

**THE IGOR SIKORSKY KYIV
POLITECHNIC INSTITUTE
DEVELOPMENT STRATEGY
FOR 2020-2025
(IN TERMS OF INTERNATIONAL
ACTIVITIES,
DEEPENING INTERNATIONALIZATION)**



2020

1.13. UNIVERSITY ACTIVITIES IN THE REALM OF INTERNATIONAL RELATIONS

In the realm of international relations, the Igor Sikorsky Kyiv Polytechnic Institute (KPI) should foster a deeper internationalization, strengthen the international pillar in all aspects of its activities, gear research and educational techniques (including dual education techniques) to training competitive specialists to work in global education, science and innovation markets, as well as continue carrying out reforms on the model of a research-intensive university of leadership type in accordance with internationally recognized criteria.

It is necessary to adopt the progressive experience of world universities and put it into practice in all areas of KPI's activities.

Constraining factors in the development of KPI's international activities are the insufficient level of knowledge of Business English, European culture, history and mindset by a significant part of students and faculty, as well as the low activity of nearly 20% of departments in the international sphere.

Through the expansion of international mobility of students, young teachers and researchers, and other forms of international cooperation, KPI should significantly intensify the training of a new generation of teachers, researchers and managers, educated on the principles of global, European thinking and European integration activities, who are proficient in English.

Owing to this, KPI should increase the number of students enrolled in double degree programs and involved in academic mobility programs in partnership with universities in developed countries.

It is time to expand the participation of KPI youth in international programs designed to educate leaders for the future of Ukraine – people of a new European mindset and new ambitions.

There is a need to strengthen international academic mobility, above all for postgraduates and master's degree students, young teachers and scientists. This is the way to expand KPI's participation in international consortia that submit project proposals under international grant programs, thereby increasing the number of awarded international research grants.

As far as international cooperation in research is concerned, the University should enhance the efficiency of its departments' participation in international grant programs by 3-5 times (introducing them to each department), including the European Union programmes such as Horizon Europe and ERASMUS+, as well as projects within the NATO Science for Peace and Security programme, among others.

Due to this and other types of foreign economic activity, the University should increase the amount of annual institutional income to 20-25%.

To this end, it is necessary to trigger new mechanisms to intensify the work of primary subdivisions in the international sphere:

- Break psychological barriers, overcome fears and concerns about the

international sphere, as well as clear up a misunderstanding that the development of subdivisions is possible at the expense of international sources only

- Rely on young teachers and young researchers in this regard
- Introduce new elements of motivation and reporting
- Initiate a ranking of subdivisions (departments, faculties, institutes) in the area of international activity based on the analysis of the indicators of world university rankings, which are used by universities across the world.

In order to strengthen a motivation of each teacher and researcher to participate in international activities, the ranking of academic staff should include indicators reflecting the activity of each teacher and researcher in international activities, and the individual plans of teachers should include the section "International Activity".

It is necessary to develop and introduce economic incentives to support those university staff, postgraduates and students who organize and develop international activities; introduce the practice of establishing funds at the level of the university and departments to sustain and stimulate international activities at the expense of income from the foreign economic sector.

Based on the analysis of the department rankings, the work with the heads of those departments, which are not currently engaged in international activities, should be initiated. The "young nucleus" of such departments should be involved in this work.

To strengthen the participation of scientific schools in international programs of the European Union, we need to introduce monitoring of project and grant activities at the level of faculties, institutes, and departments, and to start work immediately with those that have the lowest indicators of activity in this area.

We should provide trainings for scientific schools with the help of the National Contact Points within the EU Horizon 2020 program; identify "crystallization centers" at each faculty and institute – groups of young teachers and researchers who have already been successful in international project and grant activities, and have a gift for this field. We should pay special attention to them, conduct trainings of increased complexity for this category, as well as render all kinds of methodological and organizational assistance.

To intensify this work, the administration of the International Collaboration Department should be assigned to departments for mentoring young teams of researchers as well as providing methodological and organizational assistance.

It is necessary to continue the work on implementing the provisions of the Law of Ukraine "On Ensuring Equal Rights and Opportunities for Women and Men" and adopt international experience in this area as an important factor in the democratization of the entire system of university operations.

KPI should elaborate its regulatory framework in terms of international and foreign economic cooperation and introduce it into everyday management practice.

A SET OF ACTIONS ON STRENGTHENING INTERNATIONALIZATION OF IGOR SIKORSKY KYIV POLYTECHNIC INSTITUTE

- Regulation of 7.06.2019 № 5/97 ‘On implementing ‘University Internationalization Concept’;
- Order of 27.06.2017 №1-220 ‘On strengthening University’s internationalization processes’;
- Regulation of 10.08.2023 ‘On Coordinating Council for strengthening internationalization’;
- ‘A course for deep university internationalization. Igor Sikorsky KPI’s experience’

The report by Igor Sikorsky Kyiv Polytechnic Institute at the №1 Round-table discussion “International and Foreign Economic Activities as a Factor of Internationalization of a Modern Leading European Technical University” made at the Forum of Rectors of higher technical education institutions of Ukraine and the Republic of Poland, 07.04.2017



June, 2019



UKRAINE
MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE
NATIONAL TECHNICAL UNIVERSITY OF UKRAINE
'IGOR SIKORSKY KYIV POLYTECHNIC INSTITUTE'

REGULATION № 5/97

Kyiv

« 07 » 06 2019 p.

