

NATIONAL TECHNICAL UNIVERSITY OF UKRAINE "IGOR SIKORSKY KYIV POLYTECHNIC INSTITUTE"

UKRAINIAN UNIVERSITIES AT WAR Fighting for freedom, striving to be resilient





Igor Sikorsky Kyiv Polytechnic Institute







IGOR SIKORSKY KYIV POLYTECHNIC INSTITUTE IS THE LARGEST TECHNICAL UNIVERSITY IN UKRAINE.

FOUNDED IN **1898**

The first four faculties were **MECHANICAL, CHEMICAL, AGRICULTURAL AND ENGINEERING** – their emblems are now depicted on the University's emblem.

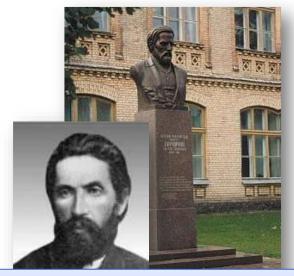


Outstanding figures of Igor Sikorsky Kyiv Polytechnic Institute

Legendary Flight of Igor Sikorsky

"ILYA MUROMETS" (S-22) – Sikorsky's aircraft made the unique flight from St. Petersburg to Kyiv in the summer of 1914.





Professor Viktor Kyrpychov The **first rector** of Kyiv Polytechnic Institute, was great scientist in mechanical engineering



Academician Serhii Koroliov Outstanding rocket engineer and spacecraft designer. First satellite of the Earth (1957). First astronaut (Yu.Gagarin) (1961). He was the student of Kyiv Polytechnic Institute and the member of university air club.

Kyiv Polytechnic Institute graduate (1906) Professor Wojciech Świętosławski

who later became the Rector of Warsaw Polytechnic (1928-1929) and the Minister of higher education of Poland (1935-1939) has been twice nominated for the Nobel Prize



Professor Yevgen Paton

In 1934 Professor Yevhen Paton founded the Electric Welding Institute. Former Vice President of the Academy of Science of Ukraine.



Campus Map



THE UNIVERSITY HAS:

- 28 Academic Buildings
- •19 Dormitories
- Sport Centre
- Library

- Center for Culture and Arts
- Medical Centre for Students
- Recreation Facilities

University community

22 000+ students

890+

faculties and institutes

260+

45

professors

specialties

bachelor, master, PhD

17 500+ undergraduate students 4 000+ post-graduate students including 500+ PhD students

550+ associate professors senior lecturers 2 780+ lecturers

330+ educational programs

125+ bachelor programs 120+ master programs 80+ PhD programs

Academic offer in English https://mobilnist.kpi.ua/wpcontent/uploads/2022/02/Aca demic-offer-catalogue-2021-2022.pdf



University area = 3x Vatican City

OUR PRESENT VISION AND MISSION

Our vision

To be a world-class research university. To increase the body of knowledge in the natural sciences, engineering, the social sciences, and the humanities. To train highly skilled professionals able to cooperate with their colleagues around the world to develop innovative technologies for the good of humanity.

Our mission

To contribute significantly to the sustainable development of society through internationalization and the integration of education with the newest research and innovative developments.

To create the best conditions within the educational and scientific environment for the comprehensive development of a professional, intellectual, social, and creative personality.

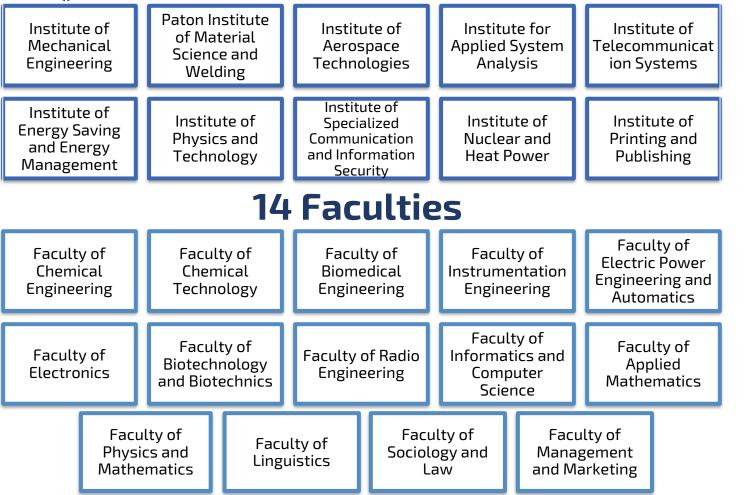


National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute"



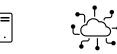


10 Educational and Research Institutes



Our resources

At Igor Sikorsky Kyiv Polytechnic Institute we have all the necessary facilities and infrastructure to develop and deliver virtual educational content according to Erasmus+ requirements, including:





computer ca labs opt

campus fiber optics network Media Center for online education platform video production based on Moodle and G-Suite

Also in University and our Faculties:

- > Educational and Research Center for Applied Sociology "Socioplus"
- Science Park and Startup competition "Sikorsky Challenge" for development of students' innovative potential
- > Laboratories, educational centres etc.

Our University's Library:

Wi-Fi, equipment for webinars and presentations, open spaces, reading and meeting rooms, free access to the educational and scientific databases etc.







Ranking of the University in the World





In 2011 Kyiv Polytechnic Institute was the 1st Ukrainian University included into QS World University Rankings.

Igor Sikorsky Kyiv Polytechnic Institute Reached **Top of Best Universities Based on QS Graduate Employability Rankings 2022**. At the end of September 2021, the International Higher Education Analytical Agency QS Quacquarelli Symonds published the Graduate Employability Rankings 2022. Igor Sikorsky Kyiv Polytechnic Institute took 301+ place by the integrated parameter Employer Reputation; in Alumni Outcomes - 301+ place; an Employer - Student Connections - 201+ place; in Partnerships with Employers - 201+ place; according to Graduate Employment Rate - 201+ place.



Support and popularization of contests, hackathons







STUDENTS & WAR IN UKRAINE



NOW

After "forced holidays" which lasted from the 24 February to 31st March 2022 the educational process was renewed at 4th April 2022 and now occurs remotely both in synchronous and asynchronous modes



ТолосУкраїни

Освіта

Студент КПІ Ігор Клименко став переможцем Global Student Prize



кш для перемоги «Кардинал» боець Азову

KAI in trops Cinopescos

- unit

студент НН ІЕЕ

КП talks

STUDENTS LIFE







15

consistency



Festival TechnoArtKPI 2022 in the form of the competition of socially useful initiatives of the youth "RESTORATION. RECONSTRUCTION. RENAISSANCE"

Mission: to renew the world around thanks to your socially useful idea The participants of the Festivals may be the individuals or teams of the students of Ukraine and partner universities of the countries who are concerned with the situation in Ukraine.

Sections

- Environmental Engineering (design, construction, exploitation)
- Socioeconomic renewal (technologies, legislation, physical environment, environmental management, ecology)
- Sociopsychological revival (appliances, audio-, video- ideas, visual therapy)
- Renewal of the environment (ecology, natural perception of the world, clever house/comfortable shelter, lightning, connection, overhead crossing, transportation mode)
- Protection and safety (cybersecurity, IT-applications, materials, machine engineering, aviation, space and rocket technique, biomedical engineering)



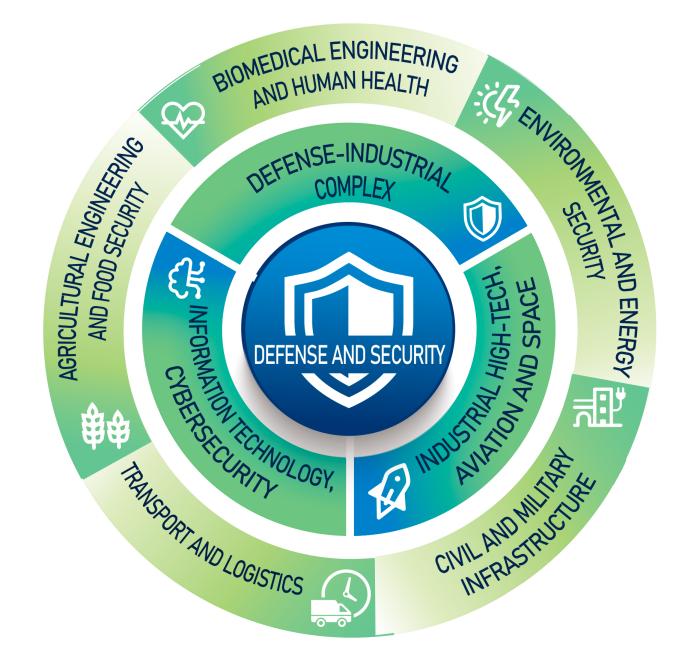
All-Ukrainian Innovation Ecosystem "Sikorsky Challenge Ukraine"

SCU is an open innovation ecosystem that unites the country's institutions interested in the development of the Ukrainian innovation economy, defense capability and security

The main goal is to be the driver of the emergence of innovations in the economy and defense capabilities of post-war Ukraine and the country's rise to leadership positions in the development of new ideas, the creation of start-up companies, and the import of foreign innovations into Ukraine



Areas of innovation development for SCU



THE PLATFORM

FOR INNOVATIVE TRANSFORMATION OF UKRAINE BASED ON THE ALL-UKRAINIAN INNOVATION ECOSYSTEM "SIKORSKY CHALLENGE UKRAINE"

STATE AUTHORITIES:

Office of the President of Ukraine Ministry for Communities and Territories Development of Ukraine Ministry of Digital Transformation of Ukraine Ministry of Infrastructure of Ukraine Ministry of Defense of Ukraine and other institutions of the Armed Forces of Ukraine

SCU:

Igor Sikorsky KPI + universities Science Park "Kyivska Polytechnika" Innovation Holding "Sikorsky Challenge" Innovation clusters of cities/regions Science institutions of Ukraine

Goal of the Platform project

Gain by Ukraine both in war and post-war times of breakthrough positions in the creation and implementation of technological innovations in the economy, defense capability and security of the country *by combining efforts and coordinating actions* on the part of state authorities, international partners and funds, foreign innovative

INNOVATION COMPANIES AND THEIR ASSOCIATIONS INVESTMENT FUNDS

PLATFORM

Sikorsk Challenge Ukraine FOREIGN INNOVATION COMPANIES VENTURE FUNDS FOREIGN INVESTMENT COMPANIES

FOREIGN UNIVERSITIES SCIENCE / TECHNOLOGY PARKS



Defense and Security



ПРОДУКЦІЯ

ЗАКУПІВЛІ

СТРУКТУРА

ПРО КОНЦЕРН

18.06.2020



IHHOBALLI

Знайти



ПЕРШИЙ МОДЕРНІЗОВАНИЙ БЕЗПІЛОТНИК-РОЗВІДНИК SPECTATOR-M1 ПЕРЕДАНО ДО УКРАЇНСЬКОГО ВІЙСЬКА

МЕДІАЦЕНТР

KAP'EPA

РЕФОРМИ

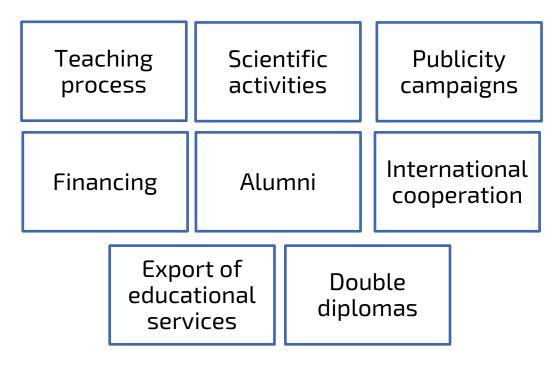






Internationalization of the University

Internationalization of the University is effectuated along the following lines:



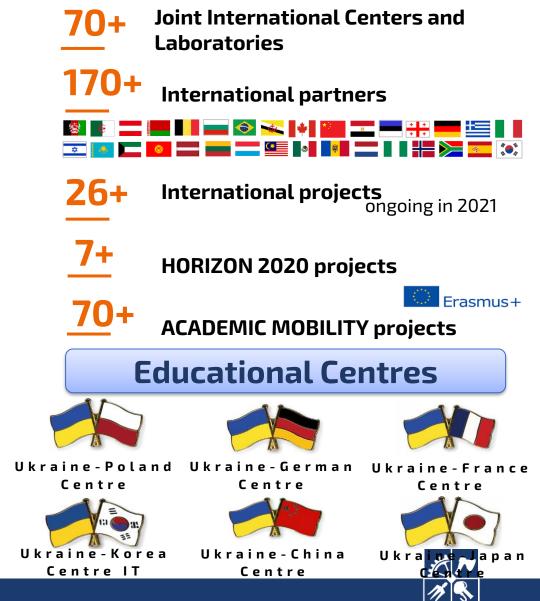
Double Degree Programs TECHNISCHE UNIVERSITÄT DRESDEN OTTO VON GUERICKE UNIVERSITÄT MAGDEBURG TECHNISCHE HOCHSCHULE MITTELHESSE UNIVERSITÉ DE LORRAINE **Université** Maine LYON kauno **EURASIAN** ktu technologijos universitetas ATIONAL 1922 Korea Institute of Science and Technology JIVERSIT STREDO EURÓPSKA Universidade VYSOK Federal de Uberlândia SKOLA

INTERNATIONAL COOPERATION

Cooperation with international organizations, councils and associations



UNIVERSITY



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

ACADEMIC MOBILITY PROJECTS



LUND UNIVERSITY 2017-2019 CESAER



2018-2021



UPPSALA UNIVERSITET



2023: online mobility



2014-2021, 2021-2027



2023: visits beyond ICM



Національний технічний університет України «Київський політехнічний інститут імені Ігоря Сікорського»

OTHER PROJECTS (2023) SWEDISH INSTITUTE GRANTS

RESCUU - Resilience of Education: Sustainability and Cooperation for Ukrainian Universities

The project is **aimed** at contributing to the resilience of wartime Ukraine's educational institutions and will support Ukrainian teachers, students and researchers who remain in Ukraine and work or study at Ukrainian universities. The project period is January 2023 – June 2024. This project is led by the Coordinating Secretariat at Uppsala University, Uppsala, Sweden.

This project will provide several events, both online and physical, aimed at sharing knowledge and experience needed to overcome the consequences of the war, as well as problems of sustainability in connection to the war in terms of social life, environment etc.

Project partners:

•Uppsala University/Unit for Academic Teaching and Learning, Uppsala, Sweden

The National Technical University of Ukraine 'Igor Sikorsky Kyiv Polytechnic Institute', Kyiv, Ukraine
The National University Kyiv-Mohyla Academy, Kyiv, Ukraine
Poznan University of Technology, Poznan, Poland

Associated partner is Åbo Akademi University, Åbo, Finland



SUSTAINABLE ENERGY SYSTEMS OF UKRAINE

The project is **aimed at** developing academic cooperation in the Baltic Sea Region, supporting academic institutions and academic target groups in Ukraine.

Through a "*teacher training*" approach, the long-term goal of the project is to increase the capacity of current and future generations of Ukrainians who work on the design and implementation of energy systems for their future improvement.

This will be achieved primarily through the development of new competencies, the compilation of training materials, strengthening of international research and training networks, and joint funding applications.



THANK YOU FOR YOUR ATTENTION!

Olha DEMYDENKO Head of Academic Mobility Office Tel.: +380679824929 E-mail: <u>olga.demydenko80@gmail.com</u> <u>academicmobiilitykpi@gmail.com</u>

More contacts for various dimensions of international cooperation: International collaboration department: icd.kpi.ua International project office : +380 44 2048019 Email: s.shukayev@kpi.ua





STAND WITH UKRAINE

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

PEACE VICTORY

CONTACT INFORMATION

-Share a strange of the straight of

Olha Demydenko, PhD. Associate Professor Head of Academic Mobility Office

olga.demydenko80@gmail.com academicmobilitykpi@gmail.com

International collaboration department: icd.kpi.ua

International project office : +380 44 2048019

Email: s.shukayev@kpi.ua



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