

INFORMATION BULLETIN

Ukrainian Nuclear Society



EUROPEAN NUCLEAR YOUNG GENERATION FORUM, ZAGREB- 2025

DEAR COLLEAGUES,

The Ukrainian Nuclear Society presents to your attention the Information Bulletin, which was prepared at the invitation of the European Nuclear Society as a part of the ENS newsletter.

We're delighted to update our colleagues with the latest news from UkrNS, discussing our ongoing initiatives and projects. Additionally, we'll highlight the endeavors of our members who are actively engaged in the fields of nuclear energy, nuclear research in Ukraine.

We sincerely hope that the information about the UkrNS activity in the period from May - August 2025 is interesting and useful for you.

With best regards,
Ukrainian Nuclear Society

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V REPORTING AND ELECTION CONFERENCE OF THE UKRAINIAN NUCLEAR SOCIETY: NEW LEADERSHIP ELECTED AND PRIORITIES DEFINED

On June 6, 2025, the 5th Reporting and Election Conference of the Ukrainian Nuclear Society (UkrNS) took place, bringing together delegates from leading institutions and enterprises of Ukraine’s nuclear sector. Participants reviewed the Society’s activities over the past two years, elected new leadership, and outlined key directions for future work.

The Conference unanimously approved the Board’s report and recognized UkrNS’s performance in 2023–2025 as satisfactory. During this period, the organization held over 100 events, established new regional branches, and strengthened cooperation with both national and international partners.

Volodymyr Kholosha was re-elected as President of UkrNS. Danylo Lavrenov was elected as First Vice President and Executive Secretary. Academician Anatolii Nosovskyi, Director of the Institute for Safety Problems of Nuclear Power Plants of the National Academy of Sciences of Ukraine, was appointed Vice President for Scientific and Technical Development. His responsibilities will include coordinating research activities, supporting nuclear innovation, engaging with scientific institutions, and organizing professional conferences. Viacheslav Huba, Advisor to the President of NNEGC “Energoatom”, was elected Vice President for Education and Regional Policy. He will oversee cooperation with universities, support for young professionals, engagement with local communities, and development of educational initiatives in the field.

The new Board comprises 48 members, including heads of newly established regional branches. An updated Audit Commission was also approved.

Following the vote, the Scientific and Analytical Section will now be co-chaired by Oleksandr Mazurok, General Director of Energy Safety Group LLC, and Ivan Chepurko, Instructor at the NPP Training Center (Rivne NPP). Former Chair Kostiantyn Simeiko continues to serve as a member of the Board.

Eduard Omelchuk (Rivne NPP) and Olena Vtoraya (South Ukraine NPP) were elected as heads of the Youth and Women’s Sections, respectively.

The Conference also heard reports from regional branch representatives, including those from Mykolaiv region and the SE “VOSTGOK”.

In the final part of the Conference, three new regional branches were introduced, established at Ukrainian investment product company “Nuclear Energy Systems of Ukraine”, the State Specialized Enterprise “EcoCentre”, and IPP-CENTER LLC. These branches were officially integrated into the Society, and their leaders included in the Board.

The Ukrainian Nuclear Society continues to serve as a unifying platform for professionals in the field, supporting the advancement of nuclear energy in Ukraine amid modern challenges.



NUCLEAR HUB UA: NATIONAL PLATFORM FOR NUCLEAR ENERGY DEVELOPMENT LAUNCHED IN UKRAINE

On May 20, 2025, the Ukrainian Nuclear Society (UkrNS) and the Ukrainian Nuclear Forum Association (UNF) signed a memorandum establishing the expert and communication platform Nuclear Hub UA. This initiative aims to serve as an open space for interaction, knowledge exchange, analytics, and innovation development in the field of nuclear energy. The memorandum was signed during a roundtable meeting attended by representatives of both organizations. It was signed by Ihor Dir, Director General of UNF, and Danylo Lavrenov, Executive Secretary of UkrNS. During the event, both parties emphasized the importance of uniting the professional community's efforts to advance the nuclear sector in today's challenging environment – particularly in light of the war in Ukraine, the need for post-war recovery, and the nation's course toward decarbonization.