On implementing 'University Internationalization Concept'

In line with the Law of Ukraine 'On Higher Education' (Articles 26, 32, 57, 74-76), the Association Agreement between the European Union and Ukraine (Articles 375, 376, 431, 436), the instruction note of the First Deputy Minister of Education and Science of Ukraine of 2 June 2017 No. 1/9-312, the decision of the Academic Council of Igor Sikorsky Kyiv Polytechnic Institute of 13 February 2017, the order of 27 June 2017 No. 1-220 'On strengthening university's internationalization processes', 'the Development Strategy of Igor Sikorsky Kyiv Polytechnic Institute for the period 2019 - 2025' (in the part related to international activities) and the action plan for its implementation,

THE FOLLOWING IS SUGGESTED:

1. To approve (Annex 1) and put into effect the 'Igor Sikorsky Kyiv Polytechnic Institute's Internationalization Concept' (hereinafter referred to as 'Concept ...'), approved by the decision of the Academic Council of Igor Sikorsky Kyiv Polytechnic Institute of 21 January 2019, Minutes No. 1, taking into account the results of public discussions.
2. The university structures in the relevant areas of management activities shall follow the 'Concept ...' and implement its provisions to:
 - to ensure the fulfilment of the tasks of the 'Development Strategy of Igor Sikorsky Kyiv Polytechnic Institute for the period 2019-2025 (in the part related to international activities) and the action plan for its implementation;
 - to strengthen the international component in all university's activities and at all levels of relevant management verticals;
 - to strengthen international relations and comprehensive international cooperation, in particular, at the level of faculties, educational and research institutes, departments;
 - to reform Igor Sikorsky Kyiv Polytechnic Institute according to the model of a modern leader-type technical research university;
 - to organize research and educational technologies (including dual education technologies) to train specialists competitive in the global markets of education, science and innovation;

- to strengthen the university's position in international rankings and gaining a reputation as a highly ranked university according to internationally recognized criteria;
 - to develop foreign economic activity in various forms;
 - to achieve positive dynamics of parameters – world accepted characteristics of the state of internationalization;
 - to ensure economic indicators' growth as a result of the implementation of the 'Concept...'
3. To establish that in order to control the dynamics of achieving the goals of the 'Concept...', the issues of the state of internationalization (development of the international sphere) of the university according to clause 2 and the identification of ways to its further strengthening are submitted to the Academic Council of the university, and the decisions of the Academic Council on these issues annually determine new and updated tasks for strengthening the processes of internationalization at Igor Sikorsky Kyiv Polytechnic Institute.
 4. I reserve control over the implementation of the regulation.

Vice-Rector for
Scientific and pedagogical Work
(international relations)

Sergii Sydorenko

*Annex 1 to the regulation
№ 5/97 of 7.06.2019*

National Technical University of Ukraine
'Igor Sikorsky Kyiv Polytechnic Institute'

*University
Internationalization
Concept*

Mission

to transform Igor Sikorsky Kyiv Polytechnic Institute into an international university with high standards of education and research that meet international quality assurance criteria.

STRUCTURE

- General terms
- Purpose and objectives
- Directions and indicators
- Foreign economic activity as a driver of internationalization

General terms

University **internationalization** is understood as the process of systematic and deep integration of the international component into university's research, education and innovation activities, and the result of this process is the transformation of a national university into an international one.

Foreign economic activity is the field of activity related to international research and technical cooperation, services' export and import, technology transfer, the expansion of international research and technical collaboration in this area and so on.

An **educational service** is a service provided as part of educational activities, having as its result acquiring a specific knowledge level, qualification by the consumer.

The **market of educational services** is a system of socio-economic relations between educational institutions and consumers for the sale and purchase of educational services.

The internationalization of education, which creates added value, is the **export of educational services**.

Purpose and objectives

Concept's basic principles

- internationalization is focused on key areas, namely education, science and innovation
- the internationalization is aimed at expanding the package of educational, research and innovation services, enhance their quality, and elevate the international standing of the university

Concept's purpose

- to transform Igor Sikorsky Kyiv Polytechnic Institute into an international university with high standards of education and scientific research.

Objectives

- combination of potential opportunities and resources of the university
- activation of information policy in the field of international activities to promote the university abroad
- improvement of conditions for the development of international activities of the university
- optimization of the internal university system of coordination, monitoring and development of international activity, in particular foreign economic activity.

