



# INFORMATION BULLETIN

Ukrainian Nuclear Society



## UKRNS MEMBERSHIP IN THE ENEN

### 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 January - April 2025 is interesting and useful for you.

With best regards,  
Ukrainian Nuclear Society

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## INTERNATIONAL MEMBERSHIP IN THE EUROPEAN NUCLEAR EDUCATION NETWORK (ENEN)

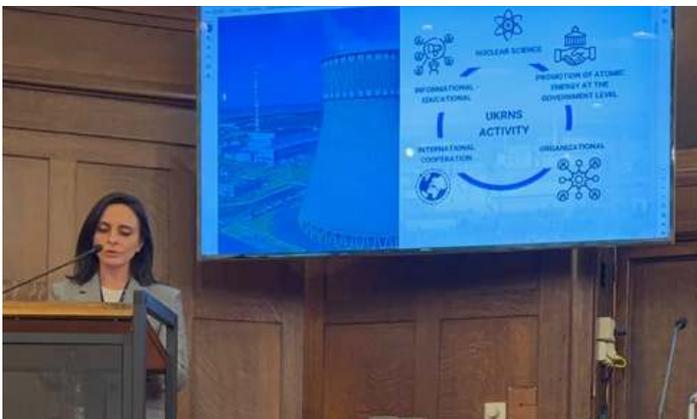
### INTERNATIONAL MEMBERSHIP



UkrNS representatives emphasized the significant opportunities that membership in this international organization provides for Ukrainian specialists. These include: strengthening cooperation with European colleagues in the field of nuclear education; enhancing the skills and knowledge of young scientists and nuclear industry professionals; participation in European training programs, internships, and other educational initiatives; joint efforts to attract young generations to the nuclear sector.

On March 6-7, 2025, the VIII General Assembly of the European Nuclear Education Network (ENEN) and the special ENEN event took place in Brussels, Belgium. During the General Assembly, a Memorandum of Understanding was signed between the Ukrainian Nuclear Society and ENEN, officially granting UkrNS international membership in the European Nuclear Education Network.

Both Ukrainian membership applications were unanimously approved by the ENEN General Assembly. According to the signed Memorandum of Understanding, UkrNS and ENEN will collaborate on increasing youth engagement and interest in nuclear energy and industry, improving the training of young professionals, implementing educational and training projects, and promoting career opportunities in the field.



### Background Information About the European Nuclear Education Network (ENEN)

The European Nuclear Education Network (ENEN) is an international non-profit organization dedicated to preserving and further developing expertise in the nuclear field through the advancement of higher education and training across Europe. This goal is achieved through close cooperation among universities, research organizations, regulatory authorities, industry representatives, and other institutions involved in nuclear science.

With this new membership, the Ukrainian Nuclear Society strengthens its position in the international nuclear education community and opens new horizons for the development of nuclear expertise in Ukraine.

The ENEN General Assembly is held annually to discuss the association's general policy and organizational aspects, as well as to make decisions on accepting new members. This year, ten candidates from various European countries applied for membership, including organizations, enterprises, and educational institutions from the nuclear sector. Among them were the Ukrainian Nuclear Society and Taras Shevchenko National University of Kyiv. During the presentation of the Ukrainian Nuclear Society, General Assembly participants were introduced to the activities of Ukraine's largest professional public organization and UkrNS's initiatives in supporting and developing nuclear education in Ukraine.



## PARTICIPATING IN THE NURECAB WORKING MEETING “UKRAINE-EU SYNERGIES FOR NUCLEAR EDUCATION AND TRAINING”

On March 6, 2025, Brussels (Belgium) hosted the next workshop of the NURECAB project, “Ukraine-EU Synergies for Nuclear Education and Training.”

The meeting took place as part of the special ENEN event “Competence Development for the Sustainability of European Energy.”

The event covered key topics, including:

- Ukraine’s experience in maintaining nuclear education during wartime and the efforts of Ukrainian universities to sustain high-level training for specialists despite current challenges.
- Ukraine’s successful transition away from Russian nuclear fuel as a model for implementing European strategies to diversify supply sources.
- Prospects for the development of Ukraine’s nuclear industry and the workforce needed to support these initiatives.
- The transformation of the radiation and nuclear medicine sector in Ukraine and the challenges associated with its implementation, among others.



The working meeting was opened by Mykola Dziubynskyi, a representative of the European Commission’s EURATOM Program, along with event organizers Serhii Puhach (National Science Center “Kharkiv Institute of Physics and Technology”), coordinator of the EURATOM National Contact Point in Ukraine, and Kateryna Pilyuhina, Program Manager/Head of Nuclear Safeguards and Safety at ENEN.

