and a second-cycle degree program in Urban Revitalization in collaboration with the University of Lodz.

As of the academic year 2019/2020, doctoral training is provided at the newly established Interdisciplinary Doctoral School. Candidates are offered 12 educational paths, a flexible and innovative curriculum in English, lectures by visiting professors, mobility and participation in summer schools and research projects. In addition to statutory scholarships for doctoral students, there are also incentive scholarships for the best students.

For all individuals wishing to raise their competencies TUL offers a broad range of postgraduate courses and specialist training.

HIGH QUALITY

We are committed to ensuring proper quality of education, as a result of which the Polish State Accreditation Committee has accredited all the fields of study subject to accreditation. 10 degree programs run by TUL have also been accredited by KAUT. Two degree programs have also been evaluated by the American accreditation committee ABET.

Cooperation with many domestic and foreign universities provides access to the latest scientific and technical achievements and contributes to world-class teaching and research.





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#POTĘGUJMOŻLIWOŚĆ

Lubię to!

Komentarze

Udostępnij

POLITECHNIKA ŁÓDZKA
EST. 1968

FIELDS OF STUDY

FIELDS OF STUDY

Advanced Biobased and Bioinspired Materials
Advanced Design and Technology
Advanced Mechanical Engineering
Architecture
Automatic Control and Robotics
Automation and Robot Control
Applied Mathematics
Bioeconomy*
Biomedical Engineering
Biomedical Engineering and Technologies
Biotechnology
Business and Technology
Business Studies
Chemistry
Chemical Analytics
Chemistry in Forensics*
Chemical and Biochemical Engineering
Civil Engineering
Chemistry of Building Materials*
Chemical Technology

Computer Science
Computer Science and Information Technology
Control Systems of Intelligent Buildings
Cosmetics Technology
Design
Electronic and Telecommunication Engineering
Electronics and Telecommunications
Electrical Engineering
Energy Systems in the Built Environment
Environmental Engineering
Food and Nutrition Manager
Food Technology and Human Nutrition
Gestion et Technology
Industrial Biotechnology
Information Technology
Information Technology in Environmental Protection
Logistics
Management

Management and Production Engineering
Management Engineering
Master of Business Studies
Master of Operations Management
Materials Engineering
Mechanical Engineering
Mechatronics
Modelling and Data Science
Nanotechnology
Occupational Safety Engineering
Paper and Printing Technology
Power Engineering
Transport
Textiles and Fashion Industry
Textile Engineering
Transport
Urban Networks and Installations in Environmental Engineering
Urban Planning
Urban Revitalization*

* - kierunek międzyuczelniany



SPORTS AND CULTURE

Lodz University of Technology is the hub of many events and various cultural activities. For many years, it has been hosting concerts, meetings with interesting personalities from the world of art and culture, art exhibitions, shows, screenings, and festivals. It is home to Radio Zak, a non-commercial student radio station that - for over 60 years to date – has been broadcasting for students. You can tune in at 88.8 MHz in Lodz and the surrounding area or listen to it online anywhere in the world. Its original programmes are concerned with culture, social issues, music, sports and current events. The Radio also takes part in the organisation of many events and festivals.

Classical music concerts have a 25-year long tradition at the University. The concert series titled 'Music at Lodz University of Technology' dates back to 1992 and to Professor Jan Krysiński, who at the time served as Rector of the University. Not only audiences but also local music critics hold it in high esteem.

Thursday Cultural Forum has been regularly held for ten years. The Forum provides wonderful opportunity to meet outstanding writers, intriguing personalities, well-known and respected artists.

The Choir of Lodz University of Technology has been entertaining people for over forty-five years. It is one of the best amateur choirs in Poland. Student and alumni who make it share a passion for singing, working on the repertoire which includes compositions in different genres and from different historical eras. Part of the Choir's rich repertoire has been recorded and is available on CDs.

The Academic Orchestra of Lodz University of Technology has been active since 2005. The ensemble has performed in many prestigious venues. Its repertoire includes classical music as well as original music scores and other popular musical compositions.

Sports is one of the strengths of Lodz University of Technology. We are proud to have world and European champions among our students. The University hosts many international sports events. It promotes physical activity, provides opportunities for creative people and supports student initiative.



DISCOVERING THE WORLD

For those who want to travel the world, are curious about other cultures, want to make international contacts and gain precious experience, international student organisations and associations are the perfect place. They facilitate the process of landing placements and training programmes in many different parts of the world. The following organisations operate at TUL: the Board of European Students of Technology BEST, Erasmus Student Network, European Youth Exchange Łódź ESN EYE, European Students Forum AEGEE, International Student Association of Economy and Trade - AIESEC.

