



Goal 7 . Affordable and Clean Energy.

“Ensure access to affordable, reliable, sustainable and modern energy for all.”

Kharkiv National University Graduate Ksenia Minakova Made History by Representing Ukraine for the First Time at the World Summit on "Advancing Science, Creating Technologies for a Better World" in Singapore



Researcher from Kharkiv, Ksenia Minakova, represented Ukraine at the World Summit "Advancing Science, Creating Technologies for a Better World" in Singapore.

From January 8 to 12, she participated in the Global Young Scientists Summit (GYSS) 2024, a world-class summit for young scientists, where she represented Ukraine for the first time in its history. This forum is one of the most prestigious events in the field of science, with over 350 young researchers and leading scientists from 38 countries participating. Among the distinguished guests were Nobel laureates, Fields medalists, and winners of the Millennium Technology Prize.

Ksenia Minakova is an alumna of the Institute of Theoretical Nuclear Physics at the Institute of Physics and Technology, having graduated in 2011. Currently, she is an Associate professor at the Department of Physics at Kharkiv Polytechnic Institute and holds a Ph.D. in Physics and Mathematics. Ksenia's scientific interests include theoretical calculations and modeling of thermophysical processes in solar cells. She is also actively involved in promoting, educating, and developing women and youth in STEM education.

During the summit, Ksenia conducted a lecture session where she presented the results of her research on nanostructures, which received high praise from her colleagues at the Institute of Functional Intelligent Materials at the National University of Singapore.

We are proud of the achievements of our graduates and congratulate Ksenia!

Note: The GYSS was initiated in 2013 with the aim of engaging young scientists in pursuing their scientific dreams through close interaction with outstanding scientists, researchers, and other colleagues. The summit covers disciplines such as chemistry, physics, medicine, mathematics, computer science, and engineering.

<https://karazin.ua/en/news/vypusknnytisia-karazinskoho-kseniia-minakova-vpershe-v-nbsp-is/>

Karazin University - Supporting the Military with Ukraine at Heart



Karazin University donated 2 EcoFlow charging stations and 3 inverter generators to the 14th Separate Mechanized Brigade named after Prince Roman the Great.

In February, the Association of Alumni, School and Friends of Karazin University organized a fundraiser for the 14th Brigade, which includes university alumni among its ranks.

The goal of the fundraiser was to raise 180,000 hryvnias to purchase 4 EcoFlow charging stations and 3 inverter generators. Due to time constraints and the urgent needs of the military, the university community managed to purchase 2 EcoFlow charging stations and 3 inverter generators with the funds collected in just one month.

The social-humanitarian and national-patriotic mission is a key aspect of Karazin University's extracurricular activities. We are proud that the Karazin University community, including students, alumni, and staff, shares the university's values. Together, we succeeded in providing necessary assistance to our military personnel. Thank you to everyone who contributed to the fundraising effort! Thanks to you, Karazin University was able to provide essential aid to our soldiers.

This fundraiser is not the last effort by Karazin University. We will continue to consolidate our efforts to provide maximum assistance to those who defend Ukraine's independence and its future.

Glory to Ukraine! Glory to our defenders!

<https://karazin.ua/en/news/karazinskyi-nbsp-mdash-z-nbsp-ukrainoiu-u-nbsp-sertsi-dop/>

Karazin University, with the Support of the Ministry of Digital Transformation and the Ministry of Health of Ukraine, Received 5 Energy Storage Systems from the American Charitable Organization Direct Relief and the Charitable Foundation of Yevhen Pivovarov



The value of mutual assistance and support is especially tangible in these extremely challenging times for the country and the city. Despite the difficulties, we are united, holding on, and working, thanks in part to the assistance of friends and partners of the university.

With the support of the Ministry of Digital Transformation of Ukraine and the Ministry of Health of Ukraine, from the American charitable organization Direct Relief, and with the support of the charitable foundation of Yevhen Pivovarov, through the Karazin University Foundation, Karazin University has received 5 energy storage systems. These systems provide power to critical and social infrastructure objects during power outages.

Anatoliy Babichev, Vice-Rector on behalf of the university administration, expressed gratitude for the assistance and noted that the donated energy storage systems will enable the Karazin community to stay, work, and develop during blackouts. We express sincere gratitude to the American charitable organization Direct Relief, the Ministry of Digital Transformation, the Ministry of Health of Ukraine, and the charitable foundation of Yevhen Pivovarov for providing energy storage systems!

<https://karazin.ua/en/news/karazinskyi-universytet-za-nbsp-spryiannia-mintsyfry-ta-nbsp/>

38 Years Since the Chernobyl Nuclear Disaster: The University Remembers



This day, 38 years ago, the largest disaster in the history of nuclear energy occurred. On April 26, 1986, the Chernobyl disaster claimed thousands of lives and left an irreparable mark on the environment.

We honor the memory of those who saved the world from the consequences of this terrible tragedy. The Chernobyl disaster liquidators sacrificed their health and lives to mitigate the catastrophe's scale and protect us all from the danger of radiation.

Today, Ukrainians not only commemorate the victims but also defend their country from new threats. Ukraine is once again at the forefront of ensuring safety for the entire world. We thank the workers of the exclusion zone who prevented a recurrence of the tragedy in 2022 during the Russian military advance. The enemy's provocations continue to endanger the world with the horrors of a radiation catastrophe.

The Chernobyl tragedy remains a permanent reminder of pain, anxiety, and lessons from which humanity must learn.

We express our sincere gratitude and pay tribute to those who risked their lives for the sake of others. This heroic act will never be forgotten.

<https://karazin.ua/en/news/38-rokiv-vid-dnia-avarii-na-chornobylskii-aes-universytet-p/>

"Energy Security": Offline Lecture by Artem Chernyuk



We are starting to implement exciting new projects together with the Ukrainian Engineering and Pedagogics Academy. Within the framework of our cooperation, we cover the most relevant directions, exchange experiences, and acquire new knowledge!

On April 30, at Karazin University, the Head of the Department of Electrical Engineering and Power Engineering at the Ukrainian Engineering and Pedagogical Academy, Ph.D. Artem Chernyuk, held an offline lecture on energy security. The lecture took place in the university's safe space.

The speaker elaborated on the topic of energy and energy security for the residents of Kharkiv. During the lecture, participants discussed the concepts, components, methods, and means of energy security. And importantly, they explored the current energy realities of Ukraine and the world.

The issue of energy shortages and the ways to address this condition became particularly relevant for us. In particular, we discussed possible prospects for the development of the labor market in the energy sector.

We are sincerely glad that a new energy direction of education has been opened at Karazin University. We are confident that we will continue to work at no less active pace and in synergy to implement new initiatives!

<https://karazin.ua/en/news/laquo-enerhetychna-bezpeka-raquo-oflain-lektsiia-vid-nbsp/>