At the invitation of the organizers, Tetiana Zakrevska, Head of the separate division of the Ukrainian Nuclear Society, established on the basis of the branch of “SS “Atomprojectengineering”, Head of the licensing division, design and technical management department SS “Atomprojectengineering” JSC “NNEGC “Energoatom”, gave a presentation of the company’s promising projects. In her speech, Tetiana Zakrevska provided an in-depth overview of plans for the construction of new nuclear power plant units, with a particular focus on the completion of Units 3 and 4 of the Khmelnytskyi NPP.

A key part of the event was the presentation of research results from the NURECAB project, which analyzed the alignment of young nuclear professionals’ training in Ukraine with employer expectations and industry needs. The Ukrainian Nuclear Society played an active role in this research, conducting data collection and analysis among representatives of industrial enterprises, nuclear energy and industry companies, and organizations in the field of nuclear medicine. Beyond presentations, the workshop included a discussion on European energy security support and the importance of Ukraine’s experience in developing the European nuclear sector.

As part of the ENEN special event “Competence Development for the Sustainability of European Energy,” an interactive exhibition was held, showcasing contributions from various companies and organizations within the nuclear sector to Education and Training programs aimed at developing professional skills. The Ukrainian Nuclear Society also participated in the exhibition, presenting its key activities and initiatives focused on supporting and advancing nuclear education in Ukraine.

\*Participation in the events was made possible with the support of the NURECAB project (GA#101173510), funded by the European Union under the EURATOM program, Horizon Europe.



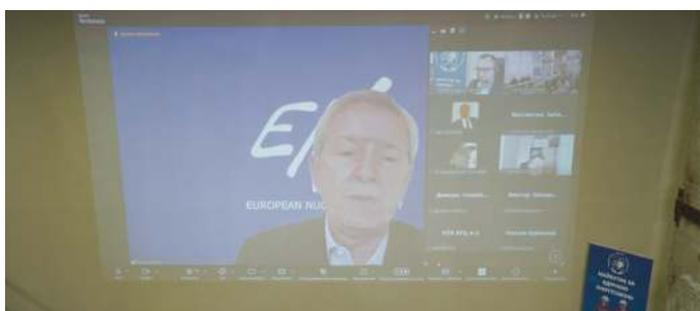
## THE II INTERNATIONAL CONFERENCE NAMED AFTER V. M. VOEVODIN UNITED THE NUCLEAR COMMUNITY OF UKRAINE AND EUROPE IN KHARKIV

On April 16–18, 2025, the II International Scientific and Technical Conference named after V. M. Voevodin “Problems of Modern Nuclear Power” was held in Kharkiv, hosted by V. N. Karazin Kharkiv National University. The event once again became a significant occasion for the scientific, educational, and professional community of Ukraine’s nuclear industry.

The conference gathered 160 registered participants, with around 50 attending in person. More than 60 speakers — including researchers, industry professionals, students, and postgraduate students — presented their studies, innovative technologies, and new approaches to nuclear energy development.

The opening ceremony featured welcome remarks from the event organizers and partners: the Ukrainian Nuclear Society (UkrNS), V. N. Karazin Kharkiv National University, the National Science Center “Kharkiv Institute of Physics and Technology,” the European Nuclear Society (ENS), and other leading research institutions.

Anton Panteleymonov, Vice-Rector for Scientific and Pedagogical Work of V. N. Karazin Kharkiv National University, emphasized the importance of the conference for the academic community and for the development of nuclear science in Ukraine. Volodymyr Kholosha, President of the Ukrainian Nuclear Society, underlined the role of the conference as a platform for discussing the key challenges and future prospects of the Ukrainian nuclear sector, expressing gratitude to professionals who, despite the war, continue to implement innovations and strengthen the nuclear share in Ukraine’s energy system.



Dr. Eng. Stefano Monti, President of the European Nuclear Society, also joined the opening session. In his remarks, he emphasized the importance of international cooperation, scientific exchange, and the European nuclear community’s support for Ukraine. He wished participants fruitful work and highlighted that the conference represents not only a technical dialogue, but also a symbol of solidarity and shared commitment to the nuclear future of both Ukraine and Europe.





Academician of the National Academy of Sciences of Ukraine and Chair of the Organizing Committee, Mykola Azarenkov, shared the history of the conference's foundation and paid tribute to Viktor Mykolaiovych Voevodin — the event's visionary and long-time member of the UkrNS Board and the ENS High Scientific Council.

