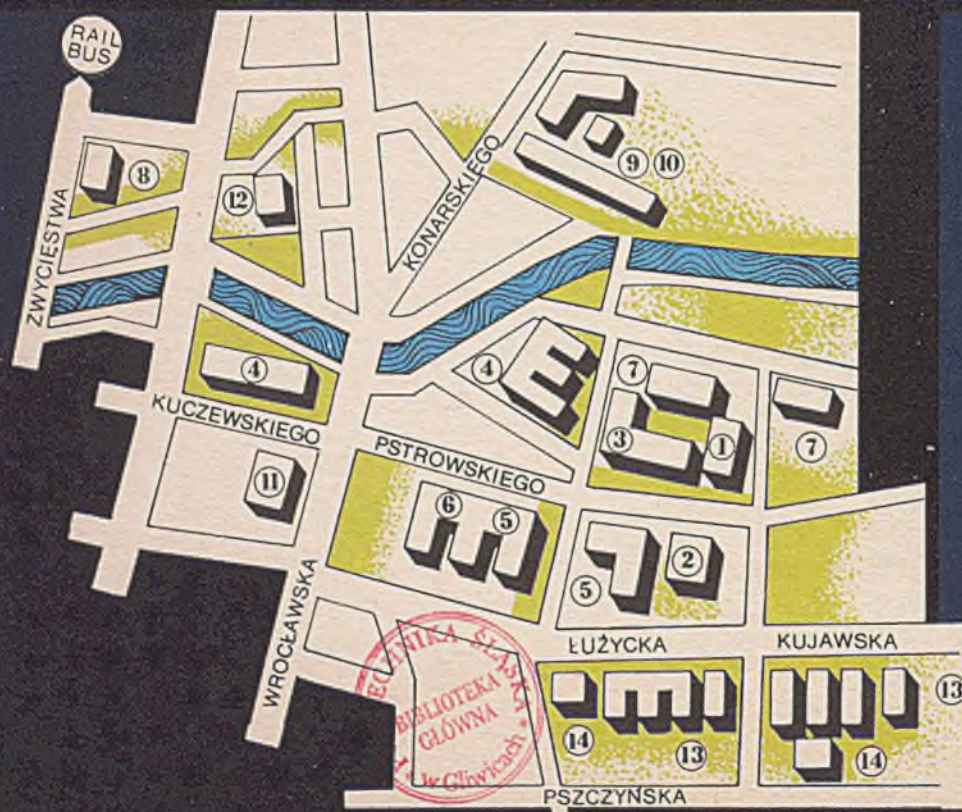


**THE SILESIA TECHNICAL
UNIVERSITY OF GLIWICE**



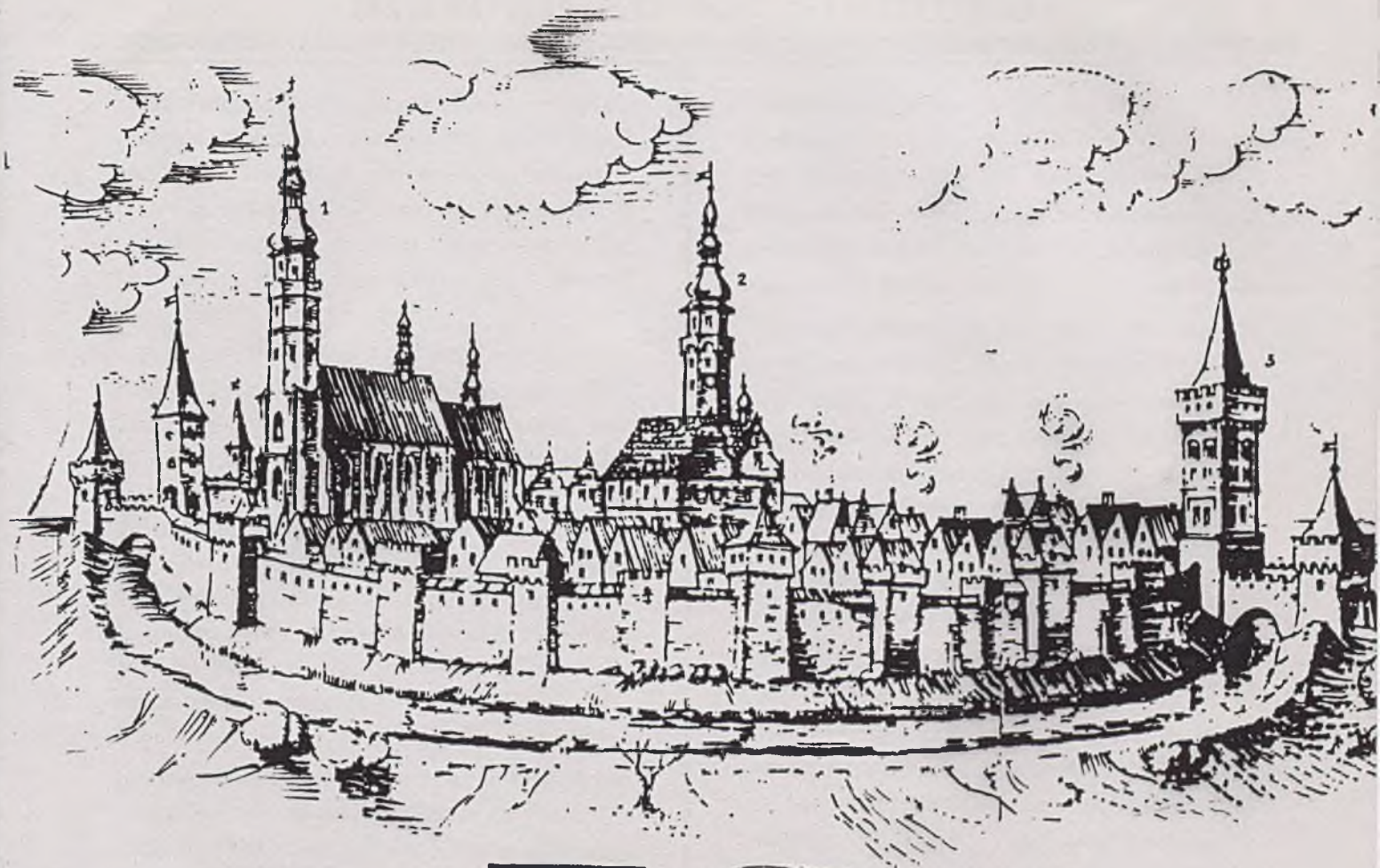
FACULTY OF ARCHITECTURE
FACULTY OF AUTOMATIC CONTROL, ELECTRONICS AND COMPUTER SCIENCE
FACULTY OF CHEMISTRY
FACULTY OF CIVIL ENGINEERING
FACULTY OF ELECTRICAL ENGINEERING
FACULTY OF ENERGY AND MECHANICAL ENGINEERING
FACULTY OF ENVIRONMENTAL ENGINEERING
FACULTY OF MATHEMATICS AND PHYSICS
FACULTY OF MECHANICAL ENGINEERING
FACULTY OF METALLURGY AND MATERIALS SCIENCE
FACULTY OF MINING AND GEOLOGY
INSTITUTE OF TRANSPORT