Nuclear Hub UA is not just an informational or analytical initiative. It is a long-term institutional project designed to bring together key industry players – including enterprises, engineering companies, research institutions, educational establishments, and potential investors—around shared goals of modernization, innovation, and enhancing the competitiveness of Ukraine's nuclear energy sector.

The platform features a flexible, modular structure, enabling the creation of thematic directions aligned with specific technological vectors. Already announced are initiatives focusing on small modular reactors, hydrogen energy, and support for enterprises and engineering firms, under the brands Nuclear Hub.SMART, Nuclear Hub.H2, and Nuclear Hub.INDUSTRY, respectively.

According to the concept jointly developed by UkrNS and UNF, the platform will coordinate expert dialogue, support educational programs, produce joint analytical products, and promote advanced technologies and solutions – including through participation in international projects. A particular emphasis will be placed on youth engagement and building a new generation of professionals through webinars, open discussions, consultation sessions, and other initiatives.



Ihor Dir, Director General of UNF, commented on the signing: “We understand that the development of the nuclear energy of the future requires synergy – between experts, industry, science, and youth. Nuclear Hub UA will be that point of convergence, enabling bold projects, attracting new players, and communicating to society the crucial role of nuclear energy in ensuring energy security and achieving climate neutrality.”

Danylo Lavrenov, Executive Secretary of UkrNS, emphasized: “This is not just a platform – it's a new tool for shaping modern nuclear policy in Ukraine. It should become a space where ideas are born, consensus is built, and high-quality expert products are developed and made accessible to both the industry and the broader stakeholder community. We are open to cooperation and invite everyone who sees a future in nuclear energy to join us.” The organizers are confident that Nuclear Hub UA will become a driver of meaningful change and unite the most active and influential representatives of Ukraine's nuclear sector.



YOUTH NUCLEAR FORUM 2025: A PLATFORM FOR PROFESSIONAL GROWTH AND NEW IDEAS

From June 20 to 22, 2025, the Youth Nuclear Forum took place at Rivne NPP, organized by the Ukrainian Nuclear Society with the support of NNEGC "Energoatom", Rivne NPP branch, as well as partners Energy Safety Group and Radiy RPE. The event brought together over 50 young professionals, scientists, students, and experts from across Ukraine's nuclear sector. The forum served as a platform for experience exchange, professional development, and interregional cooperation. Participants included representatives of all Ukrainian nuclear power plants, leading scientific institutes, specialized enterprises, and universities.

A key element of the program was the case project competition. Interdisciplinary teams, formed in advance, worked on pressing topics such as green energy transformation, creation of energy islands, development of nuclear technologies in medicine, workforce potential of the industry, construction of energy satellite towns, and advancement of Ukraine's nuclear fuel cycle. The winning team presented a project focused on nuclear medicine development, particularly the production of radiopharmaceuticals for cancer treatment.

Participants also had the opportunity to visit Rivne NPP's facilities, explore the plant's infrastructure, and attend a training session on the role of the human factor in nuclear safety and operational efficiency.

According to organizers and participants, the forum not only enabled participants to work on practical assignments but also fostered new professional contacts and united young specialists from different regions of Ukraine. The relevance of selected topics, the high quality of project preparation, and the use of modern technologies, including artificial intelligence, were particularly emphasized. Participants noted that working together on the cases deepened their understanding of complex nuclear industry challenges and revealed its potential not only in energy production but also in related fields such as medicine. "The Youth Nuclear Forum demonstrates how important intergenerational collaboration is for the development of the nuclear sector. We see fresh ideas, a high level of preparation, and a genuine desire among participants to advance not only energy production but other applications of nuclear technologies," said Danilo Lavrenov, First Vice President and Executive Secretary of the Ukrainian Nuclear Society.



