INFORMATION BULLETIN

Ukrainian Nuclear Society

INTERNATIONAL CONFERENCE NUCNEXT, KYIV, SEPTEMBER 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 Autumn 2025 is interesting and useful for you.

With best regards,
Ukrainian Nuclear Society

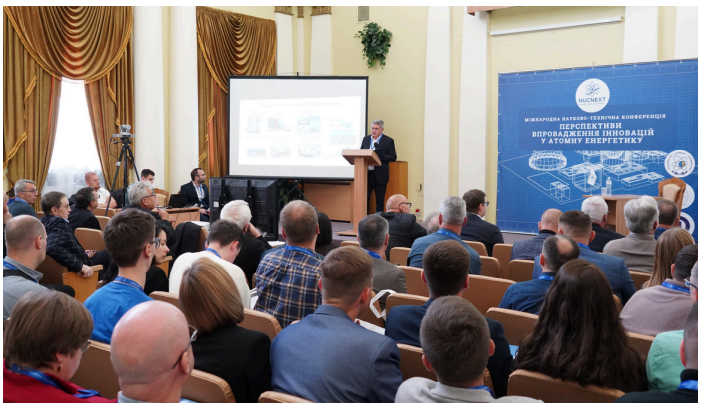
CONTENTS

INNOVATION, SAFETY, AND DEVELOPMENT: OUTCOMES OF THE INTERNATIONAL CONFERENCE NUCNEXT-2025

On September 25–26, the VII International Scientific and Technical Conference NUCNEXT-2025: "Prospects for Implementing Innovations in Nuclear Energy" was held in the Grand Conference Hall of the National Academy of Sciences of Ukraine. The event was organized by the Ukrainian Nuclear Society together with SE NNEGC "Energoatom", the Institute for Safety Problems of Nuclear Power Plants of the NAS of Ukraine, and the Council of Young Scientists of the NASU Department of Energy and Energy Technologies.

Over two days, more than 200 participants – representatives of ministries, Members of Parliament, researchers, Energoatom specialists, experts from international organizations, and young professionals – discussed the key challenges and prospects for the development of nuclear energy.

At the opening of the conference, welcome remarks were delivered by representatives of the Ministry of Energy of Ukraine, of the Parliament of Ukraine and of the National Commission on Radiation Protection of the Population of Ukraine, the management of JSC NNEGC "Energoatom," as well as the Ukrainian Nuclear Society and the National Academy of Sciences of Ukraine (in particular, the Institute for Safety Problems of Nuclear Power Plants).



The plenary session brought together representatives of Energoatom, scientific institutions, organizations, and leading industry enterprises. The agenda included Ukraine's energy strategy, construction of new nuclear units, global trends in nuclear energy, and the projected conditions for deploying small modular reactors. Special attention was paid to wartime challenges – from new safety requirements and legal aspects of military impacts on nuclear facilities to the problem of the occupation of Zaporizhzhia NPP. Initiatives for innovation development, international cooperation, and the creation of a national platform for the future of nuclear energy in Ukraine were also presented.

The conference featured seven thematic sections, covering the full spectrum of contemporary nuclear energy challenges:

- Lifetime extension and new nuclear units; Computational innovations for NPP safety and efficiency (Moderator: Oleksandr Mazurok, Energy Safety Group).
- Trends in reactor technologies and innovative solutions (Moderator: Valerii Zuiok, NSC Kharkiv Institute of Physics and Technology).
- New materials and technologies for safe and efficient nuclear energy (Moderator: Vitalii Khomenko, Pivdennoukrainsk NPP, UkrNS).
- Safety and physical protection of NPPs under wartime conditions (Moderator: Kateryna Piliuhina, ENEN).
- Innovations in spent nuclear fuel management, radioactive waste, and radioecology (Moderator: Volodymyr Kholosha, UkrNS President).
- Innovations and communication in nuclear energy (Moderator: Khrystyna Lylak, UkrNS).
- NURECAB consortium panel (Moderator: Serhii Puhach, NSC Kharkiv Institute of Physics and Technology), focusing on strengthening nuclear education and integration of Ukrainian researchers into the European nuclear community.