- 1 Rectorate, Faculty of Architecture
- 2 Faculty of Automatic Control, Electronics and Computer Science.
- 3 Faculty of Civil Engineering
- 4 Faculty of Chemistry
- 5 Faculty of Electrical Engineering
- 6 Faculty of Mining and Geology
- 7 Faculty of Environmental Engineering
- 8 Faculty of Mathematics and Physics
- 9 Faculty of Energy and Mechanical Engineering
- 10 Faculty of Mechanical Engineering
- 11 Cinema and Theatre "X"
- 12 Health Centre
- 13 Students' Hostels
- 14 Canteens

Address
Silesian Technical University
ul. Pstrowskiego 7
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EARN electronic mail network
POLSLASK @ PLW RTU 11



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liwice

HISTORICAL BACKGROUND

The Technical University of Silesia was formally established in May 1945 just after World War II was over. The Polish Government decided to create a technical university in this industrial region in order to meet its requirements. The town of Gliwice was appointed as the location of the school.

Four newly opened faculties were ready to receive their first students in November 1945. Teaching began in very primitive conditions, which were the result of the general devastation of the country. The buildings which were available did not satisfy even minimum needs as they were partially destroyed, however great enthusiasm from both organizers and students, made these beginnings very successful. Students frequently gave up their spare time to find and equip lecture rooms and laboratories.

The majority of professors who joined the teaching staff in the academic year 1945/46 formerly had been working in Lwów (at present in the Soviet Union, the Ukraine). The programmes of the academic courses were almost identical with those at the Technical University of Lwów. In this sense the Technical University of Silesia can be regarded as a successor of the Polish universities in Lwów, mainly the Technical University of Lwów.

It also means that in fact the history of the Technical University of Silesia dates back to the 19th century, when the Imperial and Royal Technical School was converted into a technical university. In 1918 the name of the school was changed for the Technical University of Lwów.

Several universities had been operating in Lwów before World War II. Splendid academic atmosphere of the city and well integrated research groups resulted in enormous achievements of those universities in science and technology (e.g. Banach, Romer, Kasprowicz etc.). Those scientists who moved into Gliwice in the forties were able almost immediately to continue their previous research and lecturing. They generally played a key role in those important but difficult days, when the Technical University of Silesia was organized.

Since its first academic year 1945/46 the Technical University of Silesia has been constantly evolving. The first four Faculties created in 1945: the Faculty of Chemistry, Electrical Engineering Faculty, Civil Engineering Faculty and Mechanical Engineering Faculty were developing rapidly. The growing number of academic teachers and students (5,000 applicants in the first year) stimulated the increase in professorships.

HISTORICAL BACKGROUND

The University obtained new buildings and created new faculties. Close links with the locally dominating coal mining industry were emphasized in 1950 when the Mining Engineering Faculty was opened. In 1953 the Mechanical Engineering Faculty was split up into the Faculty of Energy and Mechanical Engineering and the Faculty of Technology and Mechanical Engineering. Following new trends in science and technology the Faculty of Automatic Control, Faculty of Environmental Engineering and Faculty of Mathematics and Physics were opened shortly. The Faculty of Architecture was created in 1976, although since 1969 it had been part of the Civil Engineering Faculty. In the sixties the Technical University of Silesia became the second largest technical university in Poland and holds this prestigious position up to now. The number of students reached approximately 12,000 at that time. As a consequence three new branches in Katowice, Dąbrowa Górnicza and Rybnik, specializing in different technical problems, were established. Gradually some of them were converted into the Metallurgical Faculty and the Faculty of Transport.

