

NATIONAL TECHNICAL UNIVERSITY OF UKRAINE "KYIV POLYTECHNIC INSTITUTE" (NTUU "KPI")



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Dear Ladies and Gentlemen! Dear friends!

I have the honour to introduce to you one of the oldest and biggest technical universities in Europe and the world – the National Technical University of Ukraine "Kyiv Polytechnic Institute".

It was founded in 1898 on the initiative of scientific-technical circles and entrepreneurs of Russia and Ukraine in response to the needs of industry of the Southern West of the country which developed rapidly at the end of XIX century.

The lives and activities of the world-known scientists – V.M. Kyrpychov, D.I. Mendeleyev, I.I. Sikorsky, S.P. Tymoshenko, S.P. Korolyov, V.M. Chelomey, A.M. Lyulka, M.P. Kravchuk, Ye.O. Paton, B.Ye Paton, S.V. Serensen and many others were closely linked with our university.

Cherishing the traditions of profound fundamental training and its harmonious combination with practical engineering and technical developments of graduates, NTUU "KPI" strives for providing high level training of Bachelors, Masters, Doctors of Philosophy (PhD), Doctors of Sciences (DSc) under the present-day conditions.

Lately great institutional changes have been carried out at the university. 8 new faculties, 9 educational and scientific institutes, 7 research institutes were founded, training in 111 renewed specialities and specializations has been started, an innovative environment the Science park "Kyivska Polytechnika" has been created according to a specially adopted law in Ukraine, the cooperation with the National Academy of Sciences of Ukraine, leading industrial structures of Ukraine and foreign companies has become more intensive. All this has allowed NTUU "KPI" to receive the status of the "research university".

The organization of the educational process, scientific research, the structure of the university management are constantly improving, the democratization of students' life has been developing.

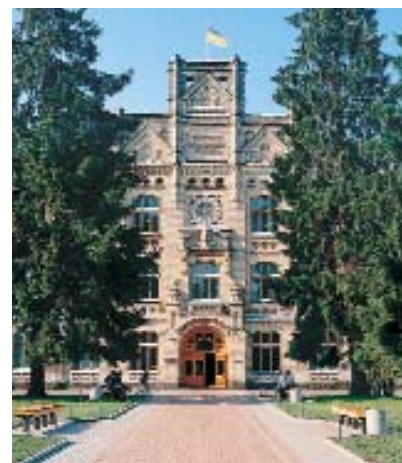
Special attention of the staff is paid to the quality of specialists training. The cooperation with the system of secondary education of Ukraine, the work of the Institute of Pre-Admission Education and Vocational Guidance, the Centre of Testing and Monitoring of knowledge, the Polytechnic Lyceum of NTUU "KPI" are called to facilitate the selection of "its entrant", who has the abilities for engineering and technical creative work, scientific research.

The Institute of Post-graduate Education in NTUU "KPI" together with other units of the university is called to realize the "life-long education" principle.

Taking into account the considerable motivation of the present-day young people to learn foreign languages, in particular English, German, French and others, the Department of Linguistics was opened.

The British Council, Goethe Institute began their activities in Ukraine on the basis of the university. Nowadays the Information Bureau of the German Academic Exchange Service (DAAD) is functioning, a project JICA-KPI "Ukrainian-Japanese Centre" is being implemented, works on the creation of the Ukrainian-Korean IT Centre jointly with KOICA (Korean International Cooperation Agency) are going on, the Ukrainian-Polish Centre was established and other international projects are under way at the university.

All of the aforesaid proves the university openness, its aspiration to be a part of the integration processes characterizing today the science and education area.



At the University there are 19 educational departments, 10 educational-research institutes, 13 research institutes, 17 other scientific subdivisions (design bureaux, engineering centres etc.) and also the branch of NTUU "KPI" in the town of Slavutych.

45 Academicians and Corresponding Members of the National Academy of Sciences of Ukraine and Academies of different branches of Ukraine, 2 227 Professors, Associate professors, assistants work there and, more than 40 000 students and postgraduates, including foreign citizens from 27 countries of the world, study at the University.

In addition to science and technological departments, the new ones have been opened at the university, namely: Management and Marketing, Law, Sociology, Linguistics, Biotechnology and Bioengineering, Medical Engineering. Now young people in addition to technical specialities have the opportunity to get a second education in humanities or economic field and to become qualified interpreters, managers, lawyers, and economists. NTUU "KPI" provides education at the level of the world-known universities by the state order as well as by contractual form of studies.

On the university campus there is a polyclinic for students, the Palace of culture and arts, sports complex. Preparatory Department for foreign students functions at the university, where during 10 months applicants study Ukrainian, Russian or English, Mathematics, Physics, Biology, Chemistry and other subjects necessary for further mastering of the university program. The training of foreign students is conducted in Ukrainian, Russian or English.

NTUU "KPI" cooperates fruitfully with 112 technical universities from 36 countries of the world as well as international organizations (EC, EU, UNDP, UNESCO, UNIDO, WIPO, NATO, EDNES, ICSU, CODATA, KOICA, JICA, IAU, EUA, IEEE, Salzburg Seminar); many well-known companies (MOTOROLA, MICROSOFT, CISCO, SIEMENS, FESTO, SAMSUNG, INTEL and others), take part in international educational and scientific projects and programs.

The Science Park "Kyivska Polytechnika" is to carry out international transfer of technologies and assist in realization of University "spin-offs projects".

Since December 1, 2007 the first pilot project "Research University NTUU "KPI"" is being implemented. The purpose of this project is to create a new model of a higher educational institution of research type.

NTUU "KPI" participates in some projects of the Black Sea Universities Network (BSUN). BSUN unites 115 higher educational institutions from 11 countries of the Black Sea region: the Republic of Azerbaijan, Republic of Albania, Republic of Bulgaria, Republic of Armenia, Republic of Moldova, Hellenic Republic, the Russian Federation, Romania, Turkish Republic, Ukraine.

In 2008 – 2010 the Black Sea Universities Network has been headed by the president of the Association Council of rectors of higher technical educational institutions of Ukraine, rector of NTUU "KPI".

NTUU "KPI" is the leader of higher technical education in Ukraine. It takes part in the development of legislative documents in this field and is the basis for the activities of the Association of rectors of higher technical educational institutions in Ukraine and the Union of scientific and technical intelligentsia, Association of postgraduates.

NTUU "KPI" is among the first universities of Ukraine that joined the community of European Universities, and signed the Magna Charta of European Universities ("Magna Charta Universitatum") in September 2003. It assisted actively in the official joining of Ukraine the Bologna process in 2005 (Bergen, Norway).

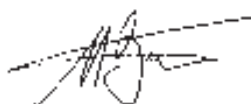
In November 2006 the Supercomputer Centre was opened in the university. It is equipped with the most powerful computer in Ukraine. The World Data Centre "Geoinformatics and Sustainable Development" was created at NTUU "KPI".

In June 2008 the Central-East-European Institute of Sustainable Development was opened in Slavutych. The main purpose of the Central-East-European Institute of Sustainable Development is training specialists and conducting scientific research in this field.

I hope you will be interested in co-operation with our University.

With respect and best wishes,

Rector



M. Zgurovsky

UKRAINE



Ukraine is a country of the Central-Eastern Europe. It occupies the Southern West of the Eastern-European plain and a part of the Carpathians, Crimean mountains. From North to South Ukraine stretches for 893 km and from West to East – for 1316 km. Ukraine is situated in moderate latitudes and has outlet to the Black and Azov Seas. Geopolitical location on the border of Western and Eastern peoples and cultures influenced considerably on

the history and development of the state. Ukraine is situated in moderate latitudes and has outlet to the Black and Azov Seas. Geopolitical location on the border of Western and Eastern peoples and cultures influenced considerably on the history and development of the country.

The territory of Ukraine is 603,700 km². It is 5, 7% of European territory or 0, 44% of the world territory. Its territory is bigger than that of France, Spain, Sweden, Germany and Poland. Owing to advantageous geographical position in the center of Europe and broad network of air, railway, sea and car transport Ukraine is the transit country for passengers and goods for different countries.

The administrative structure of Ukraine is as follows – Autonomous Republic of Crimea and 24 regions: Vinnytsya, Volyn, Dnipropetrovsk, Donetsk, Zhytomyr, Zakarpattya, Zaporizhzhya, Ivano-Frankivsk, Kyiv, Kirovograd, Lugansk, Lviv, Mykolayiv, Odesa, Poltava, Rivno, Sumy, Ternopil, Kharkiv, Kherson, Khmelnytsk, Cherkasy, Chernivtsi, Chernigiv.

The population of Ukraine is about 46 million people. According to the amount of population Ukraine occupies the fifth place in Europe (after Germany, Italy, Great Britain, France) and the 21-st place in the world. 7,3% of European population and 1% of the Earth population accounts to Ukraine. 68% of Ukrainian population lives in towns and 32% – in the countryside.

Ukraine is the state with the advanced scientific and industrial basis. Thus in space rocket field Ukraine possesses 17 out of 22 famous basic technologies in the world.

Ukraine is one of 8 countries which has necessary scientific-technical potential for the development and manu-



facture of the most aircraft technique. The development of new models of aircrafts An-70, An-140, An-74, TK-300, An-38, An-180 confirms this. Aircraft An-225 ("Mriya") is the holder of 240 world records.

Ukraine is the member state of the UN, UNESCO and almost 40 influential international organizations, programs and projects such as the International Bank of Reconstruction and Development, International Monetary Fund, International Labour Organization, etc.

About 500 settlements of Ukraine have 900 year – old history, 4500 villages – 300 year – old history. Historical towns and villages are the national wealth of Ukrainian people. In the country there are 150 000



monuments of culture, history, archaeology, town-planning architecture and more than 300 museums.

The monuments of the state "Kyiv Rus'" (IX–XII centuries) are of great value. 80% of monuments of this period are located on the territory of Ukraine. The most famous monuments of Ukraine – Kyiv Pechers'k Lavra, St. Sophia Cathedral (they have 1000-year history), the historical center of Lviv are included into the list of UNESCO world heritage.

WELCOME TO ANCIENT KYIV – CAPITAL OF UKRAINE



Kyiv. This short ringing word – is the name of the city, the roots of which go back to hoary antiquity. Its history is more than 1500 years. It is one of the ancient centers of Slavs, city-capital of the mighty early feudal state of Kyiv Rus, which is known in History as "the mother of all cities of Rus". It was one of the centers where early Kyiv culture was born and formed as one of the highest achievements of human civilization.

Kyiv is praised in "The Tale of Bygone Years" (the second decade of the XII century), in epic "The Lay of Igor's Host", in verses, novels, songs and operas. The city made tremendous contribution into world-wide history, science, culture and art.

Kyiv is a city of numerous historic monuments, ancient cultural places, museums, theatres, gardens and parks. Remarkable place among them belongs to the famous St. Sophia Cathedral of Kyiv, erected in a remote 1037. In all times and recently it has attracted people as an outstanding masterpiece of art.

Many events in the political and social life of Kyiv Rus were closely associated with the St. Sophia Cathedral. The first library collected by Yaroslav the Wise was located there. Kyiv Veche (people's assembly) was held in the Sophia's courtyard and it was there that the ceremony of crowning the prince mounted the Grand Throne of Kyiv was performed.

In the middle of the XI century Kyiv Pechersk Lavra with the Uspensky Cathedral (built in 1073, destroyed in the war times of 1941, renewed in 2001) and the Troitska (Trinity Gate) Church was built.

Lavra became the greatest sacred object of the Ukrainian people. In orthodoxy it is estimated as Jerusalem and Saint Athos Mountain in Greece. Here all breathes by legends: churches, bell towers, caves where lie more than one hundred of monks recognized as saint ones.

Lavra became the great spiritual center of Kyiv Rus; here the books were written, painting, church singing, medicine was developing.

Nor less famous masterpiece is St. Andrew's Church built 1749 – 1754 by an outstanding Russian architect Bartholomeo Rastrelli. St. Andrew's Church was built in the Baroque style current in the architecture of XVII – XVIII centuries. Borrowed from West-European art, this style was influenced by local traditions and acquired unique national features.

St. Sophia of Kyiv and St. Andrews Church, Pechersk Lavra has been included by UNESCO into the list of World Legacy. Among other architectural monuments are the Golden Gate (1037), Maryins Palace XVIII century), the Opera and Ballet House named after T.G. Shevchenko (1901) and many, many others.

Recently the Kyivites have had a chance to observe the significant activation of economic activities in the city. The constructive works are being led in the city; the streets and municipal networks are being set to order.

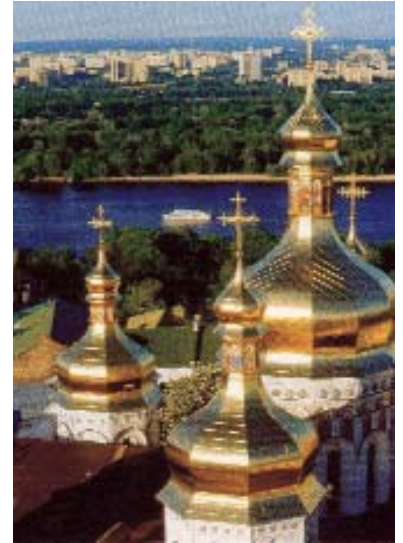
The metropolitan is being systematically developed. New schools, medical and trade monuments are being opened. Foreign investments are being attracted – the city cooperates with the partners from 157 countries.

The effort on restoration and renovation of the ancient sacred places became a bright manifestation of care about the spirituality of Kyivites and the beauty of a historical city. The church of Mother of God Pirogoscha in Podil, the Mykhaylivsky Zlatoverhy Cathedral and the steeple, Uspensky cathedral and the steeple, Uspensky Cathedral in Kyiv-Pechersk Lavra were reconstructed from the ashes. National minorities have the great opportunities for their religious and cultural activities: the St. Alexander's Roman-Catholic Church had been reconstructed, as well as the Central Synagogue, a new Mosque is being constructed.

The population of Kyiv is more than 2,6 mln. inhabitants, the territory is 827 kms² (more than a half of which are green districts and reservoirs). There are more than 80 thousand buildings in the city, 76 hotels – among which there are 16 three-star, 3 four-star and 2 five-star ones,

162 branches of communication, more than 400 educational institutions, 100 hospitals and more than 250 of ambulance stations, 35 theatres and music halls, 32 museums, 24 stadiums.

Kyiv as the capital of the state where foreign countries are presented. 132 Ambassadors of foreign countries and the representatives of 16 international organizations are accredited here.