VIDEO REPORT:

bit.ly/3ldEpmA



PHOTO REPORT:

bit.ly/44h7WDI

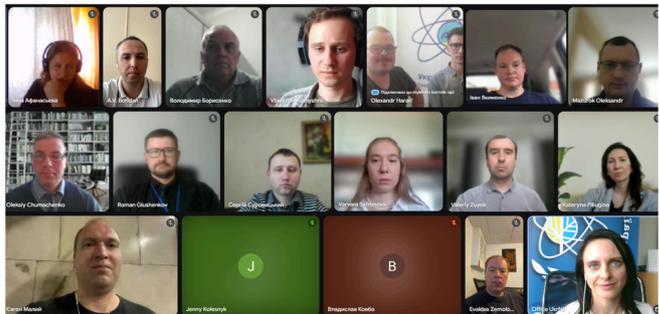
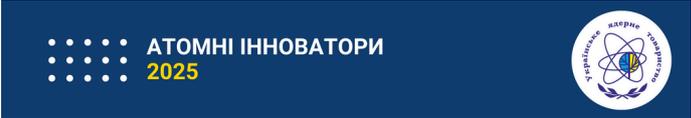


THE “NUCLEAR INNOVATORS”-2025 COMPETITION

This competition, designed for industry professionals wishing to share their developments and research, exchange ideas and experience, was held for the third time by the Ukrainian Nuclear Society in cooperation with the Council of Young Scientists of the Department of Physical and Technical Problems of Power Engineering of the National Academy of Sciences of Ukraine and the Council of Young Scientists of the Department of Nuclear Physics and Energy of the NAS of Ukraine, with the support of leading companies from the nuclear and related sectors - Energoatom and the Energy Safety Group.

The event also received significant support from international partners, including the American Nuclear Society, MIT CANES – Center for Advanced Nuclear Energy Systems at the Massachusetts Institute of Technology, and Cameco Corporation. This year, new partners joined the initiative - IPP Center and the European Nuclear Education Network (ENEN).

A total of nine applications were submitted by representatives of: Kharkiv Institute of Physics and Technology (KIPT), V. N. Karazin Kharkiv National University, National Technical University “Kharkiv Polytechnic Institute”, Ukrainian State University of Science and Technology, “Atomprojectengineering” branch of Energoatom, and other structural units of SE NNEGC “Energoatom”. The “Scientific Research” category included three projects, while six were submitted in the “Applied Development” category.



ПАРТНЕРИ КОНКУРСУ



To participate, applicants submitted summaries and video presentations of their projects. The final stage was held online on May 22, 2025, in the format of public presentations and a Q&A session with the jury. After reviewing the projects, the jury provided expert comments and recommendations for improvement, taking into account current challenges and the evolving needs of the Ukrainian and global nuclear sectors. They encouraged participants to continue developing innovative solutions, technologies, and approaches to contribute to the advancement of nuclear science, energy, and industry. The winners of the competition will receive cash prizes from the organizers and partners, as well as support for implementing or scaling their projects. All participants will receive incentive awards.



A NEW BRANCH OF THE UKRNS HAS BEEN ESTABLISHED IN DNIPRO CITY



**ВІДОКРЕМЛЕНИЙ ПІДРОЗДІЛ
ГО "УКРЯТ У М. ДНІПРО
В ДНІПРОПЕТРОВСЬКІЙ
ОБЛАСТІ**



On August 18, 2025, the founding meeting of the members of the Ukrainian Nuclear Society (UkrNS) in Dnipropetrovsk region took place, during which a decision was made to establish a new Separate subdivision of the Society in the city of Dnipro.

The meeting was attended by eleven members of the Society, representatives of the Ukrainian State University of Science and Technology (USUST). Associate Professor, PhD Vitalii Zahilskyi, was elected Head of the new branch in Dnipro, while Associate Professor, PhD Vladyslav Kovba, was elected Deputy Head.