Directions and indicators

Internationalization is carried out according to the **directions**

- Educational process
- Research
- Information and advertising activity
- Financing
- Ties with graduates
- International collaboration
- Export of educational services

Indicators of internationalization of educational

- quality control of education
- increasing the number of foreign professors among the university staff
- double degrees received by graduates of Igor Sikorsky Kyiv Polytechnic Institute (i.e. degrees issued by two partner universities)
- internships of university students and postgraduates at the leading foreign research and education centers
- distance educational programs
- internationalization of curricula

Indicators of research internationalization

- implementation of international research programs
- receipt of funds to the university budget from international grant programs, contracts, commercialization of scientific results
- involvement of foreign scientists in the research supervision of PhD students
- publication of articles and monographs by university lecturers in foreign journals, including those co-authored with foreign researchers
- foreign postgraduate students at the departments of faculties and institutes
- increase of the international component in the Sikorsky Challenge start-up project Festivals

Indicators of internationalization of information support and advertising activity

- strengthening the international component on the websites of the university, educational and research institutes, faculties, departments, student organisations
- participation of the university in international exhibitions and fairs
- availability of advertising and informational materials in foreign languages for foreign partners and consumers, outlining opportunities for cooperation with the university
- information and advertising activities aimed at key regions for the university
- university presence on international information platforms

Indicators of university financing to achieve a sufficient level of internationalization

- increasing funds for activities related to the internationalization of the university
- attracting grant funds and sponsorship to finance individual projects on strengthening the internationalization of Igor Sikorsky Kyiv Polytechnic Institute

Indicators of internationalization in organizing relations with foreign graduates

- carrying out advanced training courses for graduates
- signing cooperation agreements with alumni associations in foreign countries
- involving graduates in participation in scientific conferences, seminars and forums of Igor Sikorsky Kyiv Polytechnic Institute and in recruitment of applicants for studying at Igor Sikorsky Kyiv Polytechnic Institute.

Indicators of internationalization in the field of international cooperation

- participation of the university in the activities of respected international organizations
- organizing and hosting international educational, scientific and innovative events
- concluding cooperation agreements with respected foreign universities and research centers
- cooperation with embassies of foreign countries in Ukraine and with embassies of Ukraine in foreign countries
- interaction with international business partners

Indicators of internationalization in the field of educational services export

- increasing the number of foreign citizens as university students
- concluding agreements with foreign partners on targeted training of foreign students
- implementing additional education programs for foreign citizens
- developing and implementing educational programs in foreign countries
- implementing joint educational projects of Igor Sikorsky Kyiv Polytechnic Institute with a foreign partner in the country of the partner's location (expansion of commercial presence)
- carrying out marketing research of foreign markets of educational services

Foreign economic activity as a driver of internationalization

The purpose of foreign economic activity

- attaining social and economic effect from the implementation of educational, research and technical services of Igor Sikorsky Kyiv Polytechnic Institute in the international markets of educational, research and technical services

Tasks of foreign economic activity

- expanding export and import of research and technical services
- expanding export and import of educational services
- increasing the efficiency of the internal organization of the university in managing foreign economic activity

Directions for foreign economic activity development

- improving the mechanisms of export and import of educational services at all levels
- improving the mechanisms of export and import of research and technical services
- creation and further support of joint structures abroad
- organizing and implementing information and marketing activities in the field of foreign economic activity, disseminating of information on these activities at departments, faculties, and educational and research institutes

- internal audit of foreign economic activity indicators
- strengthening the coordination of foreign economic activity of the university
- development of regulatory and methodological support for the implementation of foreign economic activity

**International Collaboration Department
Foreign Economic Activity Office
Igor Sikorsky Kyiv Polytechnic Institute**

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UKRAINE
MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE
NATIONAL TECHNICAL UNIVERSITY OF UKRAINE
'IGOR SIKORSKY KYIV POLYTECHNIC INSTITUTE'

ORDER № 1 – 220

Kyiv

June 27, 2017 .

On strengthening University's internationalization processes

According to the Law of Ukraine 'On Higher Education' (Articles 26, 32, 57, 74-76), Association Agreement between the European Union and Ukraine (Articles 375, 376, 431, 436), recommendations of the Ministry of Education and Science of Ukraine (letter of 02.06.2017 № 1/9-312), the decision of the Academic Council of Igor Sikorsky Kyiv Polytechnic Institute of February 13, 2017 – to ensure the quality of higher education, strengthen university's competitiveness in the educational space and on labour markets, and implement the results of the European Union's projects, in particular, ERASMUS+,

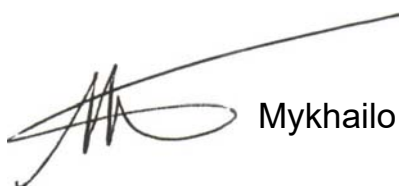
THE FOLLOWING SHALL BE PERFORMED:

1. To appoint Sergii SYDORENKO, Vice Rector for Scientific and Pedagogical Work (International Relations), responsible for the development and implementation of the internationalisation policy and coordination of international activities.
2. To create a coordinating working group on strengthening university's internationalisation processes and enhancing the international part in all components of its activities and at all levels.
3. To approve the members of the coordinating working group according to Appendix 1.
4. The Coordinating Working Group shall develop an action plan for the formation and implementation of the university internationalisation policy by September 1, 2017, based on the necessity to ensure:

- designing modern strategies and plans for the development of international activities, taking into account the experience and models of the world's leading universities;
- strengthening the international part in all components of its activities and at all levels;
- access to the organisation of research and teaching technologies for training specialists, which will be competitive on the international labour markets;
- reforming according to the model of a modern technical research university of the leader type;
- gaining a reputation of a highly ranked university according to the internationally recognized criteria;
- growth of economic performance;
- attracting new ideas based on international experience.

5. Control over the implementation of the order shall be put on the first Vice Rector Yurii YAKYMENKO

Rector



Mykhailo ZGUROVSKYI

**Members of the
coordinating
working group
for designing and implementing the
university's internationalization policy,
strengthening the international part
in all components of its activities**

1.	Sergii SYDORENKO	Vice Rector for Scientific and Pedagogical Work (international relations); head of the group
2.	Volodymyr KOVAL	Head of the Center for International Education, Deputy Head of the Group;
3.	Kseniia YUDKOVA	Deputy Head of the International Cooperation Department, Head of the Department, Deputy Head of the Group;
4.	Serhii HOZHII	Deputy First Vice-Rector, Head of the Educational and Methodological Department;
5.	Vitalii KOTOVSKYI	Deputy Vice Rector for Scientific Work;
6.	Sergiy SHUKAYEV	Deputy Head of the International Collaboration Department; Head of the International Projects Office
7.	Olha BOLIIEVA	Deputy Head of the Department of Economics and Finance
8.	Tetiana KUChYNSKA	Head of the Academic Mobility Office of the Department for Student Affairs
9.	Borys YEMELIANENKOV	Head of the Department for Perspective Development
10.	Nataliia VOINALOVYCH	Energy Management Engineer at the Department of Administrative Affairs;
11.	Yurii MYTROKhin	1st category legal adviser of the Legal Department;
12.	Anatolii MELNYChENKO	Dean of the Faculty of Sociology and Law
13.	Vitalii MAKSYMENKO	Dean of the Faculty of Biomedical Engineering;
14.	Oleksandr ZBRUTsKYI	Dean of the Faculty of Aviation and Space Systems;
15.	Serhii VOITKO	Acting Head of the Department of International Economics ;
16.	Oleksandr KOVAL	Acting Head of the Department of Automation of Design of Energy Processes and Systems;
17.	Volodymyr YANKOVYI	Editor-in-Chief of the 'Kyiv Polytechnic' newspaper;
18.	Alla KOVTUN	Head of the Department for Organizational Support of International Activities of the Department of International Cooperation, Secretary-Coordinator of the Working Group;
19.	By agreement - representatives of the trade union committee of employees; trade union committee of students; student council; council of young scientists.	



UKRAINE

MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE

NATIONAL TECHNICAL UNIVERSITY OF UKRAINE

**‘IGOR SIKORSKY KYIV POLYTECHNIC INSTITUTE’
(Igor Sikorsky KPI)**

REGULATION

Kyiv

«10» August 2023

**on Coordinating Council
for strengthening internationalization**

To ensure the implementation of the university's decisions related to the fulfillment of tasks in connection with the acceptance of Ukraine as a candidate for EU membership, the approval of the Strategy for the Development of Higher Education in Ukraine for 2022-2032 (in terms of international activities), the European Commission's flagship initiatives "European University Initiative" and "European Strategy for Universities", the need for deeper integration into the European Education Area (EEA) and the European Research Area (ERA) and bringing the organization of the educational process in line with the European standards of quality assurance and the university's obligations in the context of joining a number of European university alliances (ENHANCE, CESAER, ATHENA, etc.),

THE FOLLOWING IS SUGGESTED:

1. To establish a Coordinating Council for strengthening the internationalization of the university (hereinafter referred to as the Coordinating Council).
2. To approve the members of the Coordinating Council according to Annex 1.
3. The task of the Coordinating Council is as follows: to develop action plans and measures to strengthen the international component in the activities of the university structures, based on the tasks specified in the preamble, and their implementation in all areas and levels of university management
4. Coordinating Council shall perform the following:

4.1. To design a work plan for the period of October 2023 - December 2024, to determine responsible for separate sections of the plan and the deadlines for its implementation in line with the analysis of the organization of Igor Sikorsky Kyiv Polytechnic Institute's international activities by September 20, 2023.

4.2. To involve public and student organizations of the university in the processes of strengthening internationalization.

5. To discuss the work plan suggested in line with clause 4.1. at a joint meeting of the Coordinating Council, the Commission on International Cooperation and the Commission on Educational Activities of the Academic Council of the University by November 30, 2023.

