

History of the Faculty of Mechatronics and Computer Technologies

The history of the Faculty of Mechatronics and Computer Technologies is connected with the history of the University.

The path of our Faculty started in the 1930s. On October 1, 1930, Kyiv Polytechnic Institute of Leather Industry (KPI LI) was founded.

Max Abramovych Ginzburg was appointed the first director of the institute, and Mykhailo Pavlovich Kotov was appointed deputy director.



M. A. Ginzburg

M. P. Kotov

There were the following faculties as part of KPI LI: Chemical and Technological (deans M. P. Kotov, A. S. Fokin), Mechanical and Technological (deans M. O. Erdman, A. G. Wolf), Engineering and Economic (deans S. H. Isaakhyan, G. I. Chernyavskiy). In 1935, the institute was renamed Kyiv Institute of the Leather and Shoe Industry, and in 1939 – Kyiv Technological Institute of the Leather and Shoe Industry. According to the Charter of 1935, the institute included three faculties: Leather-Technological, Shoe-Mechanical and Engineering-Economic.

In October 1930, Kyiv Textile Institute was also founded and relocated to Kharkiv in 1934. The institute opened four faculties: Sewing (dean L. G. Genkin), Economics (dean A. V. Sirchenko), Chemical Technology of Fibrous Substances (dean F. P. Lokhanko), and Mechanical Technology of Fibrous Substances (dean V. O. Vinogradov). On May 2, 1936, two new faculties were approved – General Technical (dean H. G. Knyaziuk) and Technological (dean I. S. Myasnikov).

On May 20, 1944, by a resolution of the Council of People's Commissars of the USSR, Kyiv Technological Institute of the Leather and Shoe Industry and the Textile Institute were merged into one. In June 1944, the new educational institution was named Kyiv Technological Institute of Light Industry. At the beginning of 1945, the institute had four faculties: Mechanical and Power Engineering (dean S. D. Petrovsky), Mechanical

and Technological Engineering (dean M. M. Pozhidayev), Chemical Engineering (dean A. S. Fokin), Engineering and Economic Engineering (dean I. L. Slavskiy).

In different periods of its 70-year history, the institute was called differently: Kyiv Polytechnic Institute of the Leather Industry (June 10, 1930 – 1931); Kyiv Technological Institute of Leather Industry (1931 – May 25, 1944); Kyiv Technological Institute of Light Industry (May 25, 1944 – August 13, 1993); State Academy of Light Industry of Ukraine (August 13, 1993 – August 30, 1999); Kyiv State University of Technologies and Design (August 30, 1999 – August 7, 2001); Kyiv National University of Technologies and Design (from August 7, 2001 – to the present).

The names of the University changed, and the rectors who ran it changed, but, despite everything, overcoming all difficulties on its historical path, the Faculty of Mechatronics and Computer Technologies (MCT) grew and developed.

The Faculty has written many bright pages in the history of the institute – academy - university. The name of the Faculty is associated with the names of famous scientists and teachers who were the pride of the Faculty: member-cor. Academy of Sciences of Ukraine, doctors of technical sciences, professors: B. D. Grozin and O. O. Kremnyov; honored figures of science and technology of Ukraine, doctors of technical sciences, professors: G. A. Piskorsky, A. N. Rabinovych, V. O. Skaterny, A. S. Zenkin, B. V. Orlovsky, Y. O. Skrypnyk, B. F. Pipa; doctors of technical sciences, professors: N. D. Pavlovich, G. A. Voloshchenko, V. P. Bobrovnikova, A. B. Tsaturyants; candidate of technical sciences, professor V. P. Serdyuk; Ph.D., associate professors: O. S. Koreniaka and L. I. Kremenstein and many others, who with their dedicated work made a great contribution to the training of highly qualified specialists, created and developed many scientific directions related to various branches of the light industry.

On February 1, 1939, the Mechanical Faculty was separated from the Mechanical and Footwear Faculty, which was formed in 1930. The Faculty of Mechanics was located on the first floor of the educational building of the institute.



Educational building of the institute.

The first floor was occupied by the departments of the Mechanical Faculty

In September 1930, 25 students were enrolled to be trained as mechanical engineers for the 1st year of the Mechanical and Footwear Faculty. For some time, the the admission of students for the training of specialists in maintenance and repair of mechanical and energy management of enterprises of the shoe and leather industry was at the level of the 1st group.



One of the first graduations of the Faculty



Prof. B. S. Oks , Head of the Department of Riga Polytechnic Institute, PhD, Yu. S. Pavlenko, Assoc. prof. of the Department of Automation of KTILP were among the graduates of 1949.

In the first years of its existence, the Faculty trained mechanical engineers for maintenance and repair of equipment and energy management of shoe factories and tanneries, and since 1944 - for sewing, knitting, and textile enterprises.

The first dean of the Mechanical Faculty was L. L. Brixman (1939-1941). During that period, the faculty included the following departments:

- Metal and Wood Technologies (Head of the Department, Assoc. prof. A. N. Rabinovych);
- Electrical Engineering (Head of the Department, Prof. G. N. Horodetskyi);
- Theoretical Mechanics (Head of the Department, Assoc. prof. L. I. Kremenstein).