The success of the conference was made possible thanks to its partners and sponsors.

- General Partner: JSC NNEGC “Energoatom” – traditionally supporting expert dialogue in the nuclear field.
- Information Partner: European Nuclear Education Network (ENEN), fostering integration of Ukraine’s academic and research community into the European framework.
- Sponsors: Energy Safety Group, IPP-Centre, Atomkomplekspryla, SSTC NRS, Phoenix Contact Ukraine, Witkowiz Atomica, CestaSynergoatom, and Triumph. Their support confirmed the importance of consolidating the efforts of business, science, and government for innovation and nuclear safety development.

Participants of NUCNEXT 2025 adopted the Conference Resolution on Nuclear Energy Development and Enhanced Safety Under Wartime Conditions. The Resolution confirms that, under martial law, nuclear power remains a reliable source of electricity generation and emphasizes the need for comprehensive state support for the development of the nuclear sector. Among the priorities are the establishment of an interagency working group and preparation of a Roadmap for the deployment of Small Modular Reactors (SMRs); continuation of scientific, preparatory, and design activities for new NPP units, including AP1000 reactors and SMRs; and the completion of Units 3 and 4 at Khmelnytskyi NPP using modern technologies with a high level of localization and involvement of Ukrainian enterprises and research institutions. The document also calls for a dedicated working group bringing together Energoatom, the State Nuclear Regulatory Inspectorate, the National Security and Defense Council, and NAS research institutions to analyze Ukraine’s unique wartime operating experience and develop recommendations to enhance preparedness and safety under military threats. In addition, it recommends a strategic program to reform and modernize nuclear-related research and education to preserve human capital, continued public communication and countering disinformation through official channels, and submission of the Resolution to key state authorities for consideration in strategic policy documents on energy, science, and technology. The Resolution was also circulated to public authorities, civil society institutions, and the media.

PHOTO REPORT OF THE CONFERENCE

MEETING OF THE BOARD OF THE UKRAINIAN NUCLEAR SOCIETY: RESULTS OF 2025 AND PLANS FOR 2026

On 2 December 2025, the Board of the Ukrainian Nuclear Society held a meeting dedicated to summarizing the activities of the Society over the past year and defining the key areas of work for the year ahead. President of the Ukrainian Nuclear Society Volodymyr Kholosha opened the meeting by congratulating the members on the conclusion of a productive year and emphasizing the importance of maintaining the organization's development momentum in 2026.

The meeting agenda included the presentation of the annual report on the work of the Society, its regional branches and secretariat, the review of the budget implementation, and the approval of the activity plan and financial estimate for the upcoming year.

UKRNS BECAME A PARTNER OF THE ROUND TABLE ON THE DEVELOPMENT OF THE CHORNOBYL EXCLUSION ZONE AND THE RADIOACTIVE WASTE MANAGEMENT SYSTEM

On 20 November 2025, the "Ukrainian Nuclear Forum" Association held a round table titled "The Chornobyl Exclusion Zone: Radioactive Waste (RAW) Management. Current Status, Key Challenges and Future Vision." The event was organized in partnership with the Ukrainian Nuclear Society (UkrNS) and the Joint Support Office for Facilitating the Management of the Instrument for Nuclear Safety Cooperation in Ukraine (JSO).

The round table brought together representatives of the Ministry of Energy, the State Agency of Ukraine on Exclusion Zone Management, Energoatom, SSTC NRS, specialized enterprises, and European partners to discuss the current state of Ukraine's RAW management system, the development of infrastructure in the Exclusion Zone, and the alignment of national policy with Euratom directives.

UkrNS President Volodymyr Kholosha delivered a presentation titled "Current State of Radioactive Waste Management," providing an overview of the regulatory framework, distribution of responsibilities within the sector, key sources of RAW generation, and existing infrastructure. He paid special attention to the current condition of the Shelter object, challenges in implementing targeted programs, and the need to accelerate the development of RAW storage facilities.