A key highlight of the first day was the panel discussion on the completion of Units 3 and 4 at the Khmelnytskyi Nuclear Power Plant. The discussion covered the strategic importance of the project, technical challenges, and the role of scientific and technical support. Thematic sessions focused on materials science, new technologies for fuel assemblies and reactor pressure vessel steels, radiation protection, and environmental impact forecasting. Special attention was also paid to public communication, nuclear safety, Ukraine's participation in the Euratom Program, cybersecurity, automated process control systems, and the use of blockchain in nuclear supply chain management. These discussions reflected the interdisciplinary scope of the conference and its contribution to shaping the future of nuclear energy in Ukraine. The agenda of the following two days also covered a wide range of topics — from materials science, operational safety, and plant life extension to public outreach, radioactive waste management, and prospects of thermonuclear fusion. The panel discussion on the Khmelnytskyi NPP expansion remained a focal point of interest.



Held in a hybrid format with online participation, the conference succeeded in engaging a broad audience, including international participants. The event once again demonstrated the resilience and determination of Ukraine's scientific community to advance the critical field of nuclear energy despite the challenges of war.

The conference was supported by Energy Safety Group, which partnered with the event as a strong example of collaboration between business, science, and education during wartime.



**VIDEO RECORDINGS OF ALL THREE DAYS OF THE CONFERENCE ARE AVAILABLE ON THE OFFICIAL YOUTUBE CHANNEL OF THE UKRAINIAN NUCLEAR SOCIETY:**

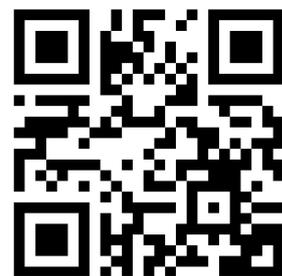


**Українське Ядерне Товариство**  
 Українське Ядерне Товариство – найбільша громадська ядерна науково-технічна організація, що об'єднує основні підприємства та навчальні заклади атомної...

 YouTube

**THE BOOK OF ABSTRACTS IS AVAILABLE AT THE FOLLOWING LINK:**

 <https://bit.ly/4jhRKbf>



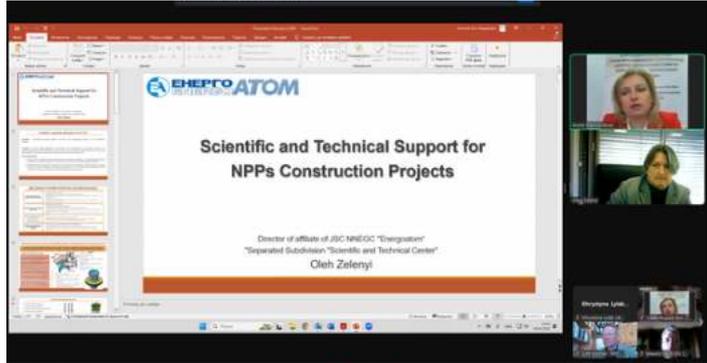
# UKRAINIAN NUCLEAR SOCIETY INITIATED STRATEGIC PANEL ON NEW NPP UNITS AT INUDECO 2025

On April 29, 2025, as part of the 10th Anniversary International Conference INUDECO 2025, the Ukrainian Nuclear Society held a dedicated panel discussion focused on key issues surrounding the future of nuclear power generation in Ukraine. Discussions covered prospects for new nuclear power units, technological implementation aspects, international experience, and current challenges in the sector.

The panel was moderated by Volodymyr Kholosha, President of the Ukrainian Nuclear Society, who opened the event with an overview of the current status of new build projects and emphasized their strategic importance for the country's energy independence.

The panel featured insights from leading industry experts. Hennadii Samosiei, Deputy Chief Engineer for New Units at Khmelnytskyi NPP, highlighted the technological specifics and readiness for implementing high-capacity power unit projects. Oleh Zelenyi, Director of the R&D Center of SE NNEGC Energoatom, presented on the scientific and technical support for nuclear energy investment projects, including new builds.

The session also included a professional discussion on international best practices, regulatory approaches, and the necessary steps for advancing new nuclear projects in Ukraine.



INUDECO 2025 ("Problems of Decommissioning of Nuclear Facilities and Environmental Restoration") is being held in the city of Slavutych from April 25 to 30. This year's theme is "Nuclear Energy: Safety Challenges." The conference brings together 102 participants from 10 countries, including nuclear energy professionals, environmentalists, government representatives, international organizations, and academic institutions. The Ukrainian Nuclear Society is a co-organizer of this significant event.



THE VIDEO ABOUT OPENING CONFERENCE INUDECO 2025



## UKRAINIAN NUCLEAR SOCIETY TOOK PART IN THE ROUNDTABLE DISCUSSION “NUCLEAR ENERGY OF UKRAINE: NEW CHALLENGES AND DEVELOPMENT PROSPECTS”

On March 31, 2025, Kyiv hosted a roundtable discussion dedicated to the strategic directions of Ukraine’s nuclear energy development. The event brought together leading industry experts to discuss the modernization of the energy system, the construction of new power units, and the implementation of advanced technologies.

The discussion was opened by Oleksandr Ostapovets, President of the “Ukrainian Nuclear Forum” Association, Acting First Vice President – Technical Director of NNEGC “Energoatom.” Participants addressed key challenges for the nuclear industry, the role of Ukrainian enterprises in implementing promising projects, nuclear fuel production opportunities, and the contribution of nuclear energy to the decarbonization of the Ukrainian economy.

Volodymyr Kholosha, President of the Ukrainian Nuclear Society, delivered a report on the completion of power units No. 3 and No. 4 of the Khmelnytskyi NPP, emphasizing the project’s strategic importance for Ukraine’s energy independence. The participants exchanged views and proposals, developing joint recommendations for the further development of Ukraine’s nuclear energy sector.



## MEETING OF THE SCIENTIFIC AND ANALYTICAL SECTION OF THE UKRAINIAN NUCLEAR SOCIETY: KEY TOPICS – INTERNATIONAL COOPERATION, EDUCATION, AND SAFETY

On April 9, 2025, the regular meeting of the Scientific and Analytical Section of the UkrNS took place. The event brought together experts from leading enterprises and research institutions of Ukraine’s nuclear sector.

During the meeting, participants discussed key developments in the scientific and educational activities of UkrNS, including the signing of a memorandum of cooperation and the Society’s accession to the European Nuclear Education Network (ENEN).

The guest of the meeting, Kateryna Pilyuhina, Head of Programs and the Nuclear Safeguards and Security Division, elaborated on cooperation between universities, research institutions, regulatory bodies, industry representatives, and other stakeholders within the ENEN framework. She outlined the prospects that ENEN membership opens up for Ukrainian specialists, such as strengthened collaboration with European colleagues,



advanced training for young scientists, and participation in international training programs, internships, and other educational initiatives. Other important topics included the discussion of the consequences of recent Russian attacks on facilities of the Chernobyl NPP and the Exclusion Zone. In particular, participants addressed the incident involving a Russian UAV strike on the arch structure of the New Safe Confinement at the Chernobyl NPP in February 2025.

## ROUNDTABLE DISCUSSION ON "PROSPECTS FOR THE DEVELOPMENT OF NUCLEAR ENERGY: COMPLETION OF KHNPP UNITS 3 AND 4"



On March 11, 2025, the city of Netishyn — home to Khmelnytskyi Nuclear Power Plant — hosted a roundtable discussion titled “Prospects for Nuclear Energy Development. Completion of KhNPP Units 3 and 4: A Strategic Step Toward Energy Independence,” organized by the Ukrainian Nuclear Society. The event brought together representatives of the nuclear industry, national and local authorities, design and construction organizations, academic and educational institutions, healthcare facilities, and the media.

Volodymyr Kholosha, President of the Ukrainian Nuclear Society, opening the event, emphasized the strategic importance of completing the new units for strengthening Ukraine’s energy security and ensuring a stable electricity supply under wartime conditions and during post-war recovery.

The roundtable featured key reports:

- Volodymyr Kholosha delivered a presentation on “The Strategic Importance of Completing KhNPP Units 3/4,” emphasizing the economic benefits of launching new capacities, their significance for the stability of Ukraine’s energy system, and reducing dependence on imported energy resources.
- Hennadii Samosei, Deputy Chief Engineer for New Units at KhNPP, and Serhii Kosenko, Deputy General Director of the “Atomproektengineering” Branch, presented an overview of the specifics of the construction process, current condition of equipment and structures.
- Oleksii Potravka, Director of Technological Design at KIEP JSC, provided a detailed report on construction and technical aspects of the project, including the results of surveys of existing structures.
- Andrii Koziura, General Director of Khmelnytskyi NPP, underlined that completing Units No. 3 and No. 4 is not only a necessity but also a strategic step that will enhance Ukraine’s energy independence and become a driving force for its economic development.

In conclusion, participants of the roundtable reaffirmed the necessity of completing Khmelnytskyi NPP Units 3 and 4 as a crucial step toward the country’s energy independence and security, stressing the need for joint efforts of the state, business, and civil society to implement this vital project.



## THE UKRAINIAN NUCLEAR SOCIETY TOOK PART IN THE ROUNDTABLE “NUCLEAR ENERGY: ECOLOGY, SAFETY, AND DEVELOPMENT”

On April 24, 2025, a roundtable titled “Nuclear Energy: Ecology, Safety, and Development” was held at the Khmelnytskyi Nuclear Power Plant (NPP). The event was organized with the participation of NNEGC “Energoatom,” the Public Association “Professional Association of Environmentalists of Ukraine” (PAEW), international partners, and the Ukrainian Nuclear Society.

The roundtable brought together nuclear industry specialists and environmental experts to discuss key issues, including the impact of nuclear energy on the environment, nuclear power plant operation safety, spent nuclear fuel management, the development of new technologies, and Ukraine’s energy independence.

The event was opened by Andrii Koziura, General Director of Khmelnytskyi NPP, who emphasized that environmental safety is one of the plant’s top priorities, and no negative environmental impacts have been recorded during its operation.

In her welcoming remarks, Lyudmyla Tsyhanok, President of PAEW, noted that nuclear generation plays a key role in achieving Ukraine’s decarbonization goals.

The Ukrainian Nuclear Society actively contributed to the roundtable. Tetiana Zakrevska, Head of the separate unit of the Ukrainian Nuclear Society at the “Atomprojectengineering” branch of Energoatom and Head of the Licensing Department of the Project and Technical Management Division, delivered a presentation on the prospects for the development of nuclear energy and the introduction of innovative technologies. Her presentation highlighted the importance of modernizing the industry and implementing innovations to enhance the safety and efficiency of nuclear power units.

Participants were also introduced to a presentation from the Ukrainian Nuclear Society on the impact of nuclear sector development projects, including the completion and construction of new power units, aimed at ensuring sustainable development, strengthening Ukraine’s energy security, and enhancing economic stability. Following the discussions, participants reaffirmed the importance of continuing dialogue among experts, industry professionals, scientists, and the public to ensure the safe and environmentally responsible development of nuclear energy in Ukraine.

The Ukrainian Nuclear Society and the Professional Association of Environmentalists of Ukraine (PAEW) continue their cooperation under a previously signed agreement. This agreement focuses on combining efforts to promote the development of safe, environmentally responsible nuclear energy, enhancing environmental safety, supporting sustainable development, and advancing innovative approaches within the industry.



## PARTICIPATION IN THE HIGH SCIENTIFIC COUNCIL OF THE EUROPEAN NUCLEAR SOCIETY

A regular meeting of the High Scientific Council of the European Nuclear Society (ENS High Scientific Council) took place in the capital of Belgium in April 2025. Ukraine was represented at the event by Phylip Kuznetsov, Director of the Educational and Scientific Institute "School of Physics and Technology" of V. N. Karazin Kharkiv National University and a member of the ENS High Scientific Council.



The agenda focused on key issues related to the development of the nuclear sector:

- prospects for – nuclear medicine and the radiopharmaceutical market,
- extension of the operational lifetime of nuclear reactors,
- regulatory aspects of the deployment of Small Modular Reactors (SMRs).

During the meeting, four finalists of the ENS PhD Award competition were announced.

Special recognition was given to the work of Anton Kushtym, a researcher at the Nuclear Fuel Cycle Research and Technology Complex of the National Science Center "Kharkiv Institute of Physics and Technology." His project, "Fuel Assemblies with Rod-Type Fuel Elements Based on Uranium Dioxide for the Neutron Source Nuclear Research Facility", nominated by the Ukrainian Nuclear Society, was praised for its high originality and scientific value.

## PARTICIPATION IN THE THIRD NURECAB WORKSHOP FOR YOUNG NUCLEAR PROFESSIONALS

The workshop titled "Integration of the Young Ukrainian Nuclear Generation into European Education and Training Initiatives" was held online on February 20, 2025. It focused on raising awareness about educational and professional development opportunities in the nuclear field and promoting the integration of young professionals into European academic and research initiatives.



During the event, participants learned about the activities of the Ukrainian Nuclear Society aimed at engaging and developing the next generation of nuclear professionals. In particular, the Society presented its initiatives supporting the career growth of young specialists and researchers, as well as efforts to spark school students' interest in nuclear energy, industry, and science.

The event was organized with the financial support of the NURECAB project. NURECAB ("EU-UA Nuclear Research and Education Capacity Building", GA#101173510) is funded by the European Union under the EURATOM Work Programme 2023–2025.



WINNERS OF THE I4N EUROPE UKRAINIAN NATIONAL STAGE ANNOUNCED



On April 10, the national selection stage of the Innovation 4 Nuclear (I4N