In the early eighties the number of students entering the University dropped dramatically.

Fortunately this process has already been stopped and nowadays about 7,000 students study at 12 faculties. The University employs about 1,500 academic teachers, including 130 Professors and 100 Associate Professors. 12 Professors - members of the Polish Academy of Sciences make up the full complement of the highly qualified academic staff of the University.

The Technical University of Silesia carries out fundamental and applied research, in many subjects being the leading institution. Simultaneously the University prepares well educated engineers for Polish industry as well as for the needs of the region. Some courses taught here are unique in the Polish educational system. The University has established close links with industry all over the country contributing, thus, to the improvement of industrial processes.



THE UNIVERSITY TODAY

Established to meet the needs of the main industrial region of Poland, the Technical University of Silesia has developed into one of the largest and most important technical universities of the country. Since the beginning it has been concerned with the education and training of engineers and scientists in various fields of technology, who have contributed considerably to the growth of the region as well as of the whole country.

Like other Polish universities the Technical University of Silesia is administered by a Rector, who is solely responsible to the Minister of National Education, with the participation of the Senate. The sphere of the Rector's exclusive competence includes the supervision of the personnel policy and finance administration of the University and the coordination of the University's cooperation with foreign countries. The Rector manages the University supported by the Vice Rectors, and the Administration Director.

The University provides a wide range of 5-year courses in applied science, engineering and technology. All courses available lead to a Master's degree. Each student must submit a thesis and is required to present himself for an oral final examination at the end of his study period. The academic year is divided into two semesters, both

lasting for 15 weeks. It starts at the beginning of October and ends at the beginning of June. There are short breaks for Christmas and Easter holidays and an examination period at the end of January, followed by a week's winter holiday. The examinations are also taken in June and September.

Apart from teaching the University is deeply concerned with research. Thanks to the location in the industrial region of the Upper Silesia the University is closely involved with industry. Therefore, in many cases research work, aimed at the development and application of modern technology, is promoted by contracts between the University and industry, apart from sources of funding provided by the Government. In addition, many members of staff are engaged in industrial consultancy work.



THE UNIVERSITY TODAY

At present the Technical University of Silesia consists of the following 12 faculties:

- Faculty of Architecture
- Faculty of Automatic Control, Electronics and Computer Science
- Faculty of Chemistry
- Faculty of Civil Engineering
- Faculty of Electrical Engineering
- Faculty of Energy and Mechanical Engineering
- Faculty of Environmental Engineering
- Faculty of Mathematics and Physics
- Faculty of Mechanical Engineering
- Faculty of Metallurgy and Materials Science
- Faculty of Mining and Geology
- Institute of Transport (acting as an independent Faculty)



The Faculties are briefly described in the next part of this booklet. Further details can also be found in the attached insertion, in which each faculty's entry includes names of deans, addresses, telephone numbers, division into institutes etc.

Apart from the Faculties listed above, which provide education and training and carry out research in the specific areas of technology, there is also a number of complementary centres, designed to cater for the needs of the whole academic community, such as the Library, Computer Centre, Foreign Languages Teaching Centre, Physical Training and Sports Centre, Social Sciences Centre etc. The University has also its own printing-house which publishes primarily university textbooks, issues the University's scientific journal etc.

FACULTY OF ARCHITECTURE

Courses of study

The Faculty offers MSc courses in the following areas:

- architectural design in different domains such as housing areas, commercial centres, health service facilities, industrial complexes etc.
- city and urban areas planning and landscape transformations
- remodelling of both individual buildings and urban structures
- buildings conservation and history of architecture.



Research

Research work concerns architectural problems of highly industrialized areas like the Upper Silesia. These domains of activity, as well as the current research being carried out in the Faculty, include:

- problems of planning and urban strategy of new as well as of existing urban structures,
- creation and practical application of the methodology in decision making in urban planning and urban policy with regard to a constantly changing environment,
- design of the renovation of ecological regions,
- restructuring of industrial settlements as a means of environment reconstruction,
- studies of humanization and rehabilitation of existing housing estates,
- design of industrial objects and theoretical studies of the models of industrial architecture development in highly urbanized areas,
- design and studies concerning services for housing projects,
- studies within the domain of the history of architecture and town planning,
- artistic aspects of architecture and architectural composition.

FACULTY OF AUTOMATIC CONTROL, ELECTRONICS AND COMPUTER SCIENCE

Courses of study

For the last few years the Faculty has been attracting a substantial proportion of students entering the University each year. There are four courses available and two of them lead to further specialization:

- automatic control and robotics (automatic control, robotics, measurement systems)
- electronics (electronic equipment, microelectronics, electronic equipment for telecommunications systems, biomedical electronics)
- computer science
- telecommunications.