UkrNS continues to support professional dialogue among state institutions, experts, and international partners to advance a modern and safe policy for radioactive waste management as an integral part of Ukraine's nuclear sector development.

UKRAINIAN NUCLEAR SOCIETY AND BSWN ROUND TABLE: ADVANCING WOMEN'S POTENTIAL IN THE NUCLEAR SECTOR

On 25 November 2025, a round table dedicated to the role of women in the development of nuclear power was held at the George Kuzmych National Training Center for Physical Protection, Nuclear Material Accounting and Control. The event, organized by the Ukrainian Nuclear Society in partnership with the Black Sea Women in Nuclear Network (BSWN), brought together women professionals from various sectors who contribute every to the safe and efficient operation of the nuclear industry.

The round table welcomed 25 participants -engineers, researchers, lecturers, representatives of nuclear power plants, public authorities, regulatory and specialized institutions, as well as private enterprises and companies.

Discussions covered both strategic and practical aspects of women's engagement in the nuclear field - from overcoming barriers and stereotypes to creating an environment in which women can pursue professional ambitions and lead complex projects. Participants shared their perspectives on the development of gender policies within their organizations and highlighted practices that support equal opportunities across the sector.

The program featured a series of substantive sessions. During a panel discussion on challenges and ways to address them, participants jointly analyzed barriers affecting women's career paths in technical professions and shared examples of how persistence, professionalism, and peer support helped overcome bias and enabled them to become leaders within their teams.

A case study session on women's leadership in the nuclear field showcased specific initiatives and projects led by or involving the participants. These stories - from research to organizational and technological solutions - provided compelling evidence of women's significant contribution to nuclear engineering, safety, and education. Olena Vtoraia, Head of the Women's Section of the Society and of its separate unit in Yuzhnoukrainsk, presented the activities of one of UkrNS's most active branches. Iryna Hladiuk, design engineer at the Design and Technology Department of the "KhNPP" Branch of JSC NNEGC "Energoatom," spoke about a women's perspective on professional motivation and safety culture.

A separate part of the round table focused on trends shaping the future of the sector: supporting young women professionals, creating mentoring programs, improving educational approaches, and expanding opportunities for professional growth. In addition to the discussions, participants attended a psychological workshop led by Oleksii Honcharenko, a specialist from South Ukraine NPP, where they practiced nonviolent communication techniques, explored the role of emotional literacy, and received recommendations for developing a personal leadership trajectory.

Participants also enjoyed an engaging guided tour of the training facilities of the Nuclear Material Accounting and Control Training Ground of the Institute for Nuclear Research of the NAS of Ukraine.

ATOM SLAM-2025: A NEW COMMUNICATION FORMAT FOR THE NUCLEAR COMMUNITY

In Kyiv, at the Grand Conference Hall of the National Academy of Sciences of Ukraine, within the framework of the VII International Scientific and Technical Conference NUCNEXT-2025, an innovative new event Atom Slam-2025 was held. It was organized by the Ukrainian Nuclear Society with the support of the international project NURECAB, which promotes the development of a new generation of scientists and the integration of Ukrainian researchers into the European scientific space.

The event took place after the first day of the conference and became a new format for communication among nuclear industry professionals, where serious topics were presented in an informal atmosphere. The idea of Atom Slam was to create an unusual platform for promoting ideas and projects in nuclear energy and related fields. Each participant had up to ten minutes to present their development or research in a clear and accessible way. The winner was chosen by the loudness of applause from the audience – the listeners and speakers of the first day of NUCNEXT-2025. For this, a special "noise meter" device recorded the level of applause support for each participant.

Leaders of the Youth Section of the Society as well as representatives of the Ukrainian Nuclear Society's regional branches in Rivne, Kharkiv, and at the Institute for Nuclear Research of the NAS of Ukraine contributed to the organization and implementation of the event. To ease the tension, the organizers also provided "emotional therapists" – an improvised bar with drinks, where participants were greeted with signature cocktails with telling names such as "Nuclear Fusion," "Electron Cloud," and "Fission."