The adopted decisions will be approved at the next meeting of the Board of UkrNS.

The Ukrainian State University of Science and Technology (USUST) is a leading higher education institution in Dnipro, training specialists for industrial and high-tech sectors. The university combines the traditions of a classical engineering school with modern scientific research and innovative projects. Particular attention is paid to the development of nuclear education, as well as energy and environmental safety. USUST's faculty and researchers actively cooperate with enterprises of the energy sector and relevant professional organizations.



A NEW SEPARATE SUBDIVISION OF UKRNS HAS BEEN ESTABLISHED AT THE BRANCH "SS "EMERGENCY TECHNICAL CENTER" JSC NNEGC "ENERGOATOM"

On August 29, 2025, the founding meeting of the members of the Ukrainian Nuclear Society (UkrNS) was held at the Branch "Emergency Technical Center" (ETC) of JSC NNEGC "Energoatom". Ten members of the Society – specialists of the enterprise – took part in the meeting.

The participants unanimously supported the decision to establish a new separate subdivision of UkrNS in Kyiv region based on the Branch "Emergency Technical Center." Bohdan Kushnir, Advisor to the Director of the branch, was elected Head of the subdivision, and Ruslan Darda, Advisor to the Director of the branch, was elected Deputy Head. The decisions adopted will be approved at the upcoming meeting of the Board of UkrNS.

The Emergency Technical Center is one of the key divisions of JSC NNEGC "Energoatom". Established in 2003, the branch operates to ensure Ukraine's constant readiness for rapid and effective actions in the event of emergencies at nuclear energy and industrial facilities, in line with Ukraine's international obligations and the requirements



**ВІДОКРЕМЛЕНИЙ ПІДРОЗДІЛ
ГО «УКРЯТ» НА БАЗІ
ФІЛІЇ «ВП «АВАРІЙНО-ТЕХНІЧНИЙ ЦЕНТР»
АТ «НАЕК «ЕНЕРГОАТОМ»**



МАЙБУТНЄ ЗА ЯДЕРНОЮ ЕНЕРГЕТИКОЮ!

of the International Atomic Energy Agency (IAEA) regarding the establishment of a national system for responding to nuclear accidents and emergencies. The branch's areas of activity include certain types of decommissioning and conservation works of nuclear installations and facilities designed for the use of nuclear technologies, as well as radioactive waste management.

UKRAINIAN TEAM AT THE ENYGF AND THE I4N EUROPE COMPETITION

In early June, young specialists from Rivne NPP represented Ukraine in the finals of the international competition Innovation for Nuclear (I4N). The contest took place within the framework of the European Nuclear Young Generation Forum (ENYGF) in Zagreb, Croatia.

This year's theme was "Nuclear technologies – an opportunity for economic development." Ukraine joined I4N-2025 alongside 11 participating countries, including the United Kingdom, Italy, Spain, Bulgaria, Hungary, France, Poland, Belgium, Serbia, and Germany. The Ukrainian nuclear industry was represented by young professionals from Rivne NPP, members of the Ukrainian Nuclear Society: Yuliia Verba, Eduard Omelchuk, Daria Papezhuk, and Roman Basiuk. They presented the project "Nuclear Energy as a Driver for Hydrogen Production," which had won the national qualifying stage in Ukraine.

During their presentation before the jury and other participating teams, the young specialists of Rivne NPP highlighted the potential of their plant as a platform for establishing a full-scale hydrogen hub.

Among the 11 countries competing, Italy claimed victory. The winning team – researchers from Politecnico di Milano – introduced a system based on the BeNEdicTE detector, which can be applied in clinical practice to monitor, in real time, the radiation dose delivered during boron neutron capture therapy (BNCT) for malignant tumors.

Parallel to the I4N finals, ENYGF 2025 hosted a range of events. Ukrainian participants attended various technical presentations in the nuclear field, panel discussions, interactive workshops, and gained opportunities to network with experts from across the globe. Both I4N and ENYGF 2025 became international platforms for knowledge sharing, discussion, networking, and exchanging best practices. The event once again demonstrated that nuclear energy, as a low-carbon source, can contribute to achieving climate goals, ensuring energy security, and generating positive economic impact.