Research

The Faculty was established in 1963 as the Faculty of Automatic Control, being formerly part of the Faculty of Electrical Engineering. Since the beginning its research staff has been involved in the development of control theory and modelling and control of industrial processes, promoting the introduction of control systems to a variety of industries of the region. The rapid growth of electronics and computer systems created the need for further specialization within the Faculty, which resulted in establishing separate institutes of computer science and electronics. The institutes have become considerably independent, carrying out individual courses of study and research programmes. At present the research activities of the Faculty can be divided into four broad areas:

- automatic control: models and control algorithms in the presence of uncertainty; algorithms and software for system identification and adaptive control; flexibly automatized production; controllability and stabilizability of dynamic systems; simulation; visual information based control; robot control; intelligent systems in control; computer aided design of automatic control systems;

FACULTY OF AUTOMATIC CONTROL, ELECTRONICS AND COMPUTER SCIENCE

measurement systems and networks, automation of experimental research; measurement of non-electric quantities; intrinsic safety; reliability tests,

- electronics: development and application of effective computer methods for the analysis and synthesis of electronic systems; design of electronic analogue and digital devices and systems; applications of microcomputers in control and instrumentation; multiprocessing systems; testing of digital devices and systems; eddy current and ultrasonic non-destructive testing; biomedical electronic systems; new materials for electronics;



- computer science: computer graphics, CAD systems, expert systems, data bases, parallel algorithms and software design, computer and microcomputer architecture, computer networks hardware and software design, analysis and synthesis of digital automata, developmental systems, vision channels in microcomputer systems,
- telecommunications: telecommunications systems, local computer networks hardware and software design, open area networks.



FACULTY OF CHEMISTRY

Courses of study

The Faculty offers two MSc courses:

- chemical technology (inorganic and organic technology; petrochemistry; electrochemistry; polymer technology; crude oil, coal and coke technology),
- chemical engineering (chemical engineering and chemical apparatus design and construction).

Research

The Faculty of Chemistry was among the first four Faculties of the University established in 1945. Since then the Faculty has developed into six institutes, carrying out research in various fields of chemistry. The research programmes can be roughly divided into three broad areas, namely, chemistry, chemical technology and chemical engineering. The current research activities within these areas include:

- chemistry: synthesis and reactivity of azoles, azines and glycosides, kinetics and mechanism of reactions and processes on the solid-solution interfaces, chemical analysis for industry, aggregation processes and study on nonlinear phenomena in physical chemistry, diffusion transport, synthesis of high purity inorganic compounds,

- chemical technology: thermal and thermocatalytic transformation of hydrocarbons, oxidation of organic compounds by molecular oxygen, surface active agents, modern technology of inorganic compounds, optimization of industrial electrochemical processes and apparatus, synthesis and properties of polymers for medicine and biotechnology, methods of protection of chemical equipment against corrosion by polymeric coating, catalytic hydrocracking of polynuclear hydrocarbons, influence of coke plants on environmental pollution, deep-oxidation of paraffins,
- chemical engineering: filtration processes, crystallization process hydraulics, heat and mass transfer processes in cellular packing, multi-component mass transfer, fluidization.



FACULTY OF CIVIL ENGINEERING

Courses of study

The MSc courses in civil engineering taught in the Faculty are as follows:

- building and engineering structures
- building technology and organization
- roads, streets, and airports
- railways.

Research

Research interests of the Faculty of Civil Engineering reflect the needs of the region for designing buildings, roads, bridges, railway systems and any other building structures which are well protected against damage caused by mining operations, e.g. subsidence, and for their proper maintenance. Additionally, there is research in the following fields:

- new constructional and technological solutions of panel and skeletal structures,
- full-scale tests of reinforced-concrete structures and precast elements for urban or industrial buildings,
- the development of software for computer aided design of concrete and steel structures,
- foundation engineering and examination of soils,
- engineering surveying and photogrammetry,

- design of passive solar buildings,
- thermal diagnostics of building envelope,
- the utilization of waste materials in civil engineering,
- new methods of production of building materials,
- computer aided economic analysis and the organization of building processes,
- accelerated testing of durability of building materials and elements.



FACULTY OF ELECTRICAL ENGINEERING

Courses of study

The Faculty offers the following MSc courses:

- power systems, power systems protection and control
- power electronics and electric drives
- measurement science and automation in electrical engineering
- electric machines and appliances.

Research

The most important directions of research include:

- studies of power networks and systems, design and operation of power equipment, power transmission lines, insulation techniques in power engineering;
- automation and control of power systems, control equipment for power plants and systems, automatic protective circuits and systems in power engineering;
- theory of electric circuits, electric and magnetic field analysis, circuit synthesis;
- power electronic systems and circuits, microprocessor systems for industrial measurements and control;
- electric traction engineering;

- measurements of electrical and non-electrical quantities, dynamic and stochastic measurements;
- theory and design of electric machines and appliances, rpm control of electric motors and generators; voltage regulators.



FACULTY OF ENERGY AND MECHANICAL ENGINEERING

Courses of study

The Faculty offers MSc courses in the following areas:

- thermal energy systems
- energy machines and power plants
- machines and plants for chemical and food industry
- nuclear engineering
- refrigeration engineering.

Research

Since its establishment in 1953 the Faculty of Energy and Mechanical Engineering has been involved in investigation and improvement of industrial thermal processes. Mathematical modelling of temperature fields and energy management systems made this improvement possible in industries such as power engineering, metallurgy, chemical industry, food industry etc. Design projects carried out by research teams of the Faculty resulted in a number of modifications implemented in the industries mentioned above. The following examples illustrate the main achievements of the Faculty:

- new methods of energy and substance balance adjustment
- new methods of the mathematical modelling of heat transfer problems
- new constructions and industrial plants for thermal degradation of industrial and municipal wastes

- new constructions of the combustion chamber of internal combustion engines
- new methods of theoretical and experimental analysis of subsonic and supersonic flow in elements of turbomachines
- fatigue and creep life of the main elements of thermal turbines
- grinding and drying mills and fuel preparation for boilers
- hydraulic transport of finely dispersed solids of high volume concentration of the solid phase.