The Atom Slam-2025 presentations covered a wide range of nuclear science and technology topics. Based on the audience vote, the best Atom Slam-2025 presentation was chosen to be that of Vitalii Khomenko from the UkrNS branch at South-Ukraine NPP with project "Pipeline Robot and Electro-Grippers – engineering solutions to enhance safety at NPPs".
Atom Slam-2025 demonstrated how the Ukrainian Nuclear Society supports young professionals and creates new formats of communication in the sector. The event brought together experienced experts and students, providing them with a platform for informal interaction and exchange of ideas. According to participants, such an atmosphere helps to unlock potential and motivates them to present science in an interesting, clear, and engaging way.

UKRAINIAN NUCLEAR SOCIETY – PARTICIPANT OF THE WORLD NUCLEAR EXHIBITION 2025

From November 4 to 6, 2025, the World Nuclear Exhibition (WNE 2025) – the leading global event of the civil nuclear industry – is taking place in Paris, France. The exhibition brings together companies and organizations from around the world working in the nuclear sector – from energy production to medicine, agriculture, space, and other high technologies.

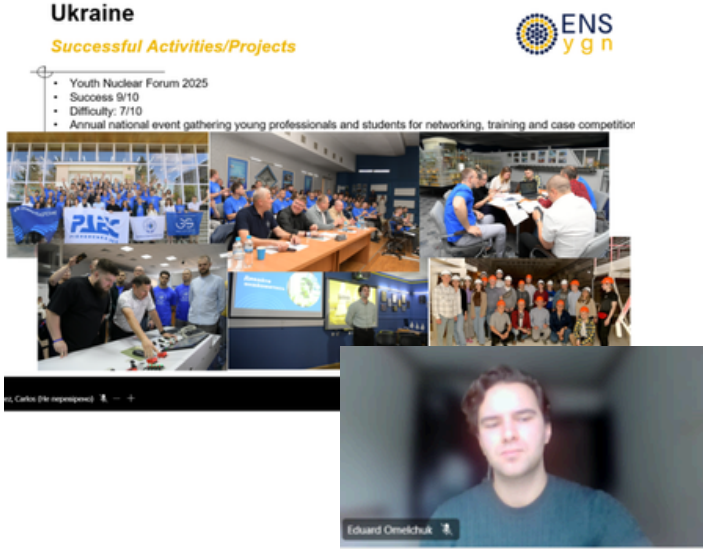
This year, alongside major Ukrainian nuclear and related companies and organizations, including Energoatom, Energy Safety Group, Impulse, Radiy, IPP-Centre, and the Ukrainian Nuclear Forum Association, the Ukrainian Nuclear Society (UkrNS) is also taking part in the event. The UkrNS exhibition area is part of the booth of the Ukrainian NPP operator Energoatom and presents the Society's activities in the field of professional cooperation, educational initiatives, and international partnerships within the nuclear sector.

During the exhibition, UkrNS holds meetings with international partners to discuss ongoing and new areas of cooperation. In particular, a meeting was held with the leadership of the European Nuclear Society (ENS), including ENS President Dr. Stefano Monti, and with representatives of the Polish, Belgian, Italian, and other European nuclear societies, as well as organizations and companies of the sector.

REPRESENTATIVE OF UKRNS TOOK PART IN THE ENS YOUNG GENERATION NETWORK STEERING COMMITTEE MEETING

On October 11, 2025, in Stockholm (Sweden), the third meeting of the Steering Committee of the European Nuclear Society – Young Generation Network (ENS-YGN) took place. The event was held in a hybrid format – both in person at the Vattenfall AB headquarters in Solna and online. Today, ENS-YGN unites young professionals from 20 member countries, whose representatives meet several times a year to discuss joint activities, projects, and strategic plans.