FRAGMENT OF THE UNIVERSITY'S HISTORY

On August 31, 1898 festivities on the occasion of opening the Kyiv Polytechnic Institute took place where the Chief of the Trade and Manufacturing Department proclaimed the establishment of our institution

At that time KPI had 4 departments:

- mechanical (109 students);
- engineering (101 students);
- agricultural (81 students);
- chemical (63 students).

The idea of establishing a technical college appeared on February 18, 1880. It was the time when the owners of sugar factories of the Russian South-West "... in honour of the 25-th anniversary of the reign of Alexander II, the Liberator, decided to collect the necessary funds for the erection of a higher technical school".

For this purpose, voluntary donations of 1 000 374 roubles were gathered.

Essential scientific and organisational assistance was rendered by the then leading Russian scientists: Professor D.I. Mendeleyev; Professor M.Ye. Zhukovsky; Professor K.A. Timiryazev.

Prof. D.I. Mendeleyev became the first Head of the State Examination Commission of Kyiv Polytechnic Institute in 1903.

Professor Victor Kyrpychov was appointed the first Director of KPI. He has involved a number of well-known scientists in lecturing:

- Prof. M.I. Konovalov, a famous scientist in petroleum refining;
- Prof. S.M. Reformatsky, a prominent chemist, whose books were used by several generations of students;
- Prof. K.O. Zvorykin, one of the pioneers in metal cutting theory;
- Prof. V.P. Yermakov, the Head of the European Association of Mathematicians.

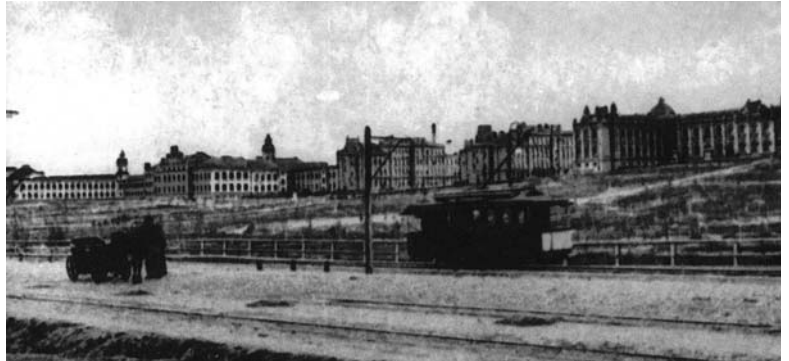
Soon after the institute was founded, scientific schools were established on its premises, including:

- graphic static and strength theory (Professor V.L. Kyrpychov, Professor S.P. Tymoshenko, Professor K.K. Symynsky);
- erection of bridges and means of communication (Prof. Ye.O. Paton, Prof. T.D. Dubelir);
- metallurgy (Prof. V.P. Izhevsky, Prof. V.Yu. Vasyliyev);
- electrochemistry and chemistry of waterless solutions (Prof. V.A. Pyastnikov, Prof. V.F. Tymofeyev);
- fibrous material technology (Prof. V.G. Shaposhnikov).

KPI was a source of Ukrainian aviation at the beginning of the last century.

From 1908 to 1910, under the guidance of Prof. M.B. Delonet several disciples of Prof. M.Ye. Zhukovsky organized an aircraft construction laboratory at KPI, where many famous aircraft designers began their careers:

- V.P. Grygorjev – the designer of the first flying boat;
- I.I. Sikorsky – the designer of the large four-engine aircraft "Illya Muromets" and helicopters;
- Prof. A.S. Kudashev – the creator of the first Russian airplane with petrol engine.



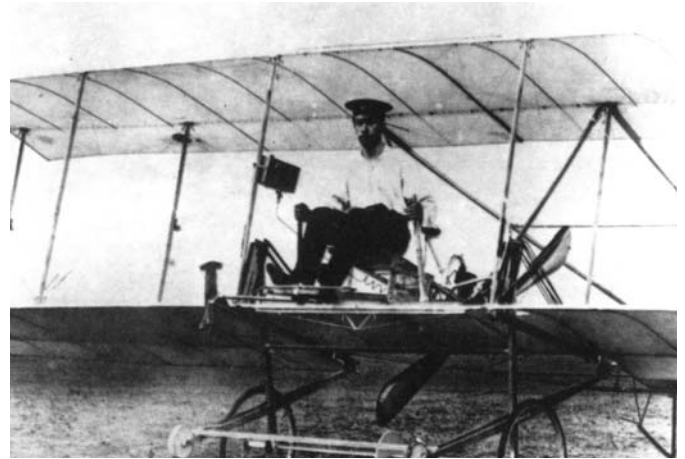
*Buildings of the Kyiv Polytechnic Institute.
View from Prospect Peremohy (1902)*



Examination Board headed by D.I. Mendeleyev when the first engineers graduated from the Institute in 1903

Developing actively on the basis of Kyiv Polytechnic Institute schools and laboratories the following institutions were created:

- Kyiv Agricultural Institute (1922);
- Odessa Marine Institute (1930);
- Dnipropetrovsk Institute of Railroad Engineering (1930);
- Kharkiv Road-Transport Institute (1930);
- Kyiv Institute of Food Industry (1930);
- Kyiv Institute of Civil Engineering (1930);
- Kyiv Institute of Food Industry (1930);
- Kyiv Technology Institute of Light Industry (1930);
- Radio workshop at the Kyiv Institute of Energy Engineering (1930);
- I.I. Lepse Kyiv plant (1930);
- Kyiv Road-Transport Institute (1944);
- Vinnytsa Polytechnic Institute (1974);
- Chernihiv Technology Institute (1991);
- Cherkasy Institute of Technology Engineering (1991);
- Zhytomyr Technology Institute (1994).



*The student Sikorsky I.I.
in the plane of his own design.
April 3, 1910, Kyiv*

STUDENTS DEMOCRATIC TRADITIONS

Students' democratic traditions are the integral part of the history of NTUU "KPI". The Organization committee for guidance of general democratic movement of students under the slogans of democratization at higher school, autonomy of educational institutions, freedom of students unions, coordination of protest acts against reactionary policy of government was organized in 1898.

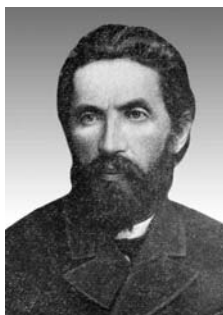
Pre-revolutionary events in the Russian empire had great influence on KPI students. Students activated their actions for democratization of KPI governing, wide involvement of students into scientific-research work, improving their living conditions.

Adherence of KPI students to democratic traditions is being observed during century-long history of Kyiv Polytechnics. At present the system of democratic bodies of students self-government includes: Students' Rada (Council) of the University with Students' Radas of the departments and institutes and students groups in the Academic Council of NTUU "KPI" (10% of Academic Council membership quantity) (E-mail:studrada@ntu-kpi.kiev.ua, Students and Postgraduates Science Association) (E-mail:ntsa-kpi@bycos.kom), Student Rada of the Organization (E-mail:studprofcom@ntu.kiev.ua).

These self-government bodies of NTUU "KPI" complementing each other actively participate in the University government, involving the students into important educational, scientific and social issues, organization of leisure, spiritual and sport development. Youth newspaper editions: "I am a student of KPI" prepared by students is the evidence of activization of student's life.

Evaluating the activities of students self-governing bodies the Salzburg Seminar experts in their report on the work in NTUU "KPI" in 2001 mentioned: "KPI may be proud of its Student Rada. Advisers met a few student groups who were well versed in the subject and informed on the subject and the life of the University. The students' leadership is presented better; it is involved into the university life much more than in a typical West University".

WORLD-KNOWN SCIENTISTS, FOUNDERS OF SCIENTIFIC AND PEDAGOGICAL SCHOOLS



KYRPYCHOV
Victor L'vovych
(1845–1913)

Well-known scientist in mechanics and higher technical education, the first Rector-founder of KPI (1892–1902)



PATON
Yevhen Oscarovych
(1870–1953)

Well-known creator of bridges and founder of electric welding, Academician of the Academy of Sciences of the Ukrainian SSR, Hero of Socialist Labor, Lenin prize winner of USSR, worked at KPI in 1904–1929 and 1935–1939



SIKORSKY
Igor Ivanovych
(1889–1972)

World-known designer of aircrafts studied at KPI in 1907–1911



KILCHEVSKY
Mykola Oleksandrovych
(1909–1979)

Well-known scientist in theoretical mechanics, Academician of the Academy of Science of Ukraine, State prize winner of the Ukrainian SSR, worked at KPI in 1944–1961



PLOTNIKOV
Volodymyr Oleksandrovych
(1973–1947)

Well-known scientist-electromechanical engineer, Academician of the Academy of Sciences of the Ukrainian SSR, the Corresponding member of the Academy of Science of the USSR, worked at KPI in 1899–1941



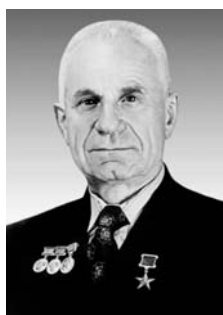
TYMOSHENKO
Stepan Prokopovych
(1878–1972)

World-known scientist-mechanical engineer, one of the founders of the Ukrainian Academy of Sciences, worked at KPI in 1907–1911, 1917–1920



PYSARZHEVSKY
Lev Volodymyrovych
(1871–1938)

Well-known scientist in inorganic chemistry, Academician of the Academy of Sciences of the USSR, Lenin prize winner, Head of the Department at KPI in 1908–1912



LYULKA
Arhyp Mychailovych
(1908–1984)

Well-known designer of air-engines, Academician of the Academy of Sciences of the USSR, Hero of Socialist Labor, Lenin prize winner, State prize winner of the USSR, graduate of KPI in 1931



CHELOMEY
Volodymyr Mykolayevych
(1914–1984)

Well-known designer of space apparatuses, Academician of the Academy of Sciences of the USSR, twice Hero of the Socialist Labor, Lenin and State prize winner of the USSR, studied at KPI in 1932–1933



KOROLYOV
Sergiy Pavlovych
(1906–1966)

Well-known spacecraft designer, Academician of the Academy of Sciences of USSR, twice Hero of the Socialist Labor, Lenin prize winner, studied at KPI in 1924–1926



PYSARENKO
Geogiy Stepanovych
(1910–2001)

Well-known scientist-mechanical engineer, Academician of the Academy of Sciences of the USSR, State prize the USSR and State prize winner of the Ukrainian SSR, studied and worked at KPI from 1937 to 1984



KRAVCHUK
Mychailo Pylypovych
(1892–1942)

World-known mathematician, Academician of the Academy of Sciences of the Ukrainian SSR, worked at KPI in 1921–1938



MIKULIN
Oleksandr Olexsandrovych
(1895–1985)

Well-known designer of air-engines, Academician of the the Academy of Sciences of the USSR, Hero of Socialist Labor, State prize winner of the USSR, studied at KPI in 1913–1914



VUL
Bentsion Moiseyevych
(1903–1985)

Well-known physician, Academician of the Academy of Sciences of the USSR, Hero of the Socialist Labor, State prize winner of the USSR, graduate of KPI in 1928



VINTER
Olexandr Vasylyovych
(1878–1958)

Well-known scientist power engineering specialist, builder of the first electrical stations of the USSR, Academician of the Academy of Sciences of the USSR, studied at KPI in 1899–1900



BARDIN
Ivan Pavlovych
(1883–1960)

Well-known scientist-metallurgist, Academician of the Academy of Sciences of the USSR, Hero of Socialist Labor, Lenin and State prize winner of the USSR, graduate of KPI in 1910



LYULYEV
Lev Veniaminovych
(1908–1985)

Chief designer of anti-aircraft and rocket weapon, twice Hero of Socialist Labor, State prize winner of the USSR, graduate of KPI in 1933



TREFILOV
Victor Ivanovych
(1930–2002)

Well-known scientist physician-metallurgist, Academician of the Academy of Sciences of the USSR, State prize winner of the USSR and State prize winner of Ukraine, graduate of KPI in 1952



HYZHENKO
Ivan Myronovych
(1916–2004)

Famous scientist in electronics Academician NAS of Ukraine, Lenin and State prize winner, Vice-Rector of RGS in 1959–1969, Head of the Chair in 1950–1989



The outstanding chemist Dmitriy Ivanovych Mendeleyev, the author of the periodic table of chemical elements, was the Head of the State Examination Board in 1903 when the first engineers graduated from the Institute

EDUCATIONAL AND SCIENTIFIC SUBDIVISIONS, DIRECTIONS OF TRAINING, SPECIALITIES, PREPARATION OF HIGH QUALIFIED SPECIALISTS

INSTITUTES

1. Educational-Scientific Complex

"Institute For Applied Systems Analysis"

Informatics

- Social Informatics B, M, PhD, DSc

System Analysis

- System Analysis and Control B, M, PhD, DSc

Computer Sciences

- Intellectual Systems for Decision Making B, M, PhD, DSc
- Information Technologies of Design B, M, PhD, DSc

2. Institute for Telecommunications Systems

Telecommunications

- Technologies and Means of Networks B, M, PhD, DSc
- Telecommunications Systems and Networks B, M, PhD, DSc
- Information Communication Networks B, M, PhD, DSc

3. Institute of Mechanical Engineering

Applied Mechanics

- Dynamics & Strength of Machines B, M, PhD, DSc

Engineering Mechanics

- Technology of Mechanical Engineering B, M, PhD, DSc
- Metal Cutting Machines & Systems B, M, PhD, DSc
- Production of Tools B, M, PhD, DSc
- Press Forming & Drop Forging Equipment B, M, PhD, DSc
- Materials Processing with Special Technology B, M, PhD, DSc
- Hydraulic & Pneumatic Machines B, M, PhD, DSc

Specific categories

- Intellectual Property B, M, PhD, DSc

4. Institute of Physics & Technology

Applied Physics

- Applied Physics B, M, PhD, DSc

Applied Mathematics

- Informatics B, M, PhD, DSc

Security of Information and Communication Systems

- Protection of Information in Computer Systems and Networks B, M, PhD, DSc

Systems of Technical Information Security

- Protection of Restricted Information and Automation of its Processing B, M, PhD, DSc

5. Energy Saving & Energy Management Institute

Electric Power Engineering and Technologies

- Electric Power Systems of Electric Supplying B, M, PhD, DSc

Specific Categories

- Energy Management M, PhD

Heat and Power Engineering

Specific Categories

- Energy Management M, PhD

Ecology, Environment Protection and Rational Environmental Management

- Ecology and Environmental Protection B, M, PhD, DSc

Mining

- Mining Deposits of Useful Minerals B, M, PhD, DSc
- Mine and Underground Construction B, M, PhD, DSc

Electromechanics

- Electromechanical Systems of Automation and Electric Drive B, M, PhD, DSc
- Electromechanical Equipment of Power-Consuming Industries B, M, PhD, DSc