During the Second World War, the Faculty of the institute was evacuated to the city of Pervouralsk. Given the peculiarities of that period, deans were not appointed at the faculties. Before returning to Kyiv in 1944, a united faculty was organized at the institute, headed part-time by the head of the educational department, N. P. Topolyanskyi (1942-1944). In the post-war years, the Faculty was headed by: S. D. Petrovskyi (1944-1947); A. N. Rabinovych (1948), L. S. Podvalnyi (1949-1950). From 1951 to 1953, I. V. Orlov performed the duties of the deans of the Mechanical and Technological Faculties. Since 1953, the Faculty again has become an independent structural unit. From that moment on, it was headed by: O. P. Repetin (1953 - 1969), K. G. Rego (1969 - 1978), O. A. Starodub (1978 - 1986), O. S. Tolstoukhov (1986 - 1989), O. P. Burmistenkov (1989 - 2005), G. I. Konkov (2005 - 2015), M. A. Zenkin (2015 - 2020), and V. M. Pavlenko (from 2021).

The appearance in the light industry of new ultra-complex equipment provided with microprocessor and computer technology and the rapid development of chemical enterprises led to the opening of a new specialty “Automated control of technological

processes”. In 1957, for the first time in the Soviet Union, a group of mechanical students was enrolled to study this specialty.



Dean of the Faculty A.P. Repetin and Head of the Department G. A. Piskorskyi with the graduates of the Faculty in 1957-1958



T. V. Dzys, Deputy Head of the Cabinet of Ministers of Ukraine, L. V. Tsenov, PhD, Assoc. prof. of the Department of Machines and Devices of Light Industry, and V. I. Panasyuk, senior teacher of the Department of Machines and Devices of Light Industry are among the graduates of the Faculty in 1950

At the end of the 1960s, a computing laboratory was established at the Faculty (head of the laboratory was O.S. Saginashvili) and the computer center of the University was later created on its basis.

In 1972, the Department of Computer Engineering and Programming was separated from the Department of Automation of Chemical and Technological Processes, which now has the name of the Department of Design Information Technologies.

From 1978 to 1986, the post of dean was held by associate professor O. A. Starodub. During that period, students of the Faculty built the hostel No. 7.

In 1980, the Faculty included the departments of machines and devices for leather and footwear production, machines and devices for clothing and knitwear production, automation and complex mechanization of chemical and technological processes, the technology of machine building and structural materials, theoretical and general heat engineering, the Russian language.

With the election of Assoc. Prof. O. S. Tolstoukhov as Dean in 1986, the Department of Applied Mechanics was established at the Faculty. With the emergence of new specialties related not only to technological equipment but also to control systems, in 1988 the Faculty was renamed the Faculty of Technological Equipment and Control Systems (abbreviated TECS).

In the 1990s, with the arrival of Dean O. P. Burmistenkov as Head of the Faculty, the Faculty developed dynamically – new specialties were opened to meet the demands of the labor market: «Computer-integrated processes and production», «Electronic systems» (1991), «Electric household appliances» (1992), «Metrology and information and measurement technologies» (1997), «Quality, standardization and certification» (1998). In 1997, a new Department of Metrology, Standardization and Certification was created at the Faculty.

In 2012, further expansion of the Faculty took place - by the Order of the Rector of KNUVD, academician I. M. Hryshchenko, the Departments of Engineering G and Information Technologies were added to the Faculty. At the same time, new courses were introduced into the curricula of mechanical engineers – «Mechatronics» and CAD «Solid Works», which makes it possible to train mechanical engineers at the present-day level and increase the competitiveness of specialists in the labor market.

More and more specialties and courses related to computer and microprocessor technology, information technologies, and mechatronics appeared at the Faculty, and the previous name of the Faculty no longer corresponded to the content of specialist training. Therefore, in 2012, the name of the Faculty was changed for the third time.

By order of the Rector of the University, Professor I. M. Hryshchenko, No. 387 of 09.27.2012, the Faculty of Technological Equipment and Control Systems was renamed the Faculty of Mechatronics and Computer Technologies (MCT).

Since 2011, the training of students in the direction «Metrology, standardization and certification» has been started. In 2013, the direction «Mechanical engineering», two specializations «Computer-integrated electrical household appliances» and «Service

maintenance of electrical household appliances» were opened, and in 2014 – the direction «Electrical engineering and electrical technologies».

Over the years of its existence, the Faculty took an active part in the creation and development of the departments of Dzhambul Technological Institute of Light and Food Industry, the Far Eastern Technological Institute of Light Industry, Khmelnytsky Technological Institute of Household Services (now Khmelnytskyi National University), and Kherson Industrial Institute.

The adoption of the new law «On higher education» in 2014 requires a review of approaches to the training of future masters. This is, first of all, the development of their entrepreneurial and communicative abilities, in-depth study of foreign languages, improvement of practical and professional training, and their wider engagement in scientific activities.

About 1,000 students study at the Faculty. Students are trained by highly professional teachers, including 12 doctors of science and professors, 30 candidates of science and associate professors.

The Faculty trains scientific and pedagogical personnel through doctoral and post-graduate studies, there are specialized Councils for the defense of candidate and doctoral theses.

Since 2016, the Faculty has hosted an International Scientific and Practical Conference “Mechatronic systems: innovations and engineering (MSIE)”, the traditional participants of which are our colleagues from the United States of America, Poland, Turkey, Germany, Italy, Switzerland, and other countries of the world.

In 2017, outstanding scientists of the Faculty were awarded the State Prize of Ukraine in Science and Technology by the President of Ukraine P.O. Poroshenko.



УКАЗ ПРЕЗИДЕНТА УКРАЇНИ №138/2018
Про присудження Державних
премій України в галузі науки
і техніки 2017 року



На підставі подання Комітету з Державних премій України в галузі науки і техніки постановляю:

1. Присудити Державні премії України в галузі науки і техніки 2017 року:

- за роботу "Ресурсоощадні технології виробництва текстилю, одягу та взуття"

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19 травня 2018 року