The Ukrainian Nuclear Society (UkrNS) was represented by Eduard Omelchuk, Head of the UkrNS Youth Section and representative of the UkrNS Rivne regional branch and Rivne NPP, who joined the meeting online. In his presentation, he introduced key activities of the Ukrainian young nuclear community in 2025, including the Youth Nuclear Forum (YNF) – a platform for engineering collaboration, cross-team workshops, and mentoring; the NUCNEXT International Conference – one of the few in-person professional events for discussing innovations and challenges in nuclear energy; and Atom Slam – a new informal communication format for promoting ideas and projects in nuclear energy and related fields. He invited ENS-YGN members to take part in future UkrNS initiatives in any convenient format.



PARTICIPATION OF UKRNS MEMBERS IN THE INTERNATIONAL CONFERENCE ON NUCLEAR FUEL

Members of the Ukrainian Nuclear Society took part in the "1st International Conference on LWR Fuel Performance, Modelling and Experimental Support", held on September 14–19, 2025, in Nessebar, Bulgaria. The conference was organized by the Institute for Nuclear Research and Nuclear Energy of the Bulgarian Academy of Sciences (INRNE-BAS) with the support of Framatome, Westinghouse, Studsvik, and Kozloduy NPP. Although titled as the "first," the conference continues the tradition of thirteen previous VVER Fuel Conferences (1994–2019), dedicated to the same topics and supported by various international partners.

The event served as a platform for sharing knowledge on fuel performance and modelling, combining academic research, industrial experience, and operational insights. Scientists, NPP experts, reactor designers, regulators, and suppliers discussed the latest advancements in fuel technologies for light water reactors (LWRs) - including VVER reactors operating in Ukraine. The program included sessions on:

- Fuel properties and operation experience;
- Fuel design improvement and performance;
- Fuel modelling and experimental support;
- Fuel safety and quality control;
- Spent fuel management and efficiency.

More than 50 reports were presented, and their abstracts published in the official **Book of Abstracts**. The conference encouraged active discussion of each report and exchange of views among nuclear professionals from various countries.
Ukraine was represented by a strong team of experts from: JSC "NNEGC "Energoatom", National Science Center "Kharkiv Institute of Physics and Technology" (NSC KIPT) and the Energy Safety Group LLC.

In co-authorship with UkrNS members, three reports were presented.
The report "Approaches to Supply Ukrainian NPPs with Core Components" showcased Ukraine's real experience in diversifying VVER (VVER-1000 and VVER-440) core components. It also addressed the justification of the safe operation and service time extension of operating RCCAs and the qualification of newly developed RCCAs (VVER-1000), Control part of Follower Assemblies (VVER-440), and Shield Assemblies (VVER-440) of national design. Participants agreed that, with the scientific support of Ukraine's private companies and research institutions (especially the "Nuclear Fuel Cycle" STE of NSC KIPT), Energoatom is timely implementing measures to secure alternative, nationally designed reactor core components - replacing items previously supplied exclusively by the RF. These diversification efforts may also be relevant for other European countries operating VVER reactors.

The report "Development of Neutron-Absorbing Materials and RCCA with Increased Performance for VVER-1000 Reactor" presented the results of high-level researches at NSC KIPT, demonstrating high readiness to produce control rods and control rod assemblies for VVER-1000 reactors with improved operational characteristics. The authors proposed an alternative RCCA design, geometrically identical to the standard one but featuring a pellet-type absorber material instead of the standard powder form, providing enhanced neutron absorption and reliability.

In the report "Studying the Integrity of SNF Rod Cladding at Various Stages of Dry Storage Technology Implementation" Ukrainian experts presented a methodology for predicting the performance of fuel rod claddings made of E110 (TVS-M/A) and ZIRLO (WFA/RWFA) alloys under thermal effects at different stages of dry storage technology implementation. The calculation method, based on laboratory simulation tests, can be applied to justify cladding integrity in any dry storage facility containing these alloys. This approach has already been implemented at the Spent Fuel Dry Storage Facility (SFDSF) at Zaporizhzhia NPP.