Current research, being in fact continuation of the anterior fields of interest, is mainly concerned with:

- analysis of cumulative energy and energy consumption
- modern numerical methods such as FEM, BEM and/or FDM
- unconventional methods of energy conversion
- thermodynamic analysis of thermal processes and industrial systems
- optimization of combustion processes and industrial burners with emphasis on the conservation of the environment
- theory, design, technology and operating of energy machines and plants
- technical diagnostic of energy plants and machines
- fuel preparation for burning processes in boilers with respect to the domestic coal properties.

FACULTY OF ENVIRONMENTAL ENGINEERING

Courses of study

The following MSc courses are available in the Faculty:

- heating and district heating
- ventilation and air conditioning
- air protection
- environmental biotechnology
- water supply and sewage systems
- technology of water and wastewater
- technology of waste utilization.

Research

Teaching and research activities of the Faculty of Environmental Engineering respond to the needs of the region which, concentrating most of Poland's heavy industry, is one of the most polluted areas in the world. These interests have been reflected by the Faculty's participation in such research projects as:

- development of new measuring methods and instrumentation for anemometry
- implementation of global water supply systems for large urban agglomerations
- development of rational heating systems for urban areas



- implementation of a multi-stage activated sludge process in urban and industrial wastewater-treatment plants.

Current research is also carried out in the following fields:

- economical energy consumption in heating and ventilation
- optimization of systems for waste gas purification and air-tight sealing of installations which are harmful to the environment
- development of aerobic and anaerobic processes of wastewater treatment and utilization of sludge and waste from industrial areas
- application of ultrafiltration processes in environmental engineering
- optimization of technology and installations used for water purification and distribution.

FACULTY OF MATHEMATICS AND PHYSICS

Courses of study

The Faculty offers the following MSc courses:

- applied mathematics
- technical physics
- applied mechanics.

Research

The Faculty of Mathematics and Physics was established in 1969 to respond to the need for the application of modern mathematics and physics in industry. Some major research programmes undertaken by the Faculty within the last few years, such as:

- new C—14 methods for needs of geology
- utilization of acoustic and acousto-optical methods in solid state physics
- technology of light pipes and light pipe detectors



- computer programmes for the simulation of thermal processes in the volume of solidifying and cooling metals
- solutions to some nonlinear problems in continuum mechanics
- optimization of the construction of stringed instruments

illustrate the main areas of its research interests.

Other research activities concentrate in the following fields: dynamics of material systems, continuum mechanics, numerical methods in the simulation of physical processes, differential geometry, applications of mathematical analysis, algebraic methods, group theory and its applications, solid state acoustics, photomagnetolectric phenomena, acousto-optoelectronics, absolute chronology by radioisotopic methods.



FACULTY OF MECHANICAL ENGINEERING

Courses of study

The Faculty provides MSc courses in the following areas:

- mechanics: mechanical engineering, machine tools, heavy duty machines, applied mechanics, physical metallurgy and heat treatment
- automation and robotics: flexible manufacturing systems, robotics, automation and robotics in welding
- technical education
- materials science and mechanics.

Research

The Faculty of Mechanical Engineering belongs to the group of the four oldest faculties at the Technical University of Silesia. Since its beginning it has investigated new technologies and new materials and alloys required in those technologies. Substantial amount of research has been done regarding technical diagnostic for machines of different types as well as for new constructions. The following examples illustrate the main achievements of the Faculty:

- development of new amorphous tools and biomedical materials together with heat and thermochemical tools treatment
- elaboration of the supervision system CRYSTALDIGRAPH-PC and utilization of TA and DTA methods for the evaluation of casts quality
- application of the theory of graphs to mechanics and machine designing

- computer aided programming and application for adaptive control systems of NC-machine tools and technical diagnostic
- welding of non-ferrous metals and alloys, weldability of high strength low alloy steel and stainless steels.

Current research is generally concerned with the following activities:

- crystallization of casts, theory of abrasive wear, technology of wear-resistant materials and application of pneumatic conveying
- CAD/CAM/CIM in manufacturing, heat treatment, plastic working, founding, welding processes etc.
- development of new materials with their heat treatment and research methods such as TEM, SEM, X-ray and quantitative metallography in physical metallurgy
- Computer Aided Optimal Design of structural and mechanical systems using numerical methods such as Boundary Elements and Finite Elements
- cutting ability and machinability, tool wear supervision in FMS, computer aided programming of robots, optimization of processing parameters of plastics and plastics working
- mechanics of nonlinear dynamic systems, numerical analysis of the stress field in continuous systems, theory and application of expert systems.

FACULTY OF METALLURGY AND MATERIALS SCIENCE

Courses of study

The MSc courses taught in the Faculty are as follows:

- physical metallurgy of iron, steel and nonferrous metals
- materials science and engineering
- production organization and management.

Research

The establishment of the Faculty of Metallurgy in 1969 was of great importance to the region, which is the main metallurgical centre of the country. Since then the research interests of the Faculty have concentrated on a variety of problems related to ferrous and nonferrous metallurgy and new materials technology. Some examples of these, in which the Faculty achieved remarkable results within the last few years, are:

- techniques for the recovery of valuable metals from waste and scrap
- investigation into damage and degradation of the microstructure and properties of high temperature alloys at creep and fatigue
- application of stereology to the microstructure control and the grain size homogeneity in metals
- intensification of heat transfer processes within industrial furnaces.