6. Institute of Publishing & Printing Industry

Fine Arts

- Fine Arts & Decorative Applied Art B, M

Publishing Trade & Editing

- Publishing Trade & Editing B, M

Management

- Management of Enterprises B, M

Mechanical Engineering

- Printing Machines & Automated Complexes B, M, PhD

Publishing & Printing Industry Business

- Printing Technology B, M, PhD
- Technology of Packing Development Manufacture and Design B, M, PhD

- Technology of Electronic Multimedia Editions B, M, PhD
- Computer Technologies of Printing Production Systems B, M, PhD
- Publishing and Printing Industry Materials B, M, PhD

7. Military Institute of Telecommunications & Informatization

Institute of Special Communications and Protection of Information

9. Institute of Monitoring of Education Quality

10. Inter-Branch Institute of Post-Graduate Education

DEPARTMENTS

11. Department of Physics Engineering

Engineering Material Science

- Composite and Powder Materials Coatings B, M, PhD, DSc
- Physical Materials Science B, M, PhD, DSc
- Physical Metallurgy B, M, PhD, DSc

Foundry Engineering

- Ferrous and Non-ferrous Metals Foundry B, M, PhD, DSc

Metallurgy

- Special Metallurgy B, M, PhD, DSc

12. Department of Chemical Engineering

Ecology, Environment Protection and Rational Environmental Management

- Ecology and Environmental Protection B, M, PhD, DSc

Chemical Technology

- Chemical Technology of Timber and Plant Raw Material Processing B, M, PhD, DSc

Mechanical Engineering

- Forestry Machines B, M, PhD, DSc
- Equipment of Chemical Production and Construction Materials Enterprises B, M, PhD, DSc

Engineering Mechanics

- Packing Machines and Technologies B, M, PhD, DSc
- Automation and Computer-Integrated Technologies
- Automation Control of Technological Processes B, M, PhD, DSc

13. Department of Chemical Technology

Chemical Technology

- Chemical Technology of Organic Substances B, M, PhD, DSc
- Chemical Technology of Inorganic Substances B, M, PhD, DSc
- Technical Electrochemistry B, M, PhD, DSc
- Processing Technology of Polymers B, M, PhD, DSc
- Chemical Technology of High Temperature Non-Metallic & Silicate Materials B, M, PhD, DSc

Automation and Computer-Integrated Technologies

- Computer-Integrated Technological and Industrial Processes B, M, PhD, DSc

14. Department of Heat Power Engineering

Heat Power Engineering

- Heat Power Engineering B, M, PhD
- Heat Power Stations B, M, PhD, DSc
- Heat Power Physics B, M, PhD

Heat Power Atomic Engineering

- Heat Power Atomic Engineering B, M, PhD, DSc

Power Mechanical Engineering

- Boilers and Reactors B, M, PhD, DSc

Automation and Computer-Integrated Technology

- Automated Control of Technological Processes B, M, PhD
- Computer-Integrated Technological Processes and Products B, M, PhD

Computer Sciences

- Information Technologies of Design B, M, PhD, DSc
- Computer Ecology and Economy Monitoring B, M

Software Engineering

- Software Supply of Automated Systems B, M

15. Department of Electric Power Engineering & Automatics**Electric Power Engineering and Electric Power Technology**

- Electric Power Stations B, M, PhD, DSc
- Electric Systems & Networks B, M, PhD, DSc
- High Voltage Equipment & Electrophysics B, M, PhD, DSc
- Control Systems of Production and Distribution of Power Electric Energy B, M, PhD, DSc
- Non-Traditional Energy Resources B, M, PhD, DSc

Electromechanics

- Electric Machines and Apparatus B, M, PhD, DSc
- Electromechanical Systems of Automation and Electric Drive and Distribution of Power Electric Energy B, M, PhD, DSc

16. Department of Informatics & Computer Engineering**Computer Sciences**

- Information Computer Systems & Technologies B, M, PhD, DSc

Systems Engineering

- Systems of Control and Automatics B, M, PhD, DSc
- Flexible Computerized Systems & Robotics B, M, PhD, DSc

Computer Engineering

- Computer Systems & Networks B, M, PhD, DSc

17. Intercollegiate Medical Engineering Department**Computer Sciences**

- Information Control Systems & Technologies B, M
- Instrument Making B, M
- Medical Devices and Systems Physical Training B, M
- Physical Training B, M

Human health

- Physical rehabilitation B, M

18. Department of Applied Mathematics**Applied Mathematics**

- Applied Mathematics B, M, PhD,

Computer Engineering

- Computer Systems and Networks B, M, PhD,
- Systems Programming B, M, PhD,
- Specialized Computer Systems B, M, PhD, DSc

Software Engineering

- Software Supply of Automated Systems B, M, PhD

19. Department of Physics & Mathematics**Physics**

- Physics B, M, PhD, DSc

Mathematics

- Mathematics B, M, PhD, DSc

20. Department of Radio Engineering**Radio Engineering**

- Radio Engineering B, M, PhD, DSc
- Radio Electronic Devices, Systems and Complexes B, M, PhD, DSc
- Equipment for Radio Communication Broadcasting and Television B, M, PhD, DSc

Radio Electronic Devices

- Production of Electronic Devices B, M, PhD, DSc
- Medical Acoustic and Bioacoustic Devices & Equipment B, M
- Electronic Domestic Devices B, M

21. Department of Welding**Welding**

- Welding Technology and Equipment B, M, PhD, DSc
- Welding Equipment B, M, PhD, DSc
- Technology and Equipment of Restoration and Wear-Resistance Improvement of Machines and Constructions B, M, PhD, DSc

22. Department of Aircraft & Space Systems**Metrology and Measurement Devices**

- Information and Measurement Systems B, M, PhD, DSc
- Metrology and Measurement Devices B, M, PhD, DSc

Avia- and Rockets Construction

- Aircrafts and Helicopters B, M, PhD, DSc
- Avionics B, M, PhD, DSc
- Control Systems of Flying Vehicles and Complexes B, M, PhD, DSc

23. Department of Electronics**Microelectronics and Semiconductor Devices**

- Microelectronics and Semiconductor Devices B, M, PhD, DSc
- Physical and Biomedical Electronics B, M, PhD

Electronic Devices and Systems

- Electronic Devices and Equipment B, M, PhD
- Electronic Systems B, M, PhD

Radio Electronic Devices

- Production of Electronic Devices B, M, PhD

Acoustic Equipment

- Medical Acoustic and Bioacoustic B, M, PhD

Devices & Equipment

- Acoustic Devices and Systems B, M, PhD
- Video-Audio and Cinema Engineering B, M, PhD

Telecommunications

- Telecommunications Systems and Networks B, M, PhD, DSc

24. Department of Instrument Making

- Instruments of Precision Mechanics B, M, PhD, DSc

- Scientific, Analytical & Ecological Devices and Systems B, M, PhD, DSc

- Devices & System of Non-Destructive Control B, M, PhD, DSc

- Technology of Instrument Making B, M, PhD, DSc

- Medical Devices & Systems B, M, PhD

Optical Devices

- Laser & Optoelectronic Devices B, M, PhD, DSc

25. Department of Management & Marketing**Economics Cybernetics**

- Economics Cybernetics B, M

International Economics

- International Economics B, M

Economics of Enterprises

- Economics of Enterprises B, M

Marketing

- Marketing B, M

Management

- Management of Enterprises B, M, PhD

- International Business Management B, M

- Management of Innovation Activity B, M

Specific Categories

- Control of Innovation Activity M

26. Department of Biotechnology and Biotechnique**Mechanical Engineering**

- Equipment of Pharmaceutical & Microbiological Industry B, M

Biotechnology

- Industrial Biotechnology B, M

- Ecobiotechnology B, M

27. Department of Linguistics**Philology**

- Translation B, M

28. Department of Law and Sociology**Sociology**

- Social Work B, M, PhD, DSc

Jurisprudence

- Jurisprudence B, M

Specific Categories

- Administrative Management M

- Pedagogy of High School M

- Management of Educational Institution M

29. International Department**(organization of study of foreign students, Preparatory Department)****30. Slavutych branch****Computer Sciences**

- Information Control Systems and Technologies B

ABBREVIATIONS

B – Bachelor, **M** – Master, **PhD** – Doctor of Philosophy,
DSc – Doctor of Sciences

INSTITUTE OF PRE-ADMISSION EDUCATION AND VOCATIONAL GUIDANCE

Founded in 2002 on the basis of the Faculty of Pre-admission preparation for carrying out educational, scientific, methodological, organizational and information activities in the sphere of the pre-admission training and vocational guidance, coordination and improvement of work efficiency of students who are capable to become proficient in educational programs of study on NTUU "KPI" specialities according to the demands of the state higher education standards.

Structural subdivisions of the institute are:

- ❑ Department of Pre-Admission Education of NTUU "KPI";
- ❑ Department of Pre-Admission Education of the Educational Research Complex IASA of NTUU "KPI";
- ❑ Department of Pre-Admission Education of Institute of Physics and Technology of NTUU "KPI";
- ❑ Polytechnic Lyceum at NTUU "KPI";
- ❑ Branches of the leading educational institutions of Ukraine;
- ❑ Educational and scientific industrial complexes;
- ❑ Educational and methodology centre;
- ❑ Centre of testing and monitoring of knowledge;
- ❑ Information and analytical centre;
- ❑ Centre of vocational guidance and scientific work for young people;
- ❑ Publishing centre.

Director of the Institute:
Professor V.V. Yasinsky, PhD
Tel: 241-86-79

INTER-BRANCH INSTITUTE OF POST-GRADUATE EDUCATION

Founded in 1993 as a structural subdivision of NTUU "KPI".

It is the co-ordination and organizational institution of post-graduate education. It provides higher education to junior specialists with vocational education or incomplete higher education (3 years of institute studies) during 4 years of evening or correspondence training.

Persons who have full higher education and students of senior courses carry out retraining during two years of evening or external study.

Training and retraining of students is carried out in specialities by which the University is accredited. Educational and qualification level of training and retraining is "Specialist" (tuition fee is paid by students).

Director of the Institute:
Associate Professor V.V. Bosyi, PhD,
Tel: 241-77-13

High achievements – first and grand prizes – of NTUU "KPI" students at the international competitions – in Physics, Mathematics, Informatics raise the prestige of the University in the world



President of Ukraine V.A. Yuschenko congratulated by telegram Olexander Rybak, student of Physics-Engineering Department, on his magnificent victory on XIII International Completion in Mathematics in 2006



TRAINING OF FOREIGN CITIZENS

Training of foreign citizens for entering NTUU "KPI" is conducted at the Preparatory Department in engineering-technical, engineering-economical, humanitarian directions.

Terms of Admission for foreign citizens:

Admission for study is carried out via entrance examinations on the basis of the Contract signed by the University administration with the applicant or any other physical or judicial person; admission is also possible on the basis of International Agreements.

Requirement to Applicants:

- Age at the entrance moment – 25 years old (for postgraduates – 35).
- Secondary education.
- Satisfactory health state.

Documents Required for Admission:

- 1) The original secondary education certificate with subjects and marks for subjects and with its translation into Russian or Ukrainian;
- 2) Medical Certificate confirming AID absence;
- 3) Medical Health Certificate, confirmed by an official Health Protection Board of the country the applicant came from. This document is to be issued not later than two months before the student arrives at Ukraine;
- 4) A copy of Birth Certificate;
- 5) 6 photos 60x40 mm;
- 6) A return ticket with the open home return date for one year term;
- 7) Passport (original).

Documents 1, 3, 4 must be legalized and certified according to the legislation of the country which has issued them.

Conditions of Life:

University campus is compactly situated in the center of the Ukrainian capital – Kyiv. Students are being accommodated at the university hostels. Payment for living in three-bed rooms is \$ 25–40 per month. Living conditions are determined by a separate contract.

Tuition Fees for Study in 2009 – 2010:

Educational program	Language of instruction:		
	Ukrainian	Russian	English
Preparatory Department	\$ 2 700	\$ 3 000	\$ 3 000
Bachelor	\$ 4 000	\$ 4 000	\$ 5 500
Master	\$ 5 000	\$ 5 000	\$ 5 500
PhD	\$ 6 000	\$ 6 000	Tuition fees are been fixed by departments
DSc	\$ 6 500	\$ 6 500	

Duration of Study:

Preparatory Department – 1 year; Bachelor – 4 years; Master (M) – 2 years after Bachelor program; Doctor of Philosophy (PhD) – 3 years (after obtaining MSc diploma); Doctor of Sciences (DSc) – 3 years (after obtaining PhD diploma).

Beginning of the Academic Year:

- Main Departments of university – from September 1 to September 10
- Preparatory Department – on forming of groups contingent – from September 1 to October 30.

Web-page: [http:// www.ntu-kpi.kiev.ua](http://www.ntu-kpi.kiev.ua), **E-mail:** nabor@mf.ntu-kpi.kiev.ua,
Tel/fax: +380 (44) 241-71-41, 241-67-36

What a happy day!

*Citizens from the countries of South-East Asia got Bachelor and Masters diplomas of the National Technical University of Ukraine "Kyiv Polytechnic Institute".
Happy journey, polytechnics!
Good-bye, Alma Mater!*



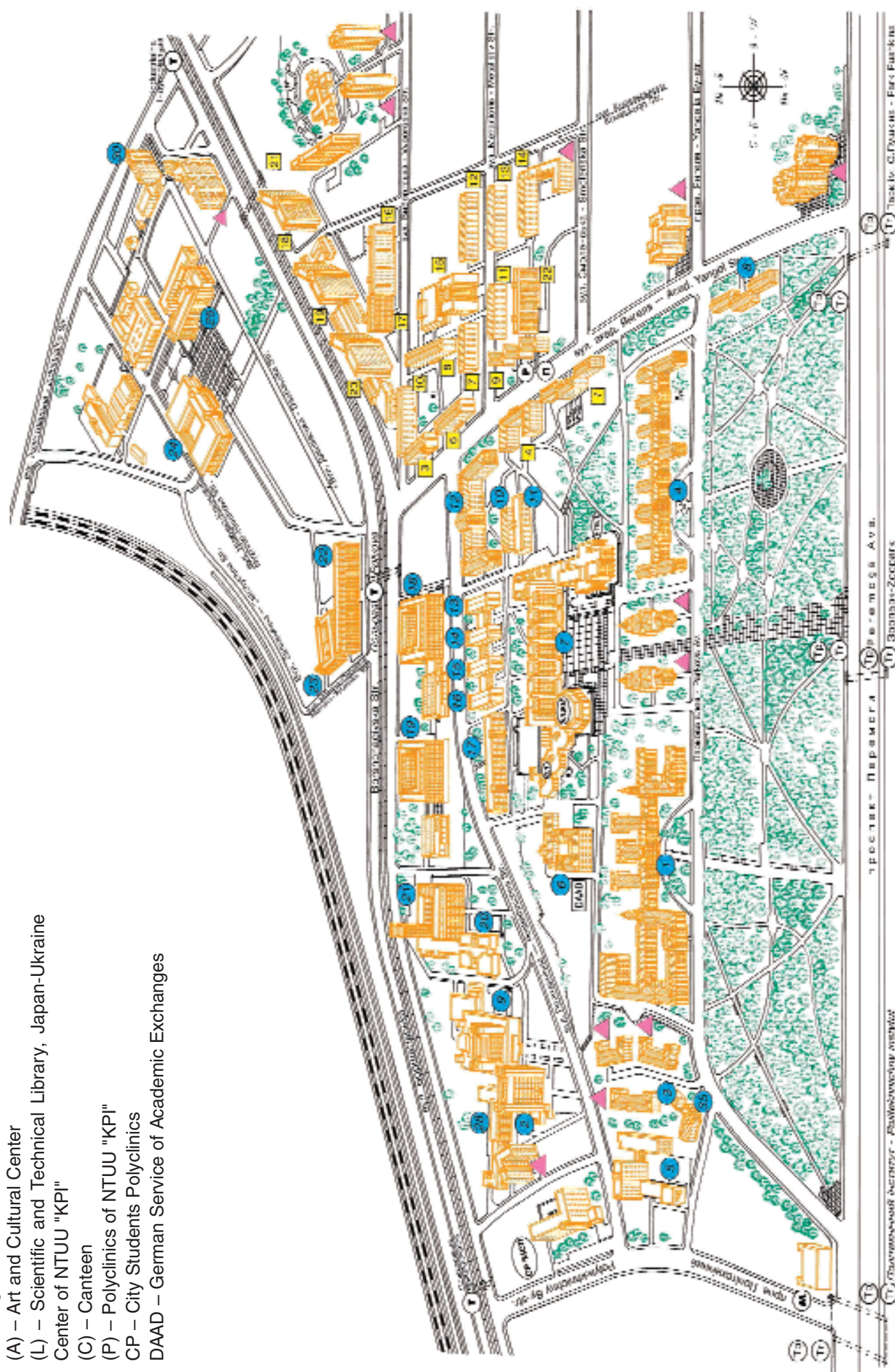
*Foreign citizens have been studying at NTUU "KPI" since its foundation in 1898.
More than 6000 highly-qualified specialists from 112 countries were trained during that period of time.
The ceremony of the receiving of diplomas has become already traditional*

NATIONAL TECHNICAL UNIVERSITY OF UKRAINE

"KYIV POLYTECHNIC INSTITUTE"

1. **Academic building № 1** (Rector's office, International Relations Department, Departments: Instrument Making, Management and Marketing. Institutes: Physics&Technology, Mechanical Engineering, Inter Branch of Post-Graduate Education, Ukrainian Institute for Information Technologies in Education, Science and Technology Park).
2. **Academic building № 2** (Scientific and Research Institute of Applied Electronics).
3. **Academic building № 3** (NTUU "KPI" Hotel).
4. **Academic building № 4** (Department of Chemical Technology, Department of Biotechnology and Bioengineering).
5. **Academic building № 5** (Department of Heat Power Engineering).
6. **Academic building № 6** (State Polytechnic Museum of Ukraine, DAAD office, Association of NTUU "KPI" Graduates, Science Park "Kyivska Polytechnika", Chinese Ukrainian Center of High Technologies).
7. **Academic building № 7** (Departments: Linguistics, Sociology and Law, Physics and Mathematics, Polytechnic Lyceum).
8. **Academic building № 8** (Institute of Publishing and Printing Industry).
9. **Academic building № 9** (Department of Physics Engineering).
10. **Academic building № 10** (Department of Protection and Security).
11. **Academic building № 11** (Design office "Storm").
12. **Academic building № 12** (Department of Electronics).
13. **Academic building № 13** (Computer Centre of Information Technologies).
14. **Academic building № 14** (Department of Applied Mathematics).
15. **Academic building № 15** (Department of Applied Mathematics, Publishing Department "Polytechnika").
16. **Academic building № 16** (Institute of Pre-Admission Education and Vocational Guidance, Admission Commission).
17. **Academic building № 17** (Department of Radio Engineering).
18. **Academic building № 18** (Department of Informatics and Computer Engineering).
19. **Academic building № 19** (Department of Chemical Engineering).
20. **Academic building № 20** (Department of Electrical Power Engineering and Automatics).
21. **Academic building № 21** (Department of Chemical Technology, Department of Instrument Making).
22. **Academic building № 22** (Institute of Energy Saving and Energy Management).
23. **Academic building № 23** (Department of Welding).
24. **Academic building № 24** (Intercollegiate Medical Engineering Department).
25. **Academic building № 25** (Institute of Publishing & Printing Industry).
26. **Academic building № 26** (Institute for Applied Systems Analysis).
27. **Academic building № 27** (Military Institute of Telecommunication and Information Technology).
28. **Academic building № 28** (Department of Aircraft & Space Systems, SRI "Rhythm").
29. **Academic building № 29** (Inter-Branch Institute of Post-Graduate Education).
30. **Academic building № 30** (Research Institute of Telecommunications, Institute for Telecommunications Systems and Networks).
31. **Academic building № 31** (International Department, Preparatory Department for Foreign Students).
32. **Academic building № 32** (Center of Student's Nourishment).
33. **Academic building № 33** (Preventive Clinic).
34. **Academic building № 34** (Students Trade Union Committee).
35. **Academic building № 35** (Institute of Applied Systems Analysis).
36. **Building in Yangel street (hostel # 9)** (Section of City Students Polyclinics, Intercollegiate Medical Engineering Department).

- Academic buildings ●
- Hostels 1 – 22 ■
- Dwelling houses ▲
- (A) – Art and Cultural Center
- (L) – Scientific and Technical Library, Japan-Ukraine Center of NTUU "KPI"
- (C) – Canteen
- (P) – Polyclinics of NTUU "KPI"
- CP – City Students Polyclinics
- DAAD – German Service of Academic Exchanges



MOST IMPORTANT PROJECTS OF INTERNATIONAL ORGANIZATIONS BEING WORKED OUT AT NTUU "KPI"



**EUROPEAN
COMMISSION
TEMPUS-TACIS**

UKRMOBIL: "Facilitating Academic Mobility Between EU and Ukraine (2005–2006)". Participants: Royal Institute of Technology (KTH), Technical University of Catalonia, Swedish Institute, NTUU "KPI".

UKRBRIDGE: "Bridging the Gap Between the University and Business (2005–2008)". Participants: the Royal Institute of Technology (KTH), Tallinn University of Technology, Delft University of Technology, NTUU "KPI".

Information technologies in the management of university libraries (2003–2005)". Participants: universities of Vienna, Aachen, Delft, NTUU "KPI".

The establishment of the transfer technologies and management knowledge Center (2005–2008).



NATO

The development of telecommunication network URAN (Ukrainian Research and Academic Network) and its connection with the Pan European scientific and educational network GÉANT 2: the interconnection of URAN and GÉANT 2 was arranged in Poland via 155Mbit/c channel, Memorex Telecommunication Company (Austria).

The project "Regional Segments and Implementation in Ukraine of New Services in Ukraine of the National Telecommunication Network of Institutions of Education and Science URAN" (2008–2010).

EDNES



**Information Society
Technologies**

Projects of the Ukrainian branch of EDNES (International Association "Earth Data Network for Education and Scientific Exchanges", Strasbourg, France).

IST-program of the European Commission.

**VISBY
Program of the
Swedish Institute (SI)
for universities of
Baltic countries and
their partners**

Project of VISBY program with the participation of the Tallinn Technical University (Estonia), Saint-Petersburg (Russian Federation), Stockholm University (the Kingdom of Sweden), NTUU "KPI".

Project "Virtual Integrated University System (VIUS)".



**British Council
in Ukraine**

Training Seminars "Basic Methodology and Approaches for Technology Foresight for Ukraine".

Days of Britain at NTUU "KPI": "Britain: Creative Mosaic" which became traditional.



UNESCO

UNESCO project "Open Virtual Campus of E-learning Centres, Scientific, Technological and Engineering Universities of the Central and Eastern Europe Countries".

UNESCO project on technical and methodological support of the training program "Management of International Activities of Higher Technical Institutions" (2004–2005).

UNESCO project on IBSP fundamental sciences development "International Center of Improvement of Pre-admission Preparation" (2007–2008).



CEPES

Project "Implementation of the International Peer Review and Ranking Principles of the Higher Educational System of Ukraine" according to UNESCO-CEPES and NTUU "KPI" Memorandum.



**United Nations Industrial
Development
Organization**

Distance Learning according to the technology foresight program at the Ukrainian Institute of Information Technologies in Education at NTUU "KPI" (since 2003).

Projects of creating of the Information Centre of Technology Foresight for Ukraine and the Centre of Clean Technologies at NTUU "KPI".

Project "Institutional Construction Possibilities for Technology Management and Innovation in Ukraine" in cooperation with Ukrainian Union of Industrialists and Entrepreneurs, British Council in Ukraine (since 2004).

Project "Establishment and Operation of a National Cleaner Production Program in Ukraine" (since 2007).



**World Intellectual
Property Organization**

Specialists training in intellectual property according to the programs of the World Academy of World Intellectual Property Organization.

CEPIS

**Council of European
Professional Informatics
Societies**

Test Centre in the field of computer training under the ECDL – European Computer Driving Licence program approved by the European Union in 2001 and which has been working successfully in 140 countries of the world.



UNDP

Projects envisaged by the Program Memorandum "Rendering Gender Equality Assistance" of UNDP and Ukrainian Centre of Gender Education at NTUU "KPI".



Salzburg Seminar

"University Project": visits of Salzburg Seminar experts to NTUU "KPI" (2001, 2004) and the programs of the University reform according to recommended reports.



**Japan International
Cooperation Agency**

Project of development of the Ukrainian-Japan Center of NTUU "KPI" together with the Embassy of Japan in Ukraine (since 2003).

On May 22, 2006 according to the Agreement between the Government of Ukraine and Japan 5-year project of the international technical assistance of the Government of Japan in Ukraine "Ukraine-Japan Center" started its work.

DAAD

**Deutscher Akademischer Austausch Dienst
German Academic Exchange Service**

At NTUU "KPI" information center of German Academic Exchange Service (DAAD) is functioning.



July 2008. Implementation of the project of the Korea International Cooperation Agency (KOICA, the Republic of Korea) concerning creation of the Korean-Ukrainian Center of Information Technologies.



At IASA NTUU "KPI" together with the Geographical Center of the Russian Academy of Sciences, the Ukrainian branch of the World Data Center "Geoinformatics and Sustainable Development" which fulfils a number of important projects in these scientific directions was created.



Since 2006 NTUU "KPI" is a participant of the Black Sea Universities Network (BSUN) projects on sustainable development, telemedicine, innovation, information society creation, GRID-technologies.

Rector of NTUU "KPI" Academician M.Z. Zgurovsky is the BSUN President for 2008–2010.



Projects of NTUU "KPI" as a member of authoritative organisations: EUA (Eurasian University Association), EUA (European University Association), IAU (International Association Universities).



Together with the Polish educational foundation "Perspektywy" in 2008 the project "Ukrainian-Polish Center" started.



It is planned to start a number of joint projects together with the Ukrainian Council of Peace the collective member of which NTUU "KPI" is since 2007.

Photo: Head of the Ukrainian Council of Peace L.M. Kravchuk and members of the Presidium of the Ukrainian Council of Peace before the beginning of summary and electoral conference of the Ukrainian Peace Council which was held at NTUU "KPI" in December 2007.

Project of the Salzburg seminar "University Project". The experts estimated KPI as "a wonderful institution". It is very important that high evaluation expressed in the concluding speech of Salzburg Seminar experts is popularised in the intellectual circles of the world. During the second visit in June 2004, analysing the reforms of the University in comparison with the events in September 2001 when the first visit took place, the experts estimated highly the changes that had taken place at NTUU "KPI" for the period of 2001–2004.



First visit of the Salzburg Seminar experts to Ukraine, NTUU "KPI" (2001). During the visit to the State Polytechnic Museum of Ukraine at NTUU "KPI" (left to right): William Baker (USA) – Vice-President of the University of California System with his wife, Marthy Gecek (USA) – coordinator of the Universities Project Visiting Advisors Program, Daniel O'Hare (Ireland) – President Emeritus of Dublin City University.

Piotr Ploszanjski (Poland) – Head of the Department of Management Theory at the Warsaw School of Economics, a Former Director General of the Polish Academy of Sciences, Professor Borys Tsyganok – Head of International Relations Department of NTUU "KPI"



April 2006. UNESCO Chair "Higher Technical Education, Applied System Analysis and Informatics" opened the department of the Chair in the structure of Scientific-Research Institute of Applied Information Technologies at the Cybernetic Center of the NAS of Ukraine.

*The main aim of the Department – **fulfilment of the project "The Implementation of International Expertise and Ranking of Higher Educational Institutions of Ukraine"** according to the Memorandum on Cooperation Between UNESCO Chair "Higher Technical Education, Applied System Analysis and Informatics" and the European Center of Higher Education of UNESCO (UNESCO-CEPES) dated April 25, 2006*

MOST IMPORTANT ELEMENTS OF EDUCATION-RESEARCH INFRASTRUCTURE OF THE PRESENT NTUU "KPI"

***International UNESCO CHAIR "Higher Technical Education, Applied System Analysis and Informatics" at NTUU "KPI" and Educational Research Complex
"Institute for Applied System Analysis (IASA)."***



Development program of the International UNESCO Chair "Higher Technical Education, Applied System Analysis and Informatics" ensures its role as the center of intellectual elite of the higher technical school of Ukraine. In collaboration with influential international institutions the UNESCO Chair initiated a number of international congresses, conferences, seminars on various aspects of support and development of higher technical education, applied system analysis and informatics, comprehension of role and significance of natural sciences and higher technical education in the human measuring.

Ukrainian Institute of Information Technologies in Education (UIITE) of the National Technical University of Ukraine "Kyiv Polytechnic Institute" was created by the Order of the Ministry of Education and Science of Ukraine with the aim of effective implementation of information-communication technologies into education.



November, 2006. The opening of the Center of super-computer calculations and the Ukrainian branch of World Data Center "Б" – "Geoinformatics and Sustainable Development" at the Science Park "Kyivska Polytechnika".

Photo: the President of Ukraine V.Yushchenko is taking part in the center's opening ceremony.

National Research and Academic Network URAN.

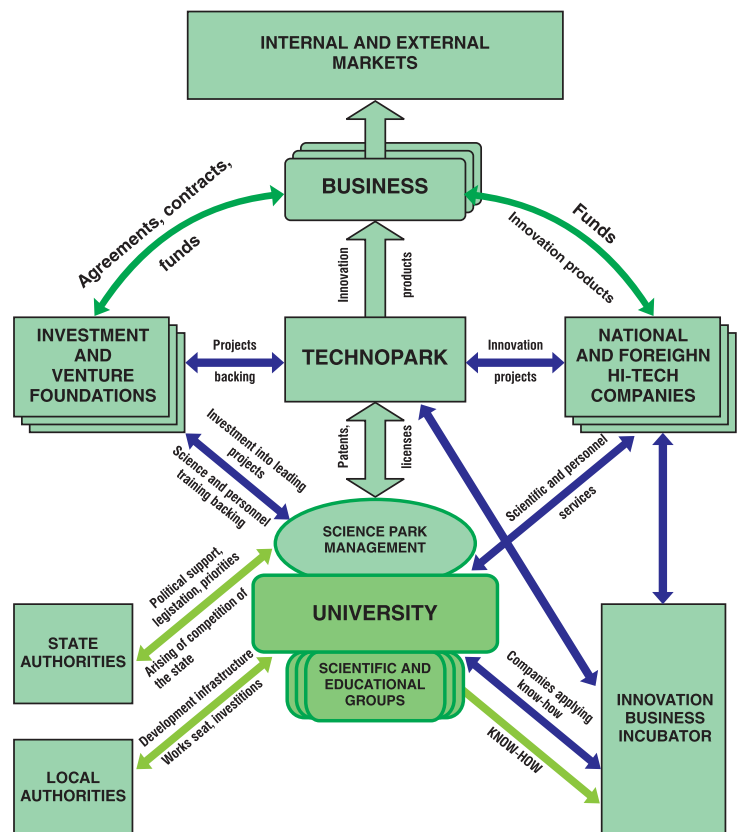
NTUU "KPI" is a basic URAN (Ukrainian Research and Academic Network) centre of educational and scientific institutions of Ukraine with 6 regional higher educational institutions in Kharkiv, Lviv, Odessa, Dnipropetrovsk, Donetsk and Simferopol. URAN provides the integration of Ukraine into an international educational, scientific and information area, European network.

GÉANT-2, the development and realization of projects in the field of education and science informatization, the activities of Ukrainian Institute of Information Technologies in Education at NTUU "KPI". The Centre of supercomputer calculations approaches NTUU "KPI" to modern world standards of GRID-technologies. It was created under NATO auspices.



Science Park "Kyivska Polytechnika" is an innovation environment that by territorial characteristics unites science, manufacturing, educational institutions, technopark "Kyivska Polytechnika", business-incubator "Polytech-center" working in Hi-Tech sphere; consulting legal, financial and other business structures, industrial enterprises and companies, investment and venture funds which provide personnel, legal investment, ensuring the accompaniment of innovation activities.

The law of Ukraine "About the Science Park "Kyivska Polytechnika" accepted in 2007, created the conditions for development in Ukraine the pilot project of innovative infrastructure on the basis of KPI as national self-governing (autonomous) state higher educational institution of research type.



Functioning of the Science Park "Kyivska Polytechnika" was approved by the Order of the Cabinet of Ministry of Ukraine. By the Order of the Cabinet of Ministries # 546-p from July 18, 2007 the plan of measures concerning the fulfillment of the Law in Ukraine "About Science Park "Kyivska Polytechnika"" was approved. It is foreseen to work out the project of development of the Science Park for 2008–2018, insert changes in the Statute of NTUU "KPI", support the implementation of the innovative programme of the Science Park. By the Order of the Cabinet of Ministries of Ukraine (#760-p dt. 19.09.07) the innovation program of the science park for 2007–2011 was approved.

NTUU "KPI" is the basis for pilot projects on research university model NTUU "KPI" is the basis for pilot projects on research university model.

May 2005. The scientists of the National Technical University of Ukraine "Kyiv Polytechnic Institute" promote cooperation with industry in the fulfillment of the joint research and implementation of perspective scientific and technical developments in a serial production.

For the strengthening of innovation model of the state economic development will serve a new long – term program of cooperation of university scientists with one of the progressive homehigh-tech enterprises – the State Design Bureau "Pivdenne" – the fulfillment of perspective scientific and technical projects in the sphere of space technique.

Photo: Signing the agreement of cooperation between NTUU "KPI" and Dnipropetrovsk Design Bureau "Pivdenne".



Ukrainian Center of Gender Education at NTUU "KPI" was created in 2001 by the Memorandum of UN Development Program in Ukraine and NTUU "KPI".



November 2006. Parliamentary session in the Verkhovna Rada of Ukraine "Equal rights and equal possibilities in Ukraine: realities and perspectives".

The delegation of the Ukrainian Center of Gender Education at NTUU "KPI" took part in the session.



Historia est magistra vitas

State Polytechnic Museum of Ukraine at NTUU "KPI" was founded in the honour of centenary of the Polytechnic Institute.

Expositions present the history of engineering development in Ukraine.

New exposition – I.I.Sikorsky Department of Aviation and Cosmonautics – was opened in 2008.

In 2009 the centenary anniversary of the famous KPI alumni was marked.

June 26, 2008 is the "birthday" of the **Central-East-European Institute of Sustainable Development**, the main target of which will be the training of specialists and conducting of research in this field. The ceremony of the foundation was held in the town council of Slavutych in the presence of public and mass media.



Photo (from right to left): the representatives of the university-participants of the broad programme of the cooperation in the field of sustainable development after signing the constitutive resolutions in the town council of Slavutych: A.V.Novosovsky, Director of the affiliated branch of NTUU "KPI" in Slavutych; D. Fox-Przhevorska, Director of the UN environment programme in North America, the USA;

M.Z. Zgurovsky, Rector of NTUU "KPI"; K. Ostrovsky, Vice-president of Oleksandr Geishtor Humanities Academy of Pultusk, the Republic of Poland; V.P. Udovychenko, Mayor of Slavutych; W. Siwinski, President of the Poland International Education Foundation PERSPEKTYWY, the Republic of Poland; G.M. Fedorov, Vice-rector of I. Kant Russian State University, Kaliningrad, Russian Federation; V.U. Tyhonov, Head of the International Relations Department of Byelorussian State University, Minsk, Byelorussia; B.A. Tsyganok, Head of the International Relations Department of NTUU "KPI"; S.I. Sydorenko, Vice-rector of NTUU "KPI"; G.O. Statiuha, Director of the established Central-East-European Institute of Sustainable Development; M.V. Rodkin, Geophysics Centre RAS, Chief research worker, Russian Federation.



The Association of Rectors of Higher Technical Educational Institutions of Ukraine was created in 1999 as All-Ukrainian social organization. The main aim of the activities is to assist in the development of technical education which should correspond to international standards.

Supervising organ – general meeting, Association Council guides current events. Statute was approved on October 15, 1999.

The Ukrainian League of Scientific and Technical Intelligentsia, created in 2001 plays also an important role. Its aim is development of scientific and technical potential of the state by means of raising the role of technical intelligentsia, its activation of the influence the processes which determine the development.



September 2008. The Memorandum about creation of scientific-research "Samsung Electronics" center at NTUU "KPI".

Photo: senior Vice-President of "Samsung Electronics" Cho Shung Hagh, members of the delegation and rector M.Z. Zgurovsky at the Branch of aviation and cosmonautics of I.I. Sikorsky State Polytechnic Museum of Ukraine at NTUU "KPI" near the exposition trigger apparatus of multi-seater space ship of "Voskhod" series.

G.I. Denysenko Scientific Technical Library, the Art and Cultural Center and Sports Complex with its 50-metres swimming pool at NTUU "KPI" are also very important elements of the NTUU "KPI" infrastructure.



Mens sana in corpore sano

The National Technical University of Ukraine "KPI" has world renowned traditions in developing and promoting physical culture and sports. It is the alma-mater of V. Lobanovsky – the outstanding football player and coach of the popular "Dynamo Kyiv", the Olympic champion Larysa Latynina, the Olympic champion in rowing Mykyta Nikolsky and many other studied at the University.

Sports complex, one of the biggest in Europe, has a 50-metres swimming pool, gymnasium, halls of weight-lifting, wolley-ball and other sports.



Vivere est cogitare!

A Scientific and Technical Library was founded in 1898. In 1978 a new building for the Library was constructed and now the total area of the Library is 14000 sq m and it is one of the biggest in Europe. At present the Library houses about 3 million volumes in Ukrainian, Russian, English, German, French, Spanish, Arabic and other languages.

Photo: University students in one of the reading halls of Scientific and Technical Library (on the left); the interior of the Library (on the right)

THE CREATION OF JOINT STRUCTURES WITH THE AUTHORITATIVE INTERNATIONAL ORGANIZATIONS AND UNIVERSITIES – PARTNERS IS VERY IMPORTANT FOR OUR UNIVERSITY

Together with GIS – the German Informatics Society – at NTUU "KPI" the **first Authorized Test Center in Ukraine** in the field of computer training of the population was opened under the international ECDL (European Computer Driving License) program approved by the European Union in 2001 and has been working successfully in 140 countries of the world.



Together with Otto-von-Gerike Institute of Welding and Laser Technology (Magdeburg, Germany) the **Joint Ukrainian-German Department** was created, graduates of which will get a double diploma – the diploma of two universities-founders. The aim of the Joint Department is the improvement of training specialists for meeting the demands of entrepreneurs of Ukraine and joint Ukrainian-German enterprises.

On behalf of the Ukrainian part the Institute of Mechanical Engineering, Physics Engineering and Welding Departments of NTUU "KPI" take part in the work of the Joint Department.

Since 2008 together with Dresden Technical University the program "**Double Diploma**" began to work.

In June of 2003 together with the Embassy of Japan in Ukraine was opened the **Ukrainian-Japan Center** which will play an important role in the development of humanitarian cooperation of Ukraine and Japan.

The **Centre of Business French Language** created with the participation of the Embassy of France in Ukraine and University Paris-XII and the Center of European Integration has been functioned since 1998 at NTUU "KPI".

The Ukrainian branch of IEEE (Institute of Electrical and Electronics Engineers) is functioning at the university).



British Council in Ukraine has begun its activities with NTUU "KPI". The educational and cultural structures of the Federative Republic of Germany – **Goethe-Institute** has being accommodated for many years and **DAAD (German Academic Exchange Service)** – is working at the University.

In 2003 – 2004 NTUU "KPI" began to collaborate with the **European Council on Business Education**. It was decided to introduce the programs on business education accreditation, the training of the University teachers on programs of the European Council on Business Education, implementation of information and methodical materials of the European Council on business education into practice.



In November of 2003 at the Department of Management and Marketing the Ukrainian-Polish Office was opened together with Section of KPI graduates in Poland, which has been headed by the great friend of our university Janosh Fuksa during the last 30 years.

At NTUU "KPI" **Ye.O Paton Welding Institute Training and Qualification Centre is functioning.**

The Center is accredited by the International Institute of Welding for the right to train the specialists in welding with the issue of the following diplomas: International Welding Engineer, International Welding Technologist, International Welding Specialist, International Welding Practioner (Instructor). It also has the accreditation of the International Accreditation organ for awarding the qualification of European welder.

On December 24, 2002 at the National Technical University of Ukraine "Kyiv Polytechnic Institute" and O.O. Bogomolets National Medical University the **Intercollegiate Medical Engineering Department** was created for providing Ukraine with specialists of fundamental preparation in the sphere of medical-engineering technologies and medical engineering.

The visits of Salzburg Seminar experts – a world-known non-governmental institution, which carries out the monitoring of processes in humanitarian sphere and the evaluation of which has a great authority in the world, became a remarkable event in the University's life. It was the first acquaintance of Salzburg Seminar with Ukraine and its higher school.

October 2005.

Signing the Protocol on Intentions between the Scientific-methodical complex "National Technical University of Ukraine "KPI" – International Finance University", London Huron University (USA) and Higher Commercial School of the Ministry of Economical Development and Trade of the Russian Federation.



December 2005. In Hangzhou (the People's Republic of China) the opening of the Chinese-Ukrainian Center of High Technologies of the Zhejiang University and NTUU"KPI" took place.

The cooperation is foreseen in the following directions: energy saving and power engineering, mechanical engineering, including aircraft and chemical, laser technique and technologies, material science.



May 2006. The meeting of NATO Scientific committee experts Council in the field of telecommunication technologies and information security.

The choice of KPI was connected with intentions to study the projects and elaborations of our university and to propose new possibilities concerning the participation of scientists of NTUU" KPI" in international scientific programs.

June 2008. At the Faculty of Chemical Technology the Educational-demonstrational Center of the company Dow Chemical (USA) – "Modern technologies and materials for water preparation production" was opened.

Photo: Center opening ceremony.





July 2008. UNIDO experts Mayra Sanchez and Mirko Lesnjak with the University leaders were discussing the main results of UNIDO project "Establishment and Operation of a National Cleaner Production Program in Ukraine", recommendations on creation of the National Center of Cleaner Technology UNIDO at NTUU "KPI".

June 2008. The Ambassador Extraordinary and Plenipotentiary of the Republic of Korea H.E. Hur Seung Chul actively assists in creation of the Ukrainian-Korean Center of Information under financial support of the Government of Korea.



June 2008. At the opening ceremony of the Ukrainian-Polish Center of NTUU "KPI" "Memorandum for Mobility of Students, Masters, Postgraduates, Doctors, Lecturers and Scientists of NTUU "KPI" and Warsaw Polytechnica" and "Memorandum for Students European Football Championship "STUDEURO 2012" were signed.

"ALMA MATER" – NTUU "KPI"



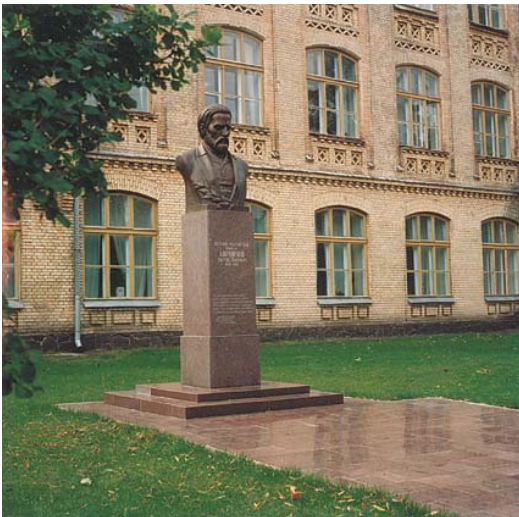
Sapienty sat

The Kyiv Polytechnic Institute emblem of 1898 had four sectors that symbolized the four departments – mechanical, engineering, agricultural, chemical



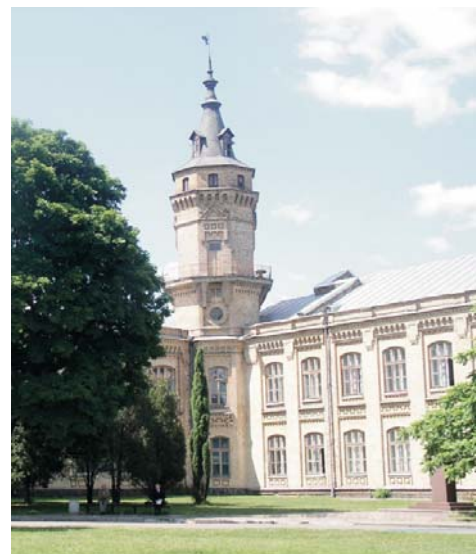
Aguilat volere docer

The main building of the National Technical University of Ukraine "Kyiv Polytechnic Institute" – "Alma-Mater" for 200 000 graduates for the period of 110 years of existence



Fesi, quod potui, faciant meliora potentes

The monument to the first Rector of KPI Kyrpychov (1898–1902), opened on September 14, 1998 near the main building of the University



Per aspera ad astra

The tower is the fundamental architectural part of the main building of the University



1898. The first Rector of KPI, a well-known scientist, gifted organizer of higher education in Russia and Ukraine, Professor Victor Kyrpychov is presiding at the meeting of the Academic Council



Dmytro Ivanovych Mendeleev (1834 – 1907)



***Stepan Prokopovych Tymoshenko
(1878 – 1972)***



***Igor Ivanovych Sikorsky
(1889 – 1972)***



***Mychailo Pylypovych Kravchuk
(1892 – 1942)***



***Sergiy Pavlovych Korolyov
(1907 – 1966)***



***Yevgen Oskarovych Paton
(1870 – 1953)***



***Sergiy Oleksiyovych Lebedyev
(1902 – 1974)***

The life and work of world-known scientists D.I. Mendeleev, S.P. Tymoshenko, Y.P. Paton, S.P. Korolyov, M.P. Kravchuk and many others were closely linked with NTUU "KPI"



January 2007. During the solemn ceremony of inauguration the monument to the Academician Sergiy Korolyov, a well-known scientist in mechanics and control procedure, great designer of rocket-space systems, on the occasion of the centenary from his birth.

Kyivska Polytechnika was receiving the daughter of S.P. Korolyov and his relatives, cosmonauts of Ukraine, Russia and former USSR, veterans of Baikonur, the representatives of the Governmental circles, diplomatic corps, scientific and educational society.

On April 7, 2006 at KPI took place the opening of sculptural portrait **Vitaliy Nykyforovych Grydnyev** (1908–1990), a well-known scientist, teacher, the great organizer of science and education, rector of Kyivska polytechnika (1952–1955), director of G.V. Kurdyumov NAS of Ukraine (1955–1985), founder of the speciality "Physics of Metals".



May 2005. By the order of Pechersk administration of Kyiv (twin-town of Senlis, France) at the Physics Engineering Department a bronze monument to Anna Yaroslavna, the queen of France (sculptor – M. Znoba) was erected. The daughter of Kyiv grand duke Yaroslav the Wise (1019–1054) in 1049 Anna Yaroslavna married Henry I, the king of France. After his death in 1060 she was the regent during her son Phillip's I governing. She spent her last years of life in the castle of San Lis where in July 2005 with the participation of the President of Ukraine V.A. Yuschenko the monument erected at NTUU "KPI" was opened.

Photo: (from left to right) – Deputy Dean of the Physic Engineering Department V.M. Pysarenko, First Vice-Rector Yu.I. Yakymenko, Rector M.Z. Zgurovsky, Vice-Rector S.I. Sydorenko near the monument before its transportation to France.

In memoriam!



Ibi Victoria, ubi Concordia. Ivi victoria, ubi Concordia!

Among solemn ceremonies held on the occasion of the 100-th Anniversary of the University was the presentation of the diplomas of Honorary Doctor of NTUU "KPI" to the world-wide known graduates.

Ceremonial Presentation of the diplomas of "Honorary Doctor of "KPI" (from left to right):

Victor Trefilov – Academician of the National Academy of Sciences of Ukraine (NASU), Director of the Institute of the Material Science Problems named after I.V.Franzevych of NASU;

Volodymyr Nemoshkalenko – Academician of NASU, Director of the Institute of the Metal Physics named after G.V. Kurdyumov of NASU;

Anatoliy Shydlovsky – Academician of NASU, Director of the Institute of the Electrodynamics of NASU;

Mychailo Zgurovsky – Academician of NASU, Rector of the University;

Boris Paton – President of NASU, Academician of NASU, Director of the Institute of Electric Welding named after Ye.O.Paton of NASU;

Igor Karp – Academician of NASU, Director of the Institute of Gas of NASU;

Yuri Yakymenko – Corresponding Member of NASU, the First Vice-Rector of the University

Mykola Novikov – Academician of NASU, Director of the Institute of the Supersolid Materials named after V.M.Bakul of NASU;

Volodymyr Naidek – Academician of NASU, Director of the Physics and Technology Institute of Metals and Alloys of NASU.



Veni, Vidi, Vici!

Foreign citizens have studied at the Kyiv Polytechnic Institute since 1898 – the year of its foundation. For this period more than 6000 highly skilled specialists from 112 foreign countries have been trained. At present about 1700 citizens from 43 countries study at the National Technical University of Ukraine "Kyiv Polytechnic Institute".

The celebration on the occasion of the master diplomas presentation to graduates of the University has become a tradition. During the celebration on the occasion of presentation of the master diplomas to foreign citizens-graduates of NTUU "KPI".

STATE AND POLITICAL FIGURES OF UKRAINE AND THE WORLD – GUESTS OF UNIVERSITY



Beati possidentes

President of the National Academy of Sciences of Ukraine, Hero of Ukraine, the graduate of Kyiv Polytechnic Institute of 1941, Boris Paton – a frequent guest at the University.

Boris Paton (center) with the Rector of NTUU "KPI" Mykhailo Zgurovsky (to the left) presents the diplomas to the first graduates of the Institute of Physics and Technology, created by NTUU "KPI" jointly with the National Academy of Sciences of Ukraine for the preparation of specialists from applicants of great abilities.

Taking into account a great contribution into the coordination of international efforts in the sphere of intellectual property and a personal contribution into involving NTUU "KPI" in this work the Academic Council of the university awarded UN General Secretary, General Director WIPO Kamil Idris the title of "Honorary Doctor of NTUU "KPI"".



The international conference "Technology Foresight for Ukraine". By the invitation of the Government of Ukraine Dr. Carlos Alfredo Mağariños, Deputy UN General Secretary, Director General of UNIDO, is taking part in the conference.

October 2004. The meeting of the participants of the UNESCO project "Open Virtual Campus of E-learning Centers in Technological and Engineering Universities of Central and Eastern Europe".

Presidium (from left to right): First Deputy Minister of Education and Science of Ukraine A.M.Gourzhiy, Rector of NTUU "KPI" M.Z. Zgurovsky, Director of the Department of Analysis and Policy in the Science of UNESCO Secretariat Mustafa El Tayeb, Head of the National Committee of Ukraine for UNESCO, First Deputy

Minister for Foreign Affairs of Ukraine V.Yu. Yelchenko.



June 2004. The Development of cooperation with the countries of South-Eastern Asia (Malaysia, Singapore and other countries) finds its extension during the State visit of His Majesty Sultan of Brunei Darussalam Haji Hassanal Bolkiah to Ukraine.

The meeting of Rector M.Z. Zgurovsky with the Honorary Doctor of NTUU "KPI", a famous NTUU "KPI" graduate of 1956 Lu Tszenfen, the Ex-Minister of Civil Aviation of China, member of the Central Committee of the Communist Party of China during the last years.



April 2006. The delegation of our university fulfilled a pleasant and honorable mission in Tokyo – presented the diploma, gown of Honorary Doctor of NTUU "KPI" to Daisaku Ikeda – President of the International Society "Soka Gakkai International", a philosopher, humanist, teacher and poet – for the merits in strengthening peace, significant contribution into the world science and education, the development of ideas of humanism, friendship and mutual understanding between Ukraine and Japan.



NTUU "KPI" is always in search of perspectives and movements forward. The Observation Council assists the University in these activities.

November 2006. The Vice-Prime-Minister of Ukraine, the Head of the Observatory Council of NTUU "KPI" Prof. D.V. Tabachnyk is speaking in front of the members of the University Administrative Council.



October 2006.

The visit of Prof. Shuichi Iwata – President of the Committee on the Data for Science and Technology (CODATA) of the International Council for Science (ICSU).



September 2006. Visit of the Rector of Royal Technology Institute (Stockholm, the Kingdom of Sweden), President of cluster technical universities of European Union countries Prof. A. Flodström to NTUU "KPI".

European tendencies of the present science and education development, international cooperation on knowledge commercialization and transfer technologies, the use of experience of the Kingdom of Sweden and EC countries in the implementation of energy saving technologies – technologies with the use of energy renewal resources, integration ways of Ukraine to European education area, joining NTUU "KPI" to CLUSTER were discussed.

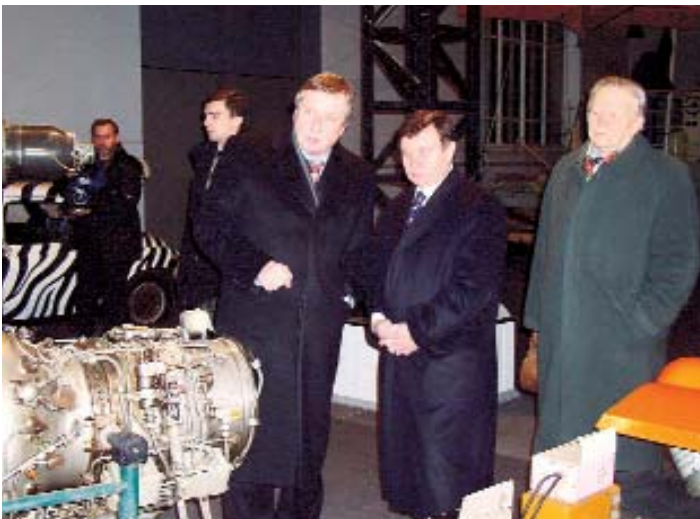


December 2006.

The meeting of the Rector of the University M.Z. Zgurovsky with newly – appointed Extraordinary and Plenipotentiary Ambassador of Ukraine in Japan M.A. Kulnych. The subject of attention was expanding of the cooperation between NTUU "KPI" and educational-scientific sphere of Japan.

TMay 2005. His Highness Prince Michael of Kent of England – grand nephew of Tsar Nicolas II – founder of NTUU "KPI" in 1899 – during his visit to NTUU "KPI" reviewed his impressions: 'What a happy man my grand-father would have been if he had seen the institute that he had founded!'

Photo: Prince Michael of Kent at the State Polytechnic Museum of Ukraine at NTUU "KPI".



December 2006. Visit of the First Deputy Head of Verkhovna Rada of Ukraine A.I. Martynyuk. The most typical problems of the development of science and innovation at universities of Ukraine after the example of KPI activity were discussed.

April 2007. The lecture of Lithuanian Prime Minister G. Kirkinas "Lithuania and Ukraine – partners in Europe" for students of NTUU "KPI".





August 30, 2004. The Prime-Minister of Ukraine V.F. Yanukovych is announcing the Order of the President of Ukraine concerning the development of NTUU "KPI".

July 2006. Prime-Minister of Ukraine Yu.I. Yekhanurov, the First Vice-Prime-Minister of Ukraine C.T. Stashevsky, heads of some ministries and departments are getting acquainted with scientific developments of NTUU "KPI" scientists and the program of the development of Science park "Kyivska Polytechnika".



Lately NTUU "KPI" has begun cooperation with the partners in the Turkish Republic. There were signed the following documents: the Agreement on cooperation between the Middle East Technical University and NTUU "KPI", Protocols on the creation of microspuhtic and unmanned aircraft, "Memorandum on cooperation between technoparks "Kyivska Polytechnika" and "Ortadogu Teknopark A.S." at the Middle East Technical University which met a powerful support from the Prime Minister of the Turkish Republic P.T. Erdogan during his visit to NTUU "KPI" in April 2004.

May 2007. High Commissioner of UN on the promotion and protection of the right to freedom of opinion and expression Ambayi Ligabo during his stay in Ukraine was acquainting with the state of Ukraine's fulfillment of obligations concerning Universal declaration on human rights.

Photo: Mr. Ambayi Ligabo during the visit to NTUU "KPI" is communicating with Ukrainian and foreign students and the leaders of International Cooperation Department.





February 2008. H.E. Prof. Emil Konstantinescu – President of Romania in 1996–2000 – in the Academic Council Hall is delivering a lecture "Experience of Romania in European Integration" to students, teachers and employees of the university.

May 2008.

Solemn ceremony of opening the monument to the outstanding scientist – designer of aircrafts and helicopters, the former student of KPI I.I. Sikorsky (1907–1911) and opening of the I.I. Sikorsky section of space and cosmonautics in the structure of the State Polytechnic Museum of Ukraine at NTUU "KPI".



Photo: Mayor of New-York in the 90-ies, the famous politician R. Giuliani is speaking.



May 2008. Visit of the Mayor of New-York in the 90-th R. Giuliani and the deputy of Kyivrada, champion in boxing V. Klychko.



April 2008. The First Vice-Prime-Minister of Ukraine O.V. Turchynov, members of the Government, people's deputies of Ukraine, leaders of ministries and departments are acquainting with developments concerning strategic directions of economics development, with the national project of Science park "Kyivska Polytechnica" development.

Photo: near one of the most interesting for economic complex of Ukraine displays of the Science park – operating model of unmanned airplane designed by the scientists of Aircraft and Space Systems Department of NTUU "KPI".

June 2008. Visit of the USA Minister of Trade Mr. Carlos Gutierrez will serve enlivening the dialogue between governmental circle business, science and education. Minister of USA got acquainted with the activities of the opened at NTUU "KPI" recently created together with CISCO – the world leader in the field of equipment and network technologies – Entrepreneur Institute, the first in CIS Entrepreneur Institute. "I was very glad to visit NTUU "KPI" and see the progress of your technologies and achievements in cooperation with the American business abroad", – said Mr. Carlos Gutierrez.



Photo (from left to right): Rector M.Z. Zgurovsky, Minister Carlos Gutierrez, manager of CISCO company on development of business in countries, economics of which is developing, Ned Kebot, leader of the group of scientific advisers and consultants of the Prime-Minister of Ukraine, Head of the Observatory Council of the Science Park "Kyivska Polytechnica" O.O. Zinchenko at the CISCO Entrepreneur Institute at NTUU "KPI".



September 2007. The First Vice-Prime-Minister of Ukraine, corresponding member of NAS of Ukraine M.Y. Azarov is delivering the lecturer to students and teachers of the university. According to the First Vice-Prime Minister the physical and technical model of education at NTUU "KPI" includes getting of wide fundamental natural education, acquiring of engineering knowledge at senior courses and practical skills at the Science park "Kyivska Polytechnica", in particular. In the frames of this model the training of specialists, required by the national economics, world markets of labour, is being provided.



*July 2004.
Members of NTUU "KPI"
Supervisory Board near
the monument to Yugen
Paton.*

Photo (from right to left): Yu.I. Yakymenko – First Vice-Rector of NTUU "KPI", A.M. Gurzgy – First Deputy Minister of Education and Science of Ukraine, V.A. Zgursky – Head of Kyiv City Council in the 80-ies, D.V. Tabachnyk – Vice-Prime-Minister of Ukraine, V.F. Masol – Prime-Minister of Ukraine in the 90-ies, B.Ye. Paton – President of NAS of Ukraine, M.Z. Zgurovsky – Rector of NTUU "KPI", I.F. Kuras – Vice-president of NAS of Ukraine, V.P. Gorbulin – Assistant of the President of Ukraine I.V. Sergiyenko – Director of the Institute of Cybernetics of NAS of Ukraine, G.B. Varlamov – Vice-Rector, V.Yu. Myronov – Head of students trade union, M.V. Pechenyk – Vice-Rector, S.I. Sydorenko – Vice-Rector, M.Yu. Ilchenko – Vice-Rector, V.I. Molchanov – Head of trade union of university employees.

In 2006 the decision about creation of the Association of graduates of Kyiv Polytechnic Institute was taken.

For this period the Association headed by the well-known political and state figures in the country: V.A. Masol – Prime Minister of Ukraine (1987–1990, 1994–1995), Yu.N. Yelchenko – deputy of Verhovna Rada of USSR and chief of Kyiv in 80-ies, M.K. Rodionov – people's deputy of Ukraine of the 4-th convocation, A.I. Povzyk – President ZAT "Mining and Coal-mining complex "Bilychi"", L.I. Koshyk – Head of projects "Industrial group consortium") and others, – many useful deeds has already been done. Little by little the role of Association in the university activities increases, in front – new good deeds in the name of native KPI!



Photo: meeting of founders of the KPI graduates Association in January 2008

MEETINGS WITH AMBASSADORS EXTRAORDINARY AND PLENIPOTENTIARY OF FOREIGN STATES IN UKRAINE BECAME REGULAR

May 2006. A solemn ceremony of the Ukraine-Japan Center inauguration.

Photo: the Ambassador Extraordinary and Plenipotentiary of Japan in Ukraine H.E. Mr. Mutsuo Mabouchi and Rector of NTUU "KPI" M.Z. Zgurovsky are opening the Center.



December 2007.

The Ambassador Extraordinary and Plenipotentiary of the Republic of Finland in Ukraine H.E. Mr. Christer Michelsson took part in celebration of the 90-th anniversary of the Republic of Finland.



September 2008. The visit of Ambassador Extraordinary and Plenipotentiary of the Republic of Korea in Ukraine H.E. Mr. Park Ro-byug. During the meeting the creation of Ukrainian-Korean IT Center and Ukrainian-Korean Cultural Center, cooperation between sportsmen (in teakwood and hand-to-hand fight) were discussed.



December 2005. Ambassador Extraordinary and Plenipotentiary of the Republic of Finland in Ukraine Laura Reinil in the Academic Hall with the students – participants of amateur talent activities.

February 2006. Ambassador Extraordinary and Plenipotentiary of the French Republic in Ukraine Pol Vezian and Rector of NTUU "KPI" M.Z. Zgurovsky are signing the Agreement on the creation of the French Information and Educational Centre.



Day of Africa at NTUU "KPI". On May 25, 1961, in Addis-Ababa, capital of Ethiopia, 32 countries of Africa adopted the Statute of the Organization of African Unity. This day went into history as the Day of Africa.

Photo: Ambassadors Extraordinary and Plenipotentiary of People's Democratic Republic of Algeria, Arab Republic of Egypt, Great Socialist People's Libyan Arab Jamahiriya, Kingdom of Morocco, Federal Republic of Nigeria, Republic of South Africa in Ukraine marked the Day of Africa – May 25, 2007 – by visiting Kyiv Polytechnic.



November 2007. Visit of Ambassador of Great Britain and North Ireland in Ukraine H.E. Mr. T. Barrow. The opening of the computer technologies laboratory of education of the British firm DELCAM at the Institute of Mechanical Engineering.

November 2007. Due to the Agreement on cooperation between NTUU "KPI" and the British company DELCAM Pic at the Chair of instrument production the joint educational Center CAM/CAD technologies was opened.

Among the invited guests were: Ambassador of Great Britain and North Ireland in Ukraine H.E. Mr. T. Barrow, Executive Director of DELCAM company Mr. H. Humphreys, representative of DELCAM, Director of the project "Computer technologies for CIS universities" N.Pogodayeva, Director of Institute of super solid materials of NAS of Ukraine Academician M.V. Novikov, Rector of Zaporizhzhya National Technical University S.B. Belikov, Rector of Kryvyi Rig Technical University A.D. Temchenko, Rector of Crimea Engineering-Pedagogical University F.Ya. Yakubov, representatives of the leading machine building enterprises of Ukraine, teachers and scientists of NTUU "KPI".

Rector of the University M.Z. Zgurovsky marked that implementation of information technology is the necessary condition of the development of economics and industry of our country. He thanked the British party for realization of the first project stage and expressed confidence in its successful continuation



November 2007. In the International conference "Promitheas the Energy and Climate Policy network" under the project "PROMITHEAS-2" Ambassadors Extraordinary and Plenipotentiary of the Hellenic Republic in Ukraine H.E. Mr. X. Dimitriou is taking part.



November 2007. The visit of Ambassador Extraordinary and Plenipotentiary of Romania in Ukraine H.E. Mr. T.Hristea. The perspectives of the cooperation of Ukrainian and Romanian universities for 2008–2010 – the period of presidency of Rector of NTUU"KPI" M.Zgurovsky in BSUN (Black Sea Universities Network) – are being discussed.



September 2007. The Ambassadors Extraordinary and Plenipotentiary of USA in 90-ies H.E. Mr. Villiam Miller together with his wife are discussing with university leaders the question of preparation for series of lectures and seminars on modern problems of Ukrainian and American cooperation for students of Kyiv universities.



June 2008.

Ambassador Extraordinary and Plenipotentiary of the Republic of Poland in Ukraine H.E. Mr. J. Kluczkowski at the opening ceremony of the Ukrainian-Polish Center at NTUU "KPI".

FOLLOWING THE WAYS OF INTEGRATION

The role of NTUU "KPI" in the development of cooperation with the Republic of Estonia is of great value.

February 2006. President of the Republic of Estonia Arnold Ryuitel is awarding Rector M.Z. Zgurovsky the Order of the Earth of Saint Maria.



February 2007, Bucharest. Meeting of President of Romania T.Basescu and Rector M.Z. Zgurovsky elected as the member of "Presidential Troika" of the Black Sea Universities Network – BSUN and BSUN President for 2008–2010.

During the meeting President Basescu highly appreciated BSUN activities, considerable BSUN contribution in the processes of transformation of the Black Sea region into the zone of stable development and security on the European continent and expressed his support to new BSUN projects, in which NTUU "KPI" participates.

NTUU"KPI" fulfills many joint educational and scientific projects with higher educational institutions of France (Central school of Lion, University of Jan Mulen Lion 3, University of Man etc.) The relations with École Polytechnique – recognized leader in the field of science and education of France – are also established.

Photo: May 2008. President of École Polytechnique Mr. Xavier Michel and the First Vice-Rector of NTUU "KPI" Yu.I. Yakymenko are signing the Agreement on cooperation, establishment the program of double magistracy and post-graduate courses, on the fulfillment of joint scientific projects.



February 2007. The Signing of the Agreement on partnership, cooperation and scientific exchange between the National Technical University of Ukraine "Kyiv Polytechnic Institute" and Polytechnic University of Torino (the Republic of Italy).



September 2006. The Senate of Warsaw Polytechnics takes the decision on cooperation with NTUU "KPI" on a large scale.



110 years ago according to one and the same order of Czar Nicholas II the decision on the foundation of three higher technical institutions – Kyiv, Warsaw and Saint-Petersburg Polytechnic Institutes – was approved. Since that time the partner relations between them began to develop. Great merits in recommencement in new historical conditions and the development of cooperation between NTUU "KPI", Warsaw and Saint-Petersburg polytechnics belong to V.Kurnik.

Photo: March 3, 2008. A solemn ceremony of awarding the title of Honorary Doctr of NTUU "KPI" to Rector V. Kurnik.



June 2007. The working seminar "Perspective measures in science and education" with participation of three twin-universities Kyiv, Warsaw and Saint-Petersburg polytechnics.



Photo: Rector of Saint-Petersburg State university M.P. Fedorov, Rector of NTUU "KPI" M. Zgurovsky, Rector of Warsaw Technological University V. Kurnik, counsellor of Embassy of the Republic of Poland in Ukraine O. Gnatyuk are presiding at the seminar.



Photo: meeting of delegations of twin-universities before the beginning of the seminar.



March 2008. The visit of the delegation of the Seim of Poland headed by A. Smirnov – Head of Seim Commission on education, science and youth. The members of the delegation – S. Klosovski – Deputy Head of the Commission, M. Pavlyak – the member of the Commission, E. Voitsekhovska – secretary of the Commission, O. Gnatyuk – Council of the Embassy of the Republic of Poland in Ukraine.

March 7–8, 2008. In the center of EXPO XXI (Warsaw, Poland) an International exhibition, organized by educational foundation *Perspektywy 2008*, was organized. Ukraine was the honorary guest of this event. International exhibitions *Perspektywy* attract the attention of about 400 exhibitors and about 55 000 visitors. At the solemn opening of the exhibition were present: – Minister of education of the Republic Poland K. Hall, Deputy Minister of education and higher education Ye. Dushynsky, First Deputy Minister of Culture P. Zhukovsky, Head of the Council of Association of rectors of higher technical educational institutions of Ukraine, Rector of NTUU "KPI" M. Zgurovsky, the First Deputy Minister of education and science of Ukraine O. Grebelnyk, President of the foundation *Perspektywy* W. Sivinski.



June 26, 2008. The start of the Ukrainian-Polish Center at NTUU "KPI". Via the Center many new important projects of Ukrainian-Polish cooperation, including the cooperation in educational, scientific, technical and innovation spheres, the cooperation on the problems of sustainable development (in particular, energy of sustainable development), interaction of libraries, including, electronic, organisation of exhibitions, international events in education, science, culture and sports, increasing of students exchanges, mobility, will be carried out.

Photo (from left to right): Director of the Ukrainian-Polish Center S.I. Sydorenko, Rector M.Z. Zgurovsky, President of "PERSPECTYWY" W. Sivinski, Ambassador Extraordinary and Plenipotentiary of the Republic of Poland in Ukraine H.E. Mr. J. Kluckowski.

INTERNATIONAL CONFERENCE CODATA-21 "SCIENTIFIC INFORMATION FOR SOCIETY: FROM TODAY TO THE FUTURE"



October 2008. Due to order of the Cabinet of Ministry of Ukraine from September 15, 2007 #656-p at the National Technical University of Ukraine "Kyiv Polytechnic Institute" the 21-st International conference and the 26-th General Assembly of CODATA (Committee on Data for Science and Technology) – interdisciplinary committee of the International Council of Science (ICSU) took place.

The activity of CODATA is directed to increase the quality, reliability and access to data base in different important spheres of science and technologies for improvement of its control. CODATA – resource, which provides the access of scientists and engineers to international data base with the aim of increment of information distribution, providing possibilities of direct cooperation and acquiring of new knowledge.

Photo: CODATA President Krishan Lal is opening the conference.

In the Presidium (from left to right): Ray Norris – representative of CODATA National commissions, O.O. Zinchenko – special representative of the Prime-Minister of Ukraine Yu.V. Tymoshenko, B.Ye. Paton – President of NAS of Ukraine, Wataru Iwamoto – Director of the Department of Social Sciences, Research and Politics of UNESCO, M.Z. Zgurovsky – Rector of NTUU"KPI", Shuishi Iwata – CODATA Ex-President, V.A. Ivchenko – Head of the State Agency for Investments and Innovations, B. Carroll – President of International Information Association.



Special representative Wataru Iwamoto is greeting conference participants on behalf of UNESCO Director General Koïchiro Matsura.



Special representative O. Zinchenko is greeting conference participants on behalf of Prime-Minister of Ukraine Ju. Tymoshenko.



Volodymyr Polokhalo – Head the Verkhovna Rada Commission on science and education is speaking.



Prof. Bogdan Gavrylyshyn (left) and Ex-President of CODATA prof. Shuishi Iwata.



CODATA President Krishan Lal (right) and President of the National Academy of Sciences of Ukraine Borys Paton.



Prof. Liu Chuang – CODATA laureat in 2008.

More than 400 scientists from 32 countries of the world took part in the conference "CODATA-21". The theme of transfer the experience of elder to young generation of scientists became a particular feature of "CODATA-21" in comparison with the previous CODATA conferences.



October 3–4, 2008. Science school "Kyiv School. Data Science and Design Science on Materials" for young scientists and students under the guidance of Prof, S.Iwata (Japan) and Prof. R.Radjan (USA)



October 5, 2008. International symposium. "Models of risks and their use". CODATA RMA Symposium 2008)



Scientific session "World Data Centers. New technologies and possibilities for global guidance and data exchange".



At the poster sessions.



About 200 students of NTUU"KPI", members of student's service groups, gained a valuable experience of organization and holding international conferences; such practice of youth involvement to management of international events in every way will be supported in future international university events.



At the final meeting of "CODATA-21".



Future – in hands of young generation!



October 8, 2008. Participants of "CODATA-21" in the University Academic Council Hall.



Good Bye, "CODATA-21"! Good Bye, Kyiv!



*Ukraine, Kyiv, NTUU "KPI" pass a baton to South-African Republic!
Welcome to Capetown – the town,
where the next conference "CODATA-22" will be held!*

COOPERATION WITH EDUCATIONAL AND SCIENTIFIC SPHERE OF THE RUSSIAN FEDERATION



May 2005. Working meeting "Regional Cooperation of Scientists of Belarus, Russia, Moldova and Ukraine with the International Council for Research (ICSU): new opportunities in the frames of ICSU strategic plan for 2006–2012".



December 2006. International seminar "Distance education, the Preparation of Employees, Technologies, Information and Analytical Preparation" held in the frames of the UNESCO project "Higher Education Open and Distance Learning Knowledge Base for Decision – Makers" together with UNESCO Institute of Information Technologies in Education (Moscow).

New steps towards renewing relations – traditionally strong in the past – with technical universities, scientific and industrial circles of Russia were made.

On October 11, 2002 the visit of the Ambassador Extraordinary and Plenipotentiary of the Russian Federation in Ukraine V.S. Chernomyrdin to NTUU "KPI" took place. During the friendly meeting Rector of the University presented history of creation and formation of Kyiv Polytechnics, strategic directions of further development, including expansion of cooperation with scientists, teachers and students of universities of the Russian Federation.





August 2005. The visit of the Ministry of Education and Science of the Russian Federation A.O. Fursenko. The prospects of cooperation between Russia and Ukraine in scientific and educational spheres, the reforms of systems of higher education of both countries were discussed. The parties marked the importance of cooperation for the development of higher education and science, – collaboration of Ukrainian and Russian scientists and teachers, in particular.

March 2006. The cooperation of universities-twins: the ceremony of awarding the title of Honorary Doctor of NTUU "KPI" to the first President of Saint-Petersburg State Polytechnical University Prof. Yu.S. Vasylyev.



January 2006. The meeting of the Rector M.Z. Zgurovsky with the Rector of Moscow M.V. Lomonosov State University Academician of the Russian Academy of Sciences V.A. Sadovnychy during which the agreement on cooperation between NTUU "KPI" and Moscow M.V. Lomonosov State University on the projects of educational and scientific fields, innovation activities, the cooperation of students organisations was achieved.

April 2006. The first forum of creative and scientific intelligentsia of CIS countries at M.V. Lomonosov State University. The aim of the forum is to work out recommendations concerning the level of multilateral human cooperation, the creation of civilized services markets in this sphere, the saving and development of cultural and human potential, material and spiritual heritage in the interests of social and economic progress of CIS countries.

Photo: the Rector of NTUU "KPI" M.Z. Zgurovsky is delivering a speech at the forum. Presidium: President of Russia V.V. Putin, Rector of Moscow M.V. Lomonosov State University V.A. Sadovnychy.





November 2006. International seminar "The Start of the Ukrainian Division of the World Data Center in partnership with Geophysical Center of the Russian Academy of Sciences".

Photo: November 2006. Honorary Doctors of IASA O.D. Gwishiani, O.O. Gliko, M.Z. Zgurovsky are opening the seminar. Gwishiani Oleksiy Dzhermenovych – Corresponding member of RAS, Doctor of Physics and Mathematics, Member of the Academy of Sciences of Ukraine, Professor in Mathematics of M. Lomonosov Moscow State University, Deputy Director General of

O. Schmidt Institute of Physics of the Earth of the Russian Academy of Sciences, Deputy Head of the Committee of the World Data Center of International Council of Science, Vice-President of the European Middle Sea Seismological Center (France); Gliko Olexandr Olegovych – Academician of the Russian Academy of Sciences, a famous scientist in Geophysics and Geothermometry, member of International Geothermometry Association.

The solemn ceremony on the presentation of diploma, gown and a memorable medal of the Honorary Doctor of NTUU "KPI" to Prof. O.M. Tsyganenko, Rector of Moscow State University of Printing, a leading special higher educational institution, which prepares highly qualified specialists in most important spheres of polygraphs and publishing.



Academician Zh. Alforyov – Vice-President of Russian Academy of Sciences, Director of A.F. Ioffe Physics-Engineering Institute of Academy of Sciences of Russia (Sankt-Peterburg) – the Honorary Doctor of NTUU "KPI".

Academician Zh.I. Alforyov works actively at the development of cooperation between scientists of Ukraine and Russia. "The Fund of Zh. Alforyov" founded in 2003 promotes this work. The Ukrainian branch of the Fund of Zh. Alforyov functions at NTUU "KPI".

In December 2007 the eighth Russian-Ukrainian seminar "Nanophysics and nanoelectronics" was held with the participation of the scientist.



April 2008. Russian-Ukrainian seminar "The Forming of the Global Geoinformation Area for the Study of Actual Problems about the Earth" with the participation of the scientists of Russia and Ukraine.

Photo (from left to right): Director of Geophysical Center of RAS corresponding member of RAS O.L. Gvishiani, Director of the O.Yu. Shmidt Institute of Physics of the Earth of RAS Academician O.O. Gliko, Director of the Ukrainian State Scientific-Research and Project-Design Institute of Mine Geology, Geomechanics and Surveyor Activities M.Ya. Azarov. Academician-Secretary Department of Science about the Earth of RAS Yu.G. Leonov, Vice-President of NAS of Ukraine Academician of NAS of Ukraine A.G. Naumovets, Academician of NAS of Ukraine M.Z. Zgurovsky, Director of S.I. Subbotin Institute of Geophysics of NAS of Ukraine Academician of NAS of Ukraine V.I. Starostenko.

Presidium of Russian Academy of Sciences supported plans of development of cooperation of scientists of Ukraine and the Russian Federation in geoinformatics and sustainable development.

The cluster is formed consisting of five World data centers working in Russia and World data center "Geoinformatics and Sustainable Development" which is functioning in Ukraine at NTUU"KPI" basis. Agreement on partnership, cooperation and scientific exchanges with All-Russian Research Institute of Hydrometeorological Information – World Data Center (Obninsk, Russia) and with Geophysical Center of RAS (Moscow) is signed.



Presidium of the Russian Academy of Sciences. After the report made by M.Z. Zgurovsky "World Data Centres" President of RAS academician Yu.S. Osipov is handing the diploma of foreign member of RAS and a high award – the medal of M.V. Lomonosov – to M.Zgurovsky.

COOPERATION WITH EDUCATIONAL AND SCIENTIFIC SPHERE OF USA



May 2005.

At the 8-th International conference "Energy Security of Europe of the XXI century Eurasian Energetic Corridors" traditionally being held at NTUU "KPI" the minister of energy of the USA Samuel Bodmen participated.



June 2005.

Meeting with the delegation of the American company Ignites Learning System headed by Head of Directors Council Nil Bush (photo: the first one on the left).



November 2007.

The meeting with the KPI graduate of 1973 Michael Polsky who graduated Heat Power Department, went to work to the US, got the second (business) education at Chicago university. Now he is the President of one of the most successful companies "Invenergy" which is working at the market of renewed energy sources.

The meeting determined the ways and directions of cooperation with the Chicago university, in particular, with the company "Invenergy", among which are as follows: the transfer of Chicago university experience on training specialists in the sphere of innovation entrepreneurship to teachers of NTUU "KPI", the foundation of the Center of innovation entrepreneurship, a joint research in ecology and some other scientific directions.

September 2007.

Marianna Slokum – ethnic Ukrainian, graduate of Massachusetts Institute of Technology, USA, Head of the section of MIT graduates in Washington and her son Pic Slokum actively assist in the development of cooperation between scientists of NTUU "KPI" and Massachusetts Institute of Technology.





leaders of the national high technological companies, creators of new technique.

May 2007.

The visit of the special representative of the USA State Department Frank Mermoud contributes to cooperation of NTUU"KPI" with the scientific and innovation spheres of the USA.

The distinguished guest got acquainted with the developments of Science Park "Kyivska Polytechnika", met with the representatives of government of Ukraine, top managers of American companies in Ukraine, the

Frank Mermoud's visit is an important step in the direction of the commercialization of NTUU"KPI" innovation projects at the international markets. New opportunities are being opened for the cooperation of companies of Ukraine and the USA, the exchange of technologies will be simplified that will serve science development. It became possible to carry out joint projects, the exchange of experience between scientists of Ukraine and USA, holding business meetings with representatives of science and business.

The important result of the meeting became the creation in the USA "US PolyTech" firm which introduces our University at the international commercial measurement, promotes developments of NTUU"KPI" scientists at international markets and became one of the foreign partners of the Science Park "Kyivska Polytechnika".

In March 2007 in the frames of the Protocol on cooperation between the University of the state of Minnesota, Duluth city, and NTUU"KPI" signed in June 2006 Rector M.Z. Zgurovsky visited the mentioned University. The visit contributed to the deepening of the cooperation of scientists of universities-partners in priority directions in Chemistry, Material Science, modern materials and metallurgy, sustainable development, energysaving technologies, in particular – energy saving fuel, alternative kinds of fuel, bio fuel, protection of population from the risks of XXI century (epidemics, malaria, AIDS, tuberculosis), the monitoring of radiation situation, the protection from irradiation, biotechnologies, nanosciences in different fields of knowledge.

In July 2007 the visit-answer of the delegation of the Institute of Research of Natural Resources of the University of Minnesota headed by its Director Prof. M. Lalich took place.



Meetings in Duluth in March 2007



And in Kyiv in July 2007.

BLACK SEA COOPERATION

September 2006. Visit of Prof. E. Mamut – Executive Director of BSUN (Black Sea Universities Network) which unites about 115 universities of 11 countries of the region (Azerbaijan, Albania, Bulgaria, Armenia, Hellenic Republic, Georgia, Moldova, Russian Federation, Romania, Turkey and Ukraine).

The Congress of rectors of BSUN universities held at the Technical University of Varna (Bulgaria) elected Rector of NTUU "KPI" M.Z. Zgurovsky the President of BSUN for the period of 2008–2010.

The Congress approved a number of NTUU"KPI" initiatives concerning the priority directions of regional universities: the development of the information society and the information infrastructure of the Black Sea region, the implementation of the model "Research University" via BSUN members, the fulfillment of projects on the problem "Sustainable development", the use of NTUU"KPI" technologies in telemedicine for the creation of "quick reaction" system in case of technique and other disasters, the development of innovation.



pices of BSEC and EC project "PROMITHEAS-2" with the participation of Ambassador Extraordinary and Plenipotentiary of the Hellenic Republic X. Dimitriou.

At the Institute of Energy Saving and Energy Management investigations of PROMITHEAS-2 program "Creation of the network for forming of policy in the sphere of energy and changing of the Black Sea region climate" are carrying out where the coordinator is the National University of Athens, Hellenic Republic.

November 2007. The International seminar "Mechanisms of Joint Implementation and Clean Development in BSEC Countries" under the aus-



June 14 – 16, 2007. Round table of BSUN members universities on sustainable development problems.

On April 2 – 5, 2008 BSUN "Forum of Higher Education" took place at NTUU"KPI". The organizers of this event were Ministry of Education and Science of Ukraine, Black Sea Universities Network, Ukrainian Council of Peace, UNESCO Chair "Higher Technical Education, Applied System Analysis and Informatics" under the auspices of European Center of UNESCO (UNESCO-CEPES).

As a result of the Forum the Declaration of the University Rectors for the Sustainable Development was adopted.



April 3, 2008. Solemn ceremony of opening of "Forum on Higher Education" – Congress of Black Sea Universities Network at NTUU"KPI".



Forum on Higher Education-Congress of the Black Sea Universities Network
National Technical University of Ukraine "Kyiv Polytechnic Institute"
Ukraine, Kyiv, April 2-5, 2008

INTERESTING AND MANY-SIDED STUDENTS LIFE

Students of Physics Engineering Institute – the winners of International Olympiads in Mathematics, Informatics, Physics at the world level. They are the hope and future of NTUU "KPI"!



Every year NTUU "KPI" becomes Alma Mater for 7 thousands of young people who enter the university. On the occasion of the traditional Day of the first-year students the "Flame of Knowledge" is being set on fire and the "Key to Knowledge" is given to the students.



March 2008. Head of Observatory Council of the Charitable Fund "Ukraine – 3000" K.M. Yuschenko was acquainting with history and preset life of the University, organization of educational and pedagogical process, scientific research, with the work of the Science Park "Kyivska Polytechnika" and other directions of university activities on assertion of innovation model of development of the state.

Photo: a meeting with K.M. Yuschenko during a rehearsal with students – members of amateur troupe in the Culture and Art Center of the University.

G.I. Synytsa Art Gallery – one of the important constituent system of aesthetic, mental and patriotic education functioning at the University.



All right!

*The future young generation is growing up!
In the flat of a family postgraduate hostel, a citizen of Sri Lanka Khazmin Mohamed Rumi lives with his wife and their son Shazmi Akhamed.*



Amicitia vitam ornate

*NTUU "KPI" brought us together!
Students from China, Vietnam, Jordan, India, Pakistan near the main building of the university.*



2007. Excellent students – foreign citizens, at the excursion at the Verkhovna Rada of Ukraine.



Otium post negotium

From year to year the living conditions for students and postgraduates have improved at 22 hostels accommodating 10500 students.



Students of the Institute of Mechanical Engineering during the lesson at the laboratory of mechatronics, the equipment of which was delivered by FESTO – the partner of the Institute.

Scientific research in the sphere of physical material science, physics of solid, nanotechnologies is carried out; new interdisciplinary specializations – computer material science, biocompatible metal materials for medicine – are in the process at the Department of Physics Engineering. Students are involved in research.

Photo: in the Auger-spectroscopy laboratory.



Conception of NTUU"KPI" specialists training – future builders of society, founded on knowledge – is based on model of research university, takes into account the rich university traditions as historical principles of the present KPI.

Preparation of youth to future professional activities is organized as unity of fundamental natural, aesthetic, spiritual and patriotic education.



Variety of international university life is shown in out-of-school forms of work with Ukrainian and foreign students.

EVER YOUNG KPI! A GLANCE INTO FUTURE



Magna Charta Universitatum

September 16, 2003, at Bologna University on behalf of NTUU "KPI" Rector M.Z. Zgurovsky signed the Magna Charta of the European Universities (Magna Charta Universitatum). By doing so, NTUU "KPI" joined the association of more than 430 European universities which shares the unity of aims of the European universities declared by "Magna Charta Universitatum", the principles of forming of the common European educational and scientific area.

International seminar "Higher Education in Ukraine and Bologna Process" organized by the UNESCO-European Center for Higher Education (UNESCO-CEPES) and NTUU "KPI", in partnership with the Council of Europe, the European Association of Universities. It was that UNESCO seminar which made a decision in May 2004 to recommend Bologna secretariat in Bergen (Norway) to accept Ukraine an official member of Bologna process.



*September 2008.
Kyiv Polytechnic is 110 years!*





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"Kyiv Polytechnic Institute"***