At the conclusion of the conference, all presenters received participation certificates from Prof. Dimitar Tonev, Director of the INRNE-BAS.

THE SECOND CAREER EVENT "ENERGY FUTURE: YOUR CAREER IN THE NUCLEAR INDUSTRY" TOOK PLACE

On November 27, 2025, the Ukrainian Nuclear Society together with Energoatom held the second career event for students within the framework of the NURECAB project. The initiative aims to inform young people about current employment opportunities in the nuclear sector, working conditions, and career prospects, as well as to facilitate direct dialogue between students and enterprises of the atomic industry.

This time, the event brought together over 60 students from higher education institutions across Ukraine, including Igor Sikorsky Kyiv Polytechnic Institute, Taras Shevchenko National University of Kyiv, Kyiv Energy College, Odesa Polytechnic National University, Lviv Polytechnic National University, V.N. Karazin Kharkiv National University, Kharkiv Polytechnic Institute, National University of Water and Environmental Engineering, Vinnytsia National Technical University, and others. More than 30 students attended in person at Energoatom's headquarters, while others joined online.
The program featured presentations by representatives of Energoatom, scientific institutions, and leading industrial enterprises. Speakers discussed requirements for young specialists, opportunities for internships, open vacancies, participation in research, and prospects for career development.

Companies such as Energy Safety Group, Impulse, SE "USIE IZOTOP", Westron, and IPP-Centre presented their activities and opportunities for youth. Representatives of the Scientific and Technical Center branch of Energoatom, the State Scientific and Technical Center for Nuclear and Radiation Safety, the Institute for Nuclear Research, and the George Kuzmych Training Center for Physical Protection, Accounting, and Control of Nuclear Material familiarized students with research and professional pathways in nuclear science. Members of the Black Sea Women in Nuclear Network (BSWN) also presented opportunities for mentorship and career growth through their platform.

Particular interest was sparked by the presentations of young professionals who found employment after participating in the first career event held in February 2025. Young employees from Energoatom, Energy Safety Group, and Impulse shared their first-hand experiences, impressions, and plans for professional growth.

After the official program, participants had the chance to communicate informally with company representatives, ask questions, and receive personal career advice.
The Ukrainian Nuclear Society sincerely thanks all partners, speakers, and participants for their engagement. Together, we are shaping a new generation of professionals ready to contribute to the development of Ukraine's nuclear energy sector.

On December 11–12, the final stage of the All-Ukrainian Essay Contest for school students “Nuclear Energy and the World” took place. The contest is held annually by the Ukrainian Nuclear Society together with JSC “NAEK Energoatom”, with the support of the Energy Safety Group of Companies and partner higher education institutions: Igor Sikorsky Kyiv Polytechnic Institute, Lviv Polytechnic National University, Odessa Polytechnic National University, and V. N. Karazin Kharkiv National University.

The purpose of the contest is to promote knowledge of nuclear physics and nuclear energy, support talented school students, and encourage high-school pupils to pursue studies at specialized higher education institutions and further professional careers in Ukraine’s nuclear sector.

During the autumn, selection rounds were held, resulting in 26 finalists from various regions of Ukraine. The participants represented NPP satellite cities (Varash, Netishyn, Yuzhnoukrainsk), as well as Kyiv, Kharkiv, Lviv, Odesa, Zaporizhzhia, Slavutych, Uzhhorod, and Chop. The final stage of the contest was conducted online. Participants presented their research papers to a jury composed of experts from leading industry enterprises, research institutions, and higher education institutions of Ukraine. The works were evaluated according to the relevance of the topic, depth of analysis, logical structure, quality of conclusions, and the level of oral presentation.

Submitted essays covered a wide range of scientific and applied topics reflecting the current state and future prospects of the nuclear industry. A significant portion of the works focused on innovative technologies in nuclear energy, particularly the application of artificial intelligence, digital twins, and computer modeling to improve the safety and efficiency of nuclear power plants, as well as the integration of AI into the control of nuclear and thermonuclear reactors.