6. To cover the work of the Coordinating Council in the newspapers 'Kyivska Politehnika', 'Svit' on the relevant websites and social media pages of Igor Sikorsky Kyiv Polytechnic Institute, university-level structures and units.

7. I reserve control over the implementation of the regulation.

Rector

Mykhailo ZGUROVSKYI

Members of the Coordinating Council On strengthening university's internationalization

Head, Co-head and coordinator:

- | | |
|-------------------------|---|
| Oleksii ZHUCHENKO | – Vice Rector for Scientific and Pedagogical Work, Head; |
| Sergii SYDORENKO | – Vice Rector for International Relations, Co-head |
| Anatolii
MELNYCHENKO | – Vice Rector for Educational Work, Co-head |
| Andrii SHYSHOLIN | – Head of the Foreign Economic Activity Office of the International Collaboration Department, Coordinator |

Members of the Coordinating Council:

- | | |
|-------------------------|---|
| Yurii YAKYMENKO | – Rector's assistant and advisor |
| Bohdan DUDA | – Rector's assistant |
| Hennadii VARLAMOV | – Head of the Commission on International Cooperation of the Academic Council (by agreement); |
| Volodymyr
TYMOFIEIEV | – Head of the Commission on Educational Activities of the Academic Council (by agreement); |
| Alla KOVTUN | – Head of the International Collaboration Department |
| Tetiana KHYZHNIAK | – Acting Head of the Department for Student Affairs |
| Inna SIMASHKO | – Head of Office of Innovative Technologies in Education of the Department of Educational Process Organization; |

- Petro YABLONSKYI – Head of the Office of Academic Staff Attestation of the Department of Educational Process Quality;
- Serhii BURIAN – Head of the Accreditation and Licensing Office of the Department of Educational Process Quality;
- Anna SABETSKA – Leading Specialist of the Office of Scientific and Innovative Support of the Educational Process;
- Olga DEMYDENKO – Head of the Academic Mobility of Office of the Department for Students Relations
- Inna MALIUKOVA – Director of the Institute of Postgraduate Education, Head of the ‘Sikorsky Challenge Ukraine’ Innovation Ecosystem;
- Sergiy SHUKAYEV – Head of the International Projects Office of the International Collaboration Department
- Maryna KRAVCHENKO – Dean of the Faculty of Management and Marketing
- Olena AKIMOVA – Dean of the Faculty of Sociology and Law
- Oksana VOVK – Director of Educational and Scientific Institute of Energy Saving and Energy Management
- Ihor VLADYMYRSKYI – Director of E.O. Paton Institute of Materials' Science and Welding
- Oleksandr HALKIN – Dean of the Faculty of Biomedical Engineering;
- Mykhailo BEZUHLYI – Head of the Trade Union Committee (by agreement);

From student organizations:

representative of Student Council (by agreement)

representative of NGO ‘Igor Sikorsky KPI’s Student Parliament’ (by agreement)

The report by Igor Sikorsky Kyiv Polytechnic Institute at the №1 Round-table discussion “International and Foreign Economic Activities as a Factor of Internationalisation of a Modern Leading European Technical University” made at the Forum of Rectors of higher technical education institutions of Ukraine and the Republic of Poland, 07.04.2017



INTRODUCTION.

Internationalisation of higher education system and globalisation as its following stage is one of the acknowledged dominant tendencies in this field.

The universities which achieved a profound level of internalisation in all the parts of their vital activities are more competitive in the world markets, namely while competing for the number of the students, university applicants, resources, for the place in the world ratings, the right to hold influence regarding the state policy formation in the field of education, science and innovations, i.e. while competing not only for the right to exist but also for the right to be in more successful and comfortable existence in the broadest meaning of this word.

I will try to explain what our university means when we speak about the need to deepen the degree of its internationalisation and

as a result of this to acquire the chance of becoming more competitive among 20 thousand of universities acting today within international (and national) education, science, and innovations markets.


In the most general sense, we need to deepen our internationalisation, i.e. to enhance the international component in all the parts of our activities, to organise research and teaching technologies for training competitive specialists in the global labour market, to reform ourselves in compliance with the model of a modern leading technical university, to gain a reputation as a highly ranked university according to internationally recognised criteria, and to ensure – as a result – the growth in economic performance.

All mentioned above objectively encourages us to act more effectively in international relations.

In our opinion, internationalisation processes consist of several components.



The first component of internationalization comprises international relations and international cooperation.



THE FIRST COMPONENT OF INTERNATIONALISATION comprises international relations and international cooperation.

Today we may illustrate these parameters with the following figures:

The scope of international contacts

Years	1999	2009	2010	2011	2012	2013	2014	2015	2016
General amount of international events:	30	207	273	287	278	245	141	181	219
Conferences, forums, seminars, summer schools	9	93	130	143	98	56	56	74	106
Delegations' visits	21	114	143	144	180	189	85	107	113
Number of experts in delegations	89	562	630	521	930	730	387	288	420
Staff mobility	11	246	152	142	144	143	161	165	220
Student mobility	53	121	63	99	154	162	171	193	210

In recent years, we have significantly deepened the scope of our international contacts through comprehensive international negotiations.