Other principal topics of current research also include:

- metallurgy of iron, steel, ferroalloys, nonferrous metals and electric heating engineering for metallurgy,
- design, modelling and control of metallurgical and plastic working processes with the application of microcomputer techniques,
- stereology in materials science,
- high temperature alloys and heat resistant Cr — Al and Cr — Al — Si coatings,
- ledeburite-free high-speed steels,
- mathematical modelling of turbulent industrial flames, investigation of combustion pollutants formation, optimization of fuel utilization in industrial furnaces,
- production organization and management.

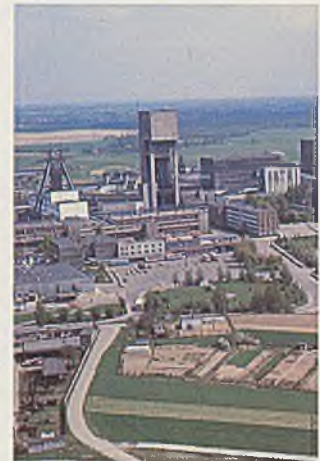
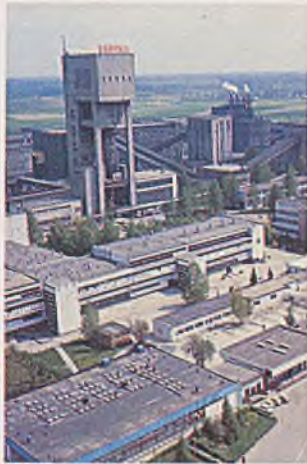


FACULTY OF MINING AND GEOLOGY

Courses of study

The Faculty provides education in the general area of mining engineering and geology. The following courses are available:

- mining technology
- organization and economics of mining
- mine surveying
- exploration geology
- design and construction of mines
- electrification and automation in mines
- mining and drilling equipment
- minerals processing and waste treatment.



FACULTY OF MINING AND GEOLOGY

Research

A great variety of problems connected with mining implies a wide range of research tasks to be undertaken by the scientists of the Faculty. The major problems dealt with in the Faculty include:

- petrological investigation of coals and other raw materials; estimation of coal bearing capacity of different formations; exploration geology; geothermomechanical method of estimation of stresses in rock mass;
- studies of seismic activity induced by mining and rockburst; investigation of ground movements and development of methods of protection of underground and surface facilities and structures;
- investigation of ventilation and air-conditioning in mines;
- fire fighting methods and techniques applicable in mining;
- methods of mining and industrial waste analysis and utilization; removal of pollutants from salted rivers and saline waters from mines;
- technologies of concentration, beneficiation and desulphurization of low rank coals; development of the improved mineral processing methods with low energy consumption;

- studies and design of mining machines and equipment including the analysis of wear and working out diagnostic procedures and measurement techniques;
- automation, power and control systems in mines; computer aided design of mining power equipment; analysis of electrical hazards, reliability and electromagnetic compatibility in mining applications;
- experimental studies in the field of rock mechanics and constitutive modelling of geomaterials; problems of mining geomechanics, rock engineering and underground construction;
- design of mines and problems of optimum development of natural resources; management and organization in mines; computer aided decision making in coal mines; modelling of production processes in mines.



INSTITUTE OF TRANSPORT

Courses of study

The Institute, which acts as an independent Faculty in the University, educates students in the following areas:

- exploitation and maintenance of vehicles
- traffic control in railway and road transport
- traffic engineering.

Research

Since its establishment in 1974 the Institute of Transport has specialized in design and exploitation of transport machines and, in particular, in gear transmissions, couples and vibro-acoustic diagnostics. Another area of specialization is the economical energy consumption in future motor vehicles, including the application of alternative fuels. The Institute has also carried out fundamental research into statistical dynamics and into examination and modelling of vehicles wear.

Apart from the above the current research programme of the Institute is also concerned with the following problems:

- computer aided design of assemblies for transport machines
- examination of exploitation wear of vehicles
- microprocessors and simulation tests in railway and road transport.



SUPPORTING CENTRES

Library

The central library of the University is housed in the building of the Faculty of Mining and Geology. There are also two separate libraries designed to cater particularly for the needs of the University's branches in Katowice and Rybnik, and a number of smaller libraries in the individual institutes and Faculties of the University.

The central library has almost 1,000,000 volumes, which include over 300,000 books and about half a million special items such as patent specifications and standards. In addition, the library receives about 1,000 journal titles each year. Most of the bookstock is available for borrowing; the library can also obtain books from other libraries.

A large collection of abstracts and indexes provides easy access to the required literature. Apart from this, the literature search may be supported by the Faculty of Scientific Information, which also keeps up to date the bibliographical record of publications of the University staff.

A new separate building of the central library, which is under construction now, will be available for the staff and students in 1994.

Computer Centre

The Computer Centre (the Centre for Electronic Computational Techniques) is housed in the building of the Faculty of Automatic Control, Electronics and Computer Science. Apart from carrying out research the Computer Centre provides its hardware and software facilities to support the research and teaching activities of all Faculties of the University. The staff of the centre regularly publish teaching aids on software applications, VAX operation etc. The centre also designs and runs systems supporting the management of the University. The main service is provided by VAX 11/750 and μ VAX 3800 computers running under the VAX/VMS operating system and connected via a DECNET communications network which also incorporates gateways to the national academic network of the X.25 type. In addition, the centre has an ICL ME 29 computer and a number of IBM PC compatible computers. The VAX computers are the elements which integrate some local networks and individual computers located in other Faculties and units of the University. Communications facilities are also established in the Computer Centre to allow the staff of the University access to the EARN electronic mail network (for mailbox see Appendix).