A substantial block of research addressed issues of nuclear and radiation safety, including the impact of radiation on humans and the environment, risk assessment for nuclear infrastructure under climate change conditions, lessons learned from major nuclear accidents, and modern approaches to ensuring the safe operation of nuclear power plants. Special attention was also given to radioactive waste management, disposal and storage methods, and issues related to the nuclear fuel cycle. Alongside technological aspects, the contestants explored strategic perspectives of nuclear energy development, including small modular reactors, fast reactors, and thermonuclear fusion, as well as global trends in the industry. Some papers took an interdisciplinary and social approach - from the use of nuclear technologies in medicine and forensic science to the analysis of public perception of nuclear energy and the formation of trust in the “peaceful atom” in today’s world.

THE THIRD SEASON OF THE "NUCLEAR SCHOOL" PROJECT HAS LAUNCHED AT KHMELNYTSKYI NPP

The third season of the "Nuclear School" career guidance and educational project has started at Khmelnytskyi NPP. More than 30 high-school students from lyceums and gymnasiums in the satellite city and the 30 km observation zone of Khmelnytskyi NPP (including students of the Netishyn Vocational Lyceum) will have the opportunity not only to gain knowledge in the field of nuclear energy, but also to learn more about the plant's operations.

The project aims to promote nuclear energy, build partnerships between the enterprise and educational institutions in Netishyn and the 30 km observation zone of Khmelnytskyi NPP, support the plant's positive image, and form a strong potential talent pool for Khmelnytskyi NPP among students.

The seven-month career guidance and educational project "Nuclear School," organized by Khmelnytskyi NPP with the support of the Ukrainian Nuclear Society, will include tours of the industrial site and key plant divisions, lectures and practical assignments from managers, leading experts and instructors, business simulations, meetings with representatives of specialized universities, young professionals, and internships in positions at the energy enterprise.

THE UKRNS JOINED THE CREATION OF UKRAINE'S FIRST VIRTUAL ACADEMY OF ENVIRONMENTAL EDUCATION – "ECOEDUCATION"

On October 7, Kyiv hosted the presentation of an innovative educational platform — "EcoEducation", aimed at training specialists capable of implementing the principles of sustainable development and environmental responsibility across various sectors of the economy, particularly in the energy field.

The project was developed by the Professional Association of Environmentalists of the World (PAEW) in partnership with NNEGC "Energoatom", the Ukrainian Nuclear Society, and the Office of Sustainable Solutions.

The virtual academy will become a practical tool for teachers, students, and business representatives, providing access to modern knowledge, interactive courses, and real-world case studies from leading companies in the fields of energy and environmental protection. The event brought together representatives of government institutions, academia, environmental organizations, and energy enterprises.

One of the key discussion topics was the role of nuclear energy in ensuring an environmentally safe future and achieving Ukraine's climate goals. The presentation of the "EcoEducation" platform became an important step toward integrating environmental and energy education. The Ukrainian Nuclear Society will continue to support educational initiatives that cultivate scientific thinking, environmental awareness, and an understanding of the role of nuclear energy in Ukraine's sustainable development.

PARTICIPATION IN THE 6TH ANNUAL FORUM "UKRAINE'S FUTURE OUTLINE: HOW BUSINESS AND UNIVERSITIES BUILD THE COUNTRY'S CAPACITY

On 9 December 2025, Volodymyr Kholosha, President of the Ukrainian Nuclear Society (UkrNS), took part in the 6th Annual Forum "Ukraine's Future Outline: How Business and Universities Build the Country's Capacity," organized by the Professional Association of Environmentalists of the World (PAEW) and held at the National University of Kyiv-Mohyla Academy. The event brought together academia, business, public institutions, and professional associations to discuss how education and cross-sector partnerships strengthen Ukraine's human capital for recovery and the development of a green economy.

During the discussion, Volodymy Kholosha presented UkrNS activities and joint initiatives with JSC NNEGC "Energoatom" aimed at engaging young people and building the nuclear sector's talent pipeline. He emphasized that nuclear energy is a strategic driver of Ukraine's economic resilience and requires a new generation of specialists across engineering, science, IT and cybersecurity, radiation safety, and project management.