Support for the Ukrainian team's participation was provided by Rivne NPP and the mobility program of the NURECAB project.



WINNERS OF THE ALL-UKRAINIAN ESSAY CONTEST BY UKRNS TOOK PART IN THE 4TH EUROPEAN NUCLEAR COMPETITION FOR HIGH SCHOOL STUDENTS

On July 14–18, 2025, the 4th European Nuclear Competition for High School Students was held in Bologna, Italy, within the framework of the ENEN2Plus project. The event brought together young people from across Europe, who presented their vision of the future of nuclear science and technology.

Ukraine was represented by a team from V. N. Karazin Kharkiv National University, led by Associate Professor Inna Afanasieva from the School of Physics and Technology, and two entrants: Kateryna Chkuaseli and Maria Pcholkina – winners of the All-Ukrainian Essay Competition “Nuclear Energy and the World” held by the Ukrainian Nuclear Society in 2023 and 2024.

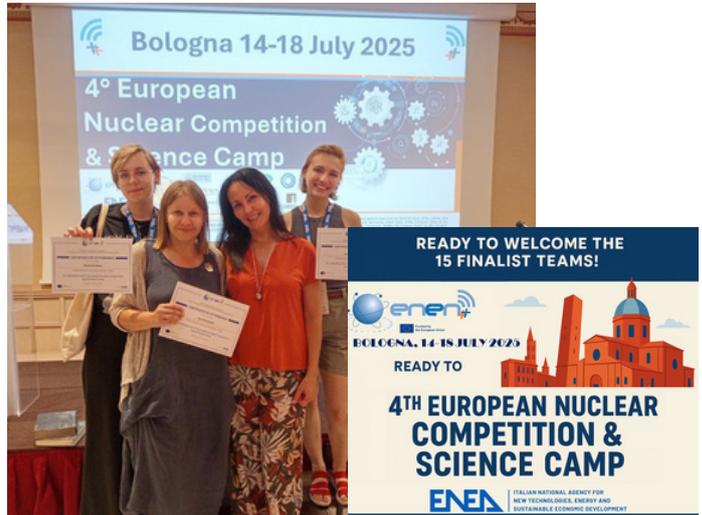
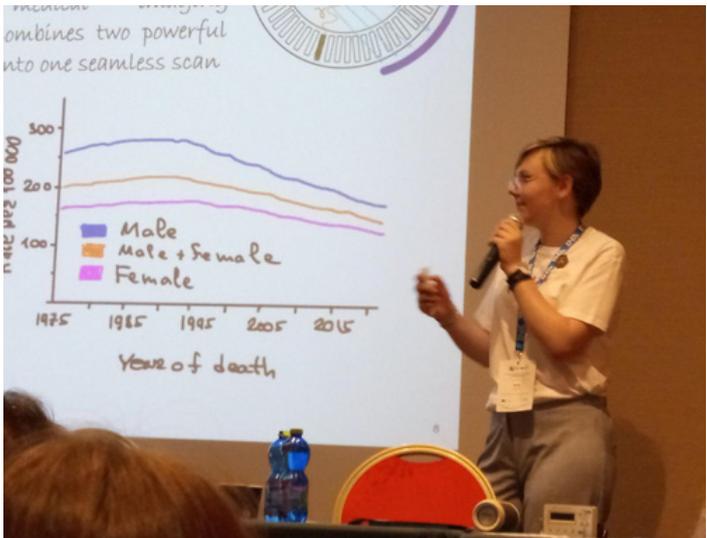
The final stage gathered 15 teams from different European countries. The Karazin University team presented their project dedicated to PET-CT.