For example, in 2016, we held negotiations with the ambassadors from 18 countries and 113 delegations from other countries.

Negotiations with Ambassadors of 18 countries



In this way, “corridors of opportunities” were created for the university, faculties and departments, within which our international cooperation is developing.

Negotiations and events held by Igor Sikorsky KPI on strengthening nuclear safety in the world



I would put negotiations in the field of nuclear safety in the first place – in terms of their importance for the world and for Ukraine. In particular, the internationally recognised Igor Sikorsky Kyiv Polytechnic Institute initiative on the 30th anniversary of the Chernobyl disaster, when the international Forum “Lessons of Chernobyl for Nuclear Safety in the World” was held with the participation of 34 countries, is one of the examples.

Due to the political resonance of the Forum, Ukraine is now recognised as a global player in strengthening nuclear safety and sharing Ukraine’s experience in implementing safe nuclear technologies with the third-world countries which are going to develop their nuclear energy.

This is also important to be said today, when we build the road map of our cooperation with Poland, since as far as we know, Poland is planning to develop nuclear energy.

Roundtable 'Trends in Global Nuclear Safety' held by Igor Sikorsky KPI and United States Department of Energy



Parliamentary Hearings in the Verkhovna Rada of Ukraine approved Igor Sikorsky KPI's leading role in the National Education Platform in the field of physical nuclear safety



There is another detail. On the eve of the Chornobyl Forum, with the participation of delegations from the US Department of Energy, the US Embassy, and the Ministry of Education and Science of Ukraine, we held a round-table discussion “Trends in the Field of Global Nuclear Safety” as an important stage of its preparation, and this, along with the Parliamentary Hearings in the Verkhovna Rada of Ukraine, supported the formation of a new National Education Platform in the field of physical nuclear safety in Ukraine and the leadership of our university in this matter.



«International Nuclear Security Engagement Program»

USA government grant

on retraining 7 specialists of Institute of Atomic and Thermal Energy in physical nuclear safety



June-July, 2016

Given the favourable situation for Igor Sikorsky Kyiv Polytechnic Institute, we promote project proposals to European programmes, to the programmes of the US Department of Energy as well as have negotiated the training of such specialists for Egypt and Turkey.

International agreements for training of specialists at Igor Sikorsky Kyiv Polytechnic Institute who are competitive in today's global labor markets



New model of international knowledge transfer as a part of foreign economic activity



BOEING and Progresstech training centre at Igor Sikorsky KPI (Institute of Mechanical Engineering)



Strategic partnership: CEOs of BOEING, Progresstech, Igor Sikorsky KPI

Our negotiations in 2016 also put forward new approaches in such a part of foreign economic activities as international knowledge transfer.

A new model of cooperation with multinational companies, namely with BOEING and Progresstech, has been developed, based on targeted training of a new generation of internationally renowned specialists at the Institute of Mechanical Engineering under curricula developed with the participation of BOEING and Progresstech, followed by the integration of this model into students' research work to create technologies that are in demand in global markets.

Other faculties demonstrate similar approaches to the collaboration with transnational companies:

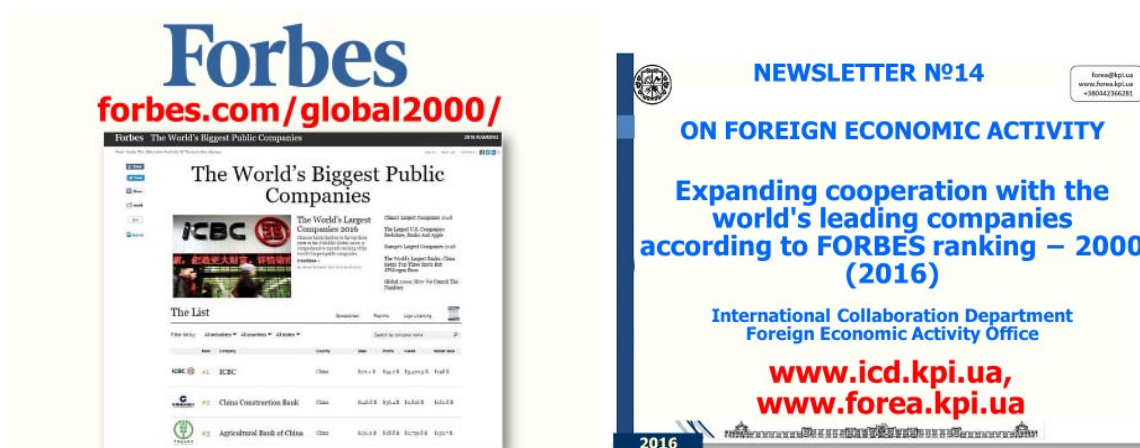


Other faculties demonstrate similar approaches: collaboration with Dow Chemical, Microsoft and Intel (USA), Huawei and WanLi (China), Netcracker and Jeppesen (USA), Gelderberg (Germany), Epam Systems (USA), RIGAKU (Japan).