UkrNS participation in such forums supports stronger cooperation between education, industry, and the state, helping create practical career pathways for students and young professionals.

POWERING RESILIENCE

Amidst the ongoing challenges to Ukraine's energy infrastructure, the international nuclear community continues to demonstrate unwavering solidarity. The Ukrainian Nuclear Society (UkrNS) is pleased to report on the successful delivery and installation of backup power equipment aimed at ensuring the continuity of critical educational, scientific, and social work.

With the assistance of international partners, portable power stations have been distributed to priority institutions in key nuclear cities:

- Kharkiv: The "School of Physics and Technology" at V.N. Karazin Kharkiv National University received equipment to protect scientific data and maintain coordination at this historic center of nuclear physics.
- Odesa: The Department of Nuclear Power Plants at Odesa Polytechnic National University can now sustain essential training for the next generation of engineers and maintain digital databases during outages.
- Pivdennoukrainsk: The Center for Social-Psychological Rehabilitation of Children has been equipped to ensure uninterrupted therapy sessions and a safe environment for vulnerable children in the satellite city of the South Ukraine NPP.
- Varash: The Department of Social Development of Rivne NPP received units to support community facilities serving the families of nuclear workers

Acknowledgments to Partners

The Ukrainian Nuclear Society expresses deep gratitude to the European Nuclear Society (ENS) for its vital role in coordinating efforts and mobilizing the European community to support Ukrainian colleagues.

We extend a special acknowledgment to the American Nuclear Society (ANS), which provided the largest volume of assistance for this initiative. This major contribution was instrumental in purchasing and delivering the essential equipment that now supports the entire ecosystem of the Ukrainian nuclear sector - from school desks to university laboratories.

Furthermore, we wish to highlight the significant contribution of the Italian Nuclear Association (AIN) and its President, Dr. Stefano Monti. Their recent donation to the ENS-ANS Fund stands as a powerful symbol of professional solidarity, making a tangible difference in the lives of nuclear workers' families and the functioning of educational institutions affected by energy disruptions.

INVITATION TO PARTICIPATE IN THE 3RD INTERNATIONAL SCIENTIFIC AND TECHNICAL CONFERENCE NAMED AFTER V. M. VOYEVODIN "PROBLEMS OF MODERN NUCLEAR POWER"

On April 15–17, 2026, the 3rd International Scientific and Technical Conference named after V. M. Voyevodin "Problems of Modern Nuclear Power" will take place in Kharkiv, Ukraine. Organizers of the conference: Ukrainian Nuclear Society, National Science Center "Kharkiv Institute of Physics and Technology", V. N. Karazin Kharkiv National University.

Within the framework of the conference, the following topics will be addressed:

- development of Ukraine's nuclear power sector;
- materials for nuclear energy;
- enhancement of safety and operational efficiency of nuclear power plants;
- lifetime extension of power units and management of ageing of NPP equipment;
- nuclear, radiation, and environmental safety in radioactive waste and spent nuclear fuel management;
- issues of thermonuclear fusion;
- nuclear medicine;
- public communication and outreach in the nuclear industry.

Representatives of research institutions, enterprises, and organizations of Ukraine's nuclear sector and related industries, as well as specialized higher education institutions, are invited to participate in the conference.

THE 3RD INTERNATIONAL SCIENTIFIC AND TECHNICAL CONFERENCE NAMED AFTER V. M. VOYEVODIN

PROBLEMS OF MODERN NUCLEAR POWER

V. N. Karazin Kharkiv National University | Karazin University «YermilovCentre»

Kharkiv, Ukraine **15-17** APRIL, 2026

Detailed information about the conference, the event schedule, and the requirements for abstract submission is available at the link:

CONFERENCE INFORMATION

Working languages of the conference: Ukrainian, English.

APPLICATION FORM

Submission of applications until 1 March 2026

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