SUPPORTING CENTRES

Foreign Languages Teaching Centre

The Foreign Languages Teaching Centre provides foreign language teaching to the students from all Faculties of the University. Its teaching staff and facilities are also available for all members of the University who wish to broaden their knowledge of foreign languages. At present the centre offers courses in English, French, German, Italian, Russian and Spanish. There is also an intensive course of English, supported by the British Council, which has provided many members of the academic staff with a remarkable knowledge of English contributing, therefore, to the establishment of close links between them and foreign scientists. The centre has two audio-visual laboratories in Gliwice and one in Katowice.



SUPPORTING CENTRES

Physical Training and Sports Centre

The Centre organizes physical training and sports activities for all students of the University. The University holds only one gym hall, so it rents several others, a multi-purpose sports hall, a swimming pool and a skating rink. The Centre has close links with the Academic Sports Union. The Union's teams compete successfully in natio-



nal leagues in such games as table tennis, badminton, volleyball, basketball and judo. The table tennis team won the national championship several times. There are University teams for most sports and these compete against other universities, being unrivalled in the Upper Silesia and placed in the top three of the Poland's university teams.



UNIVERSITY CAMPUS

The University Campus is located in the eastern part of the town, some half an hour walk from the railway station (see the plan below). If you took the train to Gliwice and found there is no car expecting you at the railway station, taking the taxi would be perhaps the best thing you could do. There are, however, several other ways of reaching the campus, including:

- a cross-town walk according to the plan below; this method of getting to the campus is as fast as the taxi yet less expensive; it requires, however, some knowledge of the town and thus is not recommended for the absolute newcomers;
- taking a bus number 702 (best guess), 32 or 41 departing from Plac Piastow (see the plan). In every case you should get off at the second stop. Don't worry about the direction of the bus — there is only one possible;
- calling your hosts from the railway station (you may find the phone numbers in the mini-directory attached to this booklet) and waiting patiently for help — we won't let you wait for long!

After successful arrival to the campus, a question usually arises concerning

Accommodation

You will most probably stay at the SEZAM Hotel, located in the campus, 89a Pszczyńska Str., offering 71 beds in single rooms and four apartments. You may also stay in one of the guest rooms in Students' Hostels.

At present, ten Students' Hostels are located in the campus, offering almost 3,000 beds mainly in double rooms. Among these, there are 86 rooms for the university guests (the number is greater during summer holidays). „KARLIK” Hostel is the one offering the highest standard rooms for the guests. Other hostels are: RZEPICHA, PIAST, ZIEMOWIT, BARBARA, ONDRASZEK, STRZECZA, ELEKTRON and SOLARIS. They are all located in the vicinity of the University buildings.

Food

Three academic canteens provide full board and half board for over 4,000 persons. Although the restaurants downtown offer perhaps more sophisticated meals, the main advantage of the canteens is the opportunity to have your lunch without wasting much time. The canteens are located in Pszczyńska, Łużycka and Konarskiego Streets.

If you have some special wishes concerning accommodation and food, your hosts will certainly help you find the places meeting your expectations.

CULTURE AND LEISURE OR HOW TO SPEND YOUR SPARE TIME

Culture

Cultural events in Gliwice are organized by the Town Culture Centre and by the Students' Clubs and the University (Social Events Section). Several concerts of popular and classical music are organized each month as well as video film presentations, art exhibitions and other cultural events.

Three Students' Clubs are active at present. These are: PROGRAM (Lużycka Street), SPIRALA (Kuczewskiego Street) and GWAREK (Rynek). The events in the clubs are mainly pop and jazz concerts (biennial BOOM JAZZ Festival in GWAREK Club) as well as the concerts given by student performers.

Every two years in spring a traditional three-day Student Festival is organized, during which

a number of cultural events take place and the students take over the rule in the campus - if not in the whole town.

Art exhibitions, concerts and video shows are organized in the University Club (Banacha Street).

The cultural traditions of the Technical University of Silesia include the STG Theatre, Academic Chorus and the Academic Folk Ensemble "Dąbrowiaczy". The theatre (Silesian Theatre "Gliwice") was in the prime of its career in the seventies. At that time it was considered one of the most significant student theatres in Poland. The Academic Chorus is a well known one, both in Poland and abroad, as well as "Dąbrowiaczy" Ensemble. Unfortunately, they perform in Gliwice on rare occasions only.