PASSIONATE ABOUT SCIENCE

There are more than 90 student science circles at TUL. They are perfect places for students who have a passion for science and want to enrich their knowledge and understanding of an area of science. Students come up with ideas for scientific projects, get ready for competitions and share and discuss results of their own research during various scientific events.

CAMPUS OF LODZ UNIVERSITY OF TECHNOLOGY

Nine halls of residence provide accommodation and free Internet access to 3000 students. The village also houses student organization offices, sports facilities, canteen, corner stores, post office, health care centre, as well as a modern performance hall, where many artistic and scientific events take place.

There are also student clubs in the village, well-known not only to TUL's students but also to the community of Lodz citizens. The oldest of the clubs, Futurysta, has celebrated its 50th birthday.





POLITECHNIKA

1945



HISTORY

The origins of Lodz University of Technology are inseparably linked to the history of the city of Lodz which at the end of the 19th century, due to its rapid growth and development, was the second most densely populated city in Poland. Engineers were in great demand.

Citizens of Lodz had to wait long for the opportunity to study at a technical university in their home town. It was not before the end of the Second World War that the idea started to take shape. As a result of intense efforts of the City authorities, The Ministry of Education acknowledged the need and took the decision to establish a technical university in Lodz.

Professor Bohdan Stefanowski of Warsaw University of Technology, who would become the first rector of the University, arrived in Lodz at the beginning of May, 1945. Assisted by a team of his closest associates, he coordinated organisational activities leading to the establishment of the University.

Former Rosenblatt factory buildings located in the vicinity of the city center were the first seat of the University. Authorities of the city of Lodz provided interim teaching rooms and office space for the University employees.

The decree which officially established Lodz University of Technology was signed on May 24, 1945. The Faculties of Mechanical Engineering, Electrical Engineering, Chemical and Textile Engineering were the first ones to open their doors to students.

The University developed vigorously. Further buildings of the former Rosenblatt factory were adapted at an accelerated rate. Every year, the University premises grew larger and larger, more and more students enrolled, the number of academic staff increased, new faculties and departments were created, new buildings erected.

1947 - Faculty of Textile Engineering, currently Faculty of Material Technologies and Textile Design,

1950 - Faculty of Food Chemistry, currently Faculty of Biotechnology and Food Sciences,

1956 - Faculty of Civil Engineering, currently Faculty of Civil Engineering, Architecture and Environmental Engineering,

1969 - Bielsko-Biala branch of TUL,

1970 - Institute of Chemical Engineering with faculty rights-currently, the Faculty of Process and Environmental Engineering,

1970 - Interfaculty Institute of Papermaking and Papermaking Machines, currently Center of Papermaking and Printing,

1976 - Faculty of Technical Physics and Applied Mathematics, currently Faculty of Technical Physics, Information Technology and Applied Mathematics,

1981 - Faculty of Engineering Design in Bielsko-Biala branch,

1991 - Faculty of Organisation and Management, currently Faculty of Management and Production Engineering,

1991 - Computer Centre, currently TUL Computing & Information Services Center,

1992 - Faculty of Textile Engineering and Environmental Protection in Bielsko-Biala branch,

1993 - International Faculty of Engineering,

1994 - Laser Diagnostics and Therapy Centre,

2001 - Bielsko-Biala branch is transformed into an independent university,

2009 - Spatial Economy College,

2011 - Logistics College,

2011 - Commodity Science College,

2015 - Information Technology Centre,

2017 - TUL Sports and Education Centre-Sports Bay,

2017 - TUL International Cooperation Centre.

RECTORS OF THE UNIVERSITY



prof. dr hab. Bohdan Stefanowski	1945-1948
prof. dr hab. Osman Achmatowicz	1948-1952
prof. dr inż. Bolesław Konorski	1952-1953
prof. Mieczysław Klimek	1953-1962
prof. Jerzy Werner	1962-1968
prof. dr inż. Mieczysław Serwiński	1968-1975
prof. dr hab. inż. Edward Galas	1975-1981
prof. dr hab. inż. Jerzy Kroh	1981-1987
prof. dr hab. inż. Czesław Strumiłło	1987-1990
prof. dr hab. inż. Jan Krysiński	1990-1996
prof. dr hab. inż. Józef Mayer	1996-2002
prof. dr hab. inż. Jan Krysiński	2002-2008
prof. dr hab. inż. Stanisław Bielecki	2008-2016
prof. dr hab. inż. Sławomir Wiak	2016-2020
prof. dr hab. inż. Krzysztof Józwik	2020-2024



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