In addition to the competition, participants enjoyed a rich educational and networking program: discussions with representatives of leading companies and organizations in the nuclear sector, lectures on career opportunities in nuclear science and engineering with speakers from SCK CEN, the European Nuclear Education Network (ENEN), the European Nuclear Society (ENS), the FuseNet Association, as well as a visit to the Brasimone Research Centre of the Italian National Agency for New Technologies, Energy and Sustainable Economic Development (ENEA).

During the visit, participants attended lectures on the current development of small modular reactors (SMRs) of the fourth generation and explored research laboratories working on the creation of lead-cooled SMRs.

We sincerely congratulate Maria Pcholkina and Kateryna Chkuaseli on their participation in such an exciting and educational event and wish them every success in the future!



ONLINE PLATFORM “MY CAREER IN THE NUCLEAR INDUSTRY”

The Ukrainian Nuclear Society presents a new information resource – the online platform “My Career in the Nuclear Industry”, created within the framework of the international project NURECAB (EU-UA Nuclear Research and Education Capacity Building, Horizon Europe) with the support of JSC “NAEK Energoatom”, the largest employer in Ukraine’s nuclear energy sector.

The platform is designed to serve as a navigator for school students, university entrants, undergraduates, and young professionals interested in building a career in nuclear energy, science, engineering, and related fields.

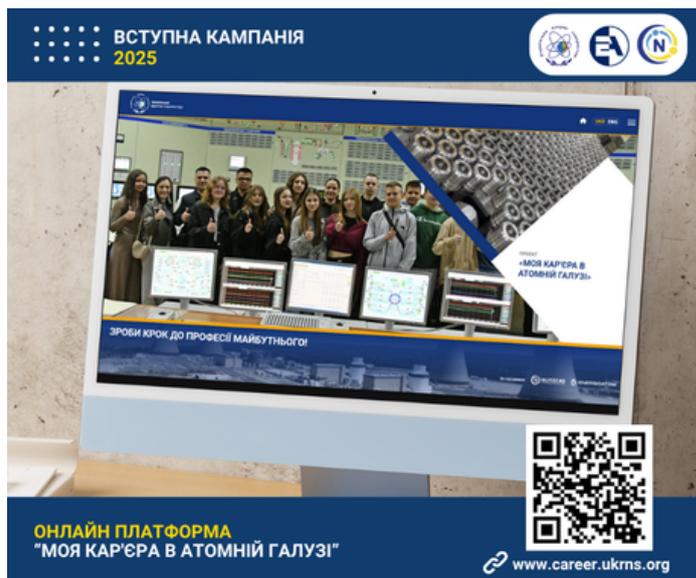
The website will feature up-to-date information about:

- specializations and educational programs at Ukraine’s leading universities;
- career opportunities in the nuclear industry;
- in-demand professions in nuclear energy and related sectors;
- current competitions, scholarships, internship programs, and educational events;
- stories of young professionals who are already successfully working in the nuclear field, and much more.

The creation of the platform has become a logical continuation of the Ukrainian Nuclear Society’s initiatives to support the professional development of the younger generation of specialists and to promote careers in the high-tech nuclear energy sector.

On June 27, 2025, an online meeting organized by the Ukrainian Nuclear Society was held to present the new web platform “My Career in the Nuclear Industry”. During the webinar, participants received relevant information about the 2025 university admission campaign, the advantages of studying in nuclear-related specialties, internship opportunities, and future employment prospects in the nuclear industry.

The project organizers hope that the platform will become a useful and accessible source of information for young people, help them make an informed career choice, broaden their understanding of opportunities in the nuclear industry, and open the path to a promising and socially important career.