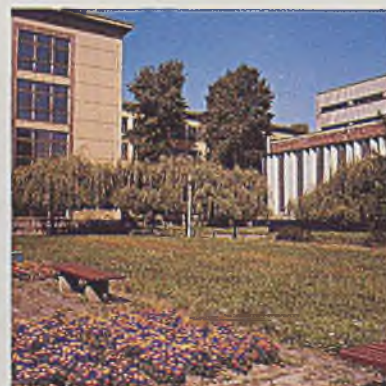
CULTURE AND LEISURE OR HOW TO SPEND YOUR SPARE TIME

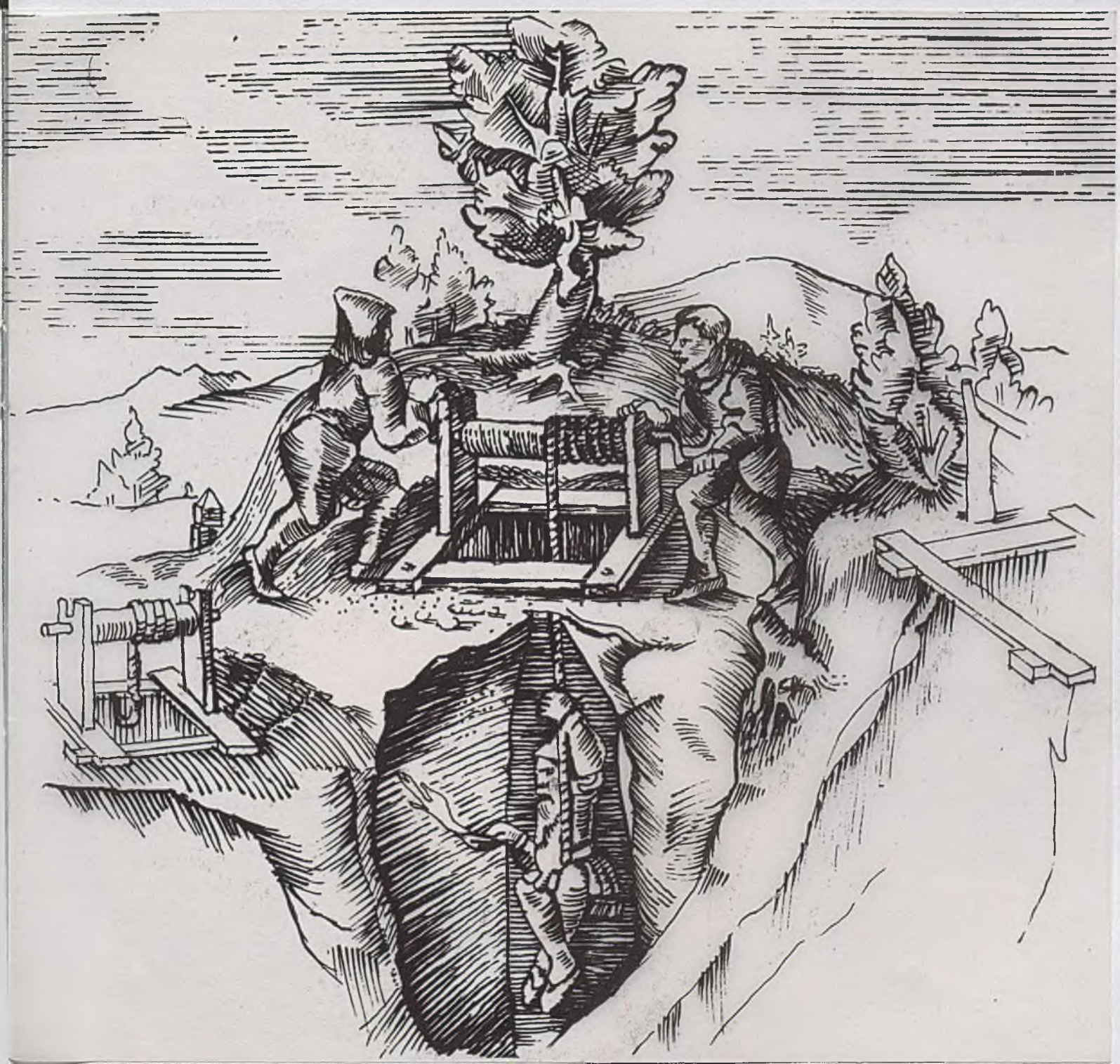
Tourism

Tourism is a well-developed field of activity of the academic society. Due to the location of Gliwice in the Upper Silesia, Polish mountains are the region most frequently visited by the students and the University staff. Several tourist clubs in the University offer a wide range of possibilities of spending free time in the Beskidy and Tatry mountains, either hiking or mountaineering. Skiing in winter is also a very popular leisure activity in the academic community. If you are interested in tourism contact the Polish Tourism Association (PTTK) University Division, Kuczewskiego Street.

Sport and Recreation

The Academic Sports Union is the organization comprising several sections where the students may take exercises in different sports (basketball, volleyball, judo, table tennis, badminton and many others). The University staff created the Staff Tennis Club keeping its own courts and organizing regular tennis courses for children and youth. For those eager to keep fit on their own there is a park suitable for jogging, a stadium and ice rink — all located next to the campus. One may also attend the nearby swimming pool, open for the university community three times a week. Although the infrastructure for sports and recreation is far from being a vast one, you may certainly find something for yourself here.





USEFUL INFORMATION FOR VISITORS

HOW TO GET TO GLIWICE

3872

AIR	RAIL	ROAD
There are several international airports not so far from Gliwice, i.e. Katowice, Kraków and Wrocław. The main international airport is in Warszawa.	Direct services operate from all the above cities. Approximate travelling times to Gliwice are: Katowice 1 hour Kraków 2,5 hours Wrocław 2,5 hours Warszawa 3,5 hours	The region is well served by the: A4 from Wrocław in the west A4 from Kraków in the east A1 from Warszawa in the north/east