University continues to develop new marketing strategies and plans for international cooperation



In this direction, the university continues to develop new marketing strategies and plans for international cooperation, looking for areas in which faculties, institutes and departments can offer their educational, scientific, and technical services, and thus entering into negotiations with leading transnational companies.



For example, with the 200 transnational companies included in the FORBES 2000 ranking (2016), which declare large expenditures on science and education.

www.icd.kpi.ua, www.forea.kpi.ua

International Collaboration
Department's marketing offers:
Entering new educational markets in
the regions of the world.

On this basis entering negotiations
with:



In 2016, we developed other marketing proposals to enter new educational markets.

These proposals enabled us to work with Egypt, Turkey, China, and Nigeria.

THE SECOND COMPONENT OF INTERNATIONALIZATION is the strengthening of foreign economic activities.

Foreign economic activity is chiefly important for the universities of Ukraine. It is determined by economic realities when the development of a university with the help of external sources becomes accessible and even more possible to fulfil than it was in the past.

Based on the principles of decentralization of university management, faculties and departments begin to act in accordance with these realities.

ПРОЕКТ
Національний технічний університет України
"Київський політехнічний інститут"
Департамент міжнародного співробітництва

**Concept of the
Program for
Development of
Foreign Economic
Activity of Igor -
Sikorsky KPI
for 2017-2019**

Is published on
the websites of
International
Collaboration
Department and
Foreign Economic
Activity Office:

<http://icd.kpi.ua/>
International Collaboration
Department website

<http://forea.kpi.ua/>
Foreign Economic Activity Office Website

In 2016, the Academic Council of the university approved the Concept of the Programme for the Development of Foreign Economic Activity of NTUU "KPI" for the period of 2017-2019.

Newsletters containing the analysis of international markets of educational services in the regions of the world (10 issues in 2016)



In 2016, 10 Information Bulletins with an analysis of the international markets of educational services in various regions of the world were issued to assist the departments in the deployment of foreign economic activities;

license agreements were developed regarding the royalties payment procedure in the amount of 15% for the use of the KPI brand;

Model of international transfer (export) of educational services to Ukrainian universities under the franchising scheme

For the first time among Ukrainian universities, the right to an intellectual property object has been secured: Copyright certificate No. 64193 of February 26, 2016.



for the first time, a model of international export of educational services provided to Ukrainian higher education institutions was formed under the franchising scheme established

by KPI as the right to an object of intellectual property (certificate dated as of February 26, 2016, No. 64193).

With an aim of developing new approaches in the organization of international negotiations and cooperation, a criterion of investment attractiveness was introduced for the KPI international proposals, programmes, models, and solutions. This made it possible to strengthen the university's position in defending our interests during international negotiations.

And here are the data of the foreign economic activity of KPI presented in an integrated form. It shows that the income is increased due to all types of foreign economic activities performed in 2016, including individual grants, participation in international conferences, etc. In 2016, it made up 11% of the university's budget planned for 2016 which exceeds the 7% that had to be achieved according to the Action Plan for the Implementation of the Strategy for the Development of International Activities for 2012-2020. For the first time in many years, we exceeded the level of 8% being a typical indicator of the amount of foreign economic activity in previous years.



On the other hand, out of 38 types of foreign economic activities permitted by the legislation of Ukraine, only 11 are being applied and bring profit to the university today. The university has

not become attractive for the external consumer yet. Thus, the possibilities of enhancement our foreign economic activities are obvious.

It is necessary to develop a contemporary model of presenting university services as a product:

- to form a broad commercial offer of Igor Sikorsky KPI;
- to ensure competitiveness in the market of educational services in specific regions of the world;
- to create and support the activities of joint educational structures abroad;



We have not learned how to "sell our services" yet.

It is necessary to develop a contemporary model of presenting university services as a product:

- to form a broad commercial offer;
- to ensure competitiveness in the market of educational services in specific regions of the world;
- to create and support the activities of joint educational structures abroad;

– to carry out an audit of factors determining the effectiveness of foreign economic activity;
– to develop normative and methodological support in the international sphere on part of Legal Department and Department of Affairs Management;
- on this ground, to expand the range of international negotiations.



- to conduct an audit of factors determining the effectiveness of foreign economic activity;

– to develop normative and methodological support in the international sphere;

- on this ground, to expand the range of international negotiations.

Thus, while organising such a component of international cooperation, i.e. foreign economic activities, we still continue to act according to the dated schemes from the past.

If we want to change this, we need to study the experience of the world's leading universities, including the experience of technical universities in Poland.