THE WEBSITE IS AVAILABLE AT THE LINK:

 www.career.ukrns.org

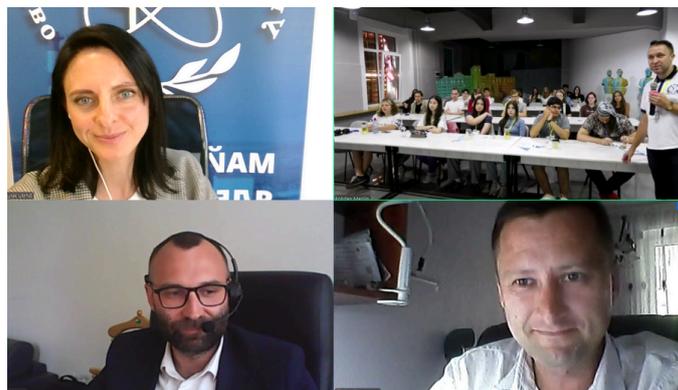


THE UKRAINIAN NUCLEAR SOCIETY HAS JOINED THE SUMMER SCHOOL ON NUCLEAR PHYSICS AT KARAZIN UNIVERSITY

From August 18 to 22, 2025, the Summer School on Nuclear Physics for high school students is taking place in Kharkiv at V.N. Karazin Kharkiv National University. The event is organized by the Educational and Research Institute “School of Physics and Technology” of KhNU with the support of the European Nuclear Education Network (ENEN) and with the participation of the Ukrainian Nuclear Society (UkrNS), which has been contributing to the school for the second year in a row.

The program features engaging lectures delivered by leading Ukrainian scientists, excursions to Kharkiv’s research institutes, a workshop on nuclear medicine, interactive games, and practical exercises that allow students to gain a deeper understanding of the work of modern nuclear science and energy.

On the opening day, August 18, representatives of the Ukrainian Nuclear Society delivered a lecture titled “The Current State and Prospects for the Development of the Nuclear Industry in Ukraine and Worldwide.” During the lecture, participants gained an integrated view of why the nuclear sector is considered strategic for Ukraine, how nuclear power plants ensure the country’s energy stability, how Ukraine is preserving and advancing its nuclear potential today, what projects are currently underway, and the key role our country may play in the future of European energy. A special contribution of UkrNS was the organization of the interactive educational game “How a Nuclear Power Plant Works,” where participants had the opportunity to feel like part of a nuclear power plant team by completing tasks simulating real production processes. This activity, introduced last year, has already become a tradition and sparked great interest among students.



ЛІТНЯ ШКОЛА З ЯДЕРНОЇ ФІЗИКИ
ХНУ ІМ. В.Н.КАРАЗІНА

In the following days, the school’s program was cover such topics as nuclear fusion and why it remains unattainable, how nuclear physics is combined with medicine, how crimes against nuclear security are investigated in the modern world, and other thought-provoking subjects.

Over the five days, participants also visited a number of leading research institutions of the field. At the end of the program, each participant received an official certificate of completion. The Ukrainian Nuclear Society expresses its gratitude to the organizers, lecturers, and partners for supporting this initiative aimed at promoting nuclear science among youth, and highlights the strong interest of students in the development of nuclear energy and industry.

ВІДЕОЗВІТ ПРО ПОДІЮ



SPORTS FOR VICTORY: UKRNS CHARITY COMPETITIONS AND EVENTS

In the summer of 2025, the Ukrainian Nuclear Society acted as a co-organizer and partner of numerous charity sports and creative events in the cities where its separate subdivisions are located.

The purpose of these events, in addition to promoting a healthy lifestyle and developing creative skills among young people, residents of satellite cities of nuclear power plants, and employees of the nuclear energy sector, was to raise funds in support of the Ukrainian Army, which includes many members of UkrNS.

The funds collected at each of these events are regularly transferred to volunteer organizations, which purchase the necessary equipment for the Armed Forces of Ukraine and provide other forms of assistance.



ВІРИМО та ДОПОМАГАЄМО
ЗСУ

ENERGY SPRINT TRIATHLON 2025

16/08 2025

9 РОК "БІЛЕ ОЗЕРО" 10:00

детальніше за тел: **(068) 046-53-72**

благодійний захід

UKRNS ПІВНІСЬКА АЕС

Організація: ГО "Українське ядерне товариство"

ПІЕК