**Launch of projects on
structural and
organizational
reorganization of the
international management
system, including foreign
economic activity**



In order to bring the organisation of our international activities up to the models of the world's leading universities, we "launched" projects on the structural and organisational restructuring of the management system of the international sphere.

under the program
**'Development of the leadership potential of
Ukrainian universities':**

- 'Quality Assurance of Engineering Education'
- 'English for Universities'



These are projects under the program of the British Council for the development of the leadership potential of Ukrainian universities "Quality Assurance of Engineering Education", "English for Universities";

ERASMUS+ projects

- 'Quality Warranty of Higher Technical Education for the Countries of the Eastern Partnership'
with the participation of Portugal, Poland, Italy, Georgia, Azerbaijan, Ukraine
- 'Foreign economic activity as a Resource for Strengthening Internationalization of the University'

as well as such projects as:

"Quality Warranty of Higher Technical Education for the Countries of the Eastern Partnership" with the participation of a consortium of universities in Portugal, Italy, Poland, Georgia, Azerbaijan, Ukraine,

and

"Foreign economic activity as a Resource for Enhancing Internationalization of the University".

The latter project is the most "sensitive" to the needs of KPI to rebuild the entire management system of the university

international sphere, in particular in the sector of its foreign economic activity.

Therefore, we suggest that our partners from Poland should consider the formation of an international consortium of scientists from our and other European countries in order to come up with appropriate proposals for European grant programmes.



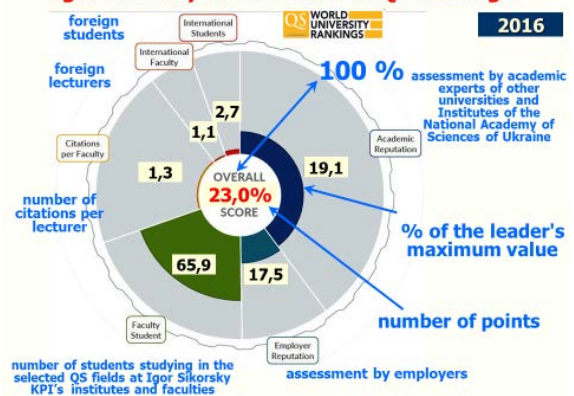
The third component of internationalization comprises the activities to strengthen university's position in international rankings.



What follows from the analysis of the results of Igor Sikorsky KPI's participation in international rankings



Igor Sikorsky KPI's results in QS rankings:



THE THIRD COMPONENT OF INTERNATIONALIZATION comprises the activities to strengthen the position of the university in international ratings.

Evaluating our achievements and opportunities as our tasks for the future, we are, unfortunately, still "locked" to internally oriented comparisons.

It also needs to be changed. We will not see where we need to move, what we need to improve, if we do not understand where we are "in the international coordinate system".

What follows from the analysis of the results of KPI participation in international ratings, for example Quacquarelli Symonds?

We still face weaknesses in such parameters as:

- foreign students (2.7% of the total number of students);**
- foreign lecturers (1.1%);**
- number of citations per lecturer (1.3%).**

Among the strong points there are such parameters as:

- number of students studying in the selected QS fields in institutes and faculties of NTUU "KPI" (65.9%);**
- assessment by employers (17.5%);**
- assessment by academic experts of other universities and Institutes of the National Academy of Sciences of Ukraine (19.1%).**

The integrated assessment also speaks for itself: the KPI overall level is 23% from the leader, the Massachusetts Institute of Technology.

This integral assessment determines to what extent we can consider ourselves to be a "leadership university".

THE FOURTH COMPONENT OF INTERNATIONALIZATION includes strengthening the international component in all directions of the university's activities and at all its levels.

The international activity management system must be improved by way of understanding the necessity to strengthen the international component in all the aspects of its activity (i.e., in the

educational process, in work with students, while organising scientific research, in prospective development, in the social sphere).

We need a new psychological readiness to perceive international cooperation not as a separate type of activity, connected only with educational, methodological, training, scientific, and social activities as it is in many cases today, but rather as an integral component of the work of each of these directions.

Now we have come to the conclusion that it is mandatory to form a coordination group consisting of the representatives of all departments and central structures of the university to implement the actions to strengthen the international component in all areas of university's activities.

An important feature is the level of international activities organization at the university departments. Here there is striking heterogeneity with the gap in indicators reaching two orders.

Here are the average specific indicators of the first and last "tens" of the departments ratings in the criterion of international cooperation (respectively):

- academic mobility – 0,581 and 0,003;**
- international publications – 2,286 and 0,030;**
- efficiency of international activities – 331,236 and 0;**
- activity in international cooperation – 3,439 and 0,064;**
- activity on the international markets of educational services – 34,851 and 0.**

The main problem limiting our objectively huge opportunities is that many departments have not yet mastered the mechanisms in performing international activities capable to open the ways of solving the current problems of their functioning.

This barrier is gradually being overcome, but not as fast as we would like to.

Dear colleagues!

To conclude, allow us to express the hope that mutual understanding of the way we should follow towards the European educational and scientific space – with the support of technical universities of Poland as our closest partners – will speed up this movement and shorten the path!

S.I. Sydorenko

K.V. Yudkova

A.P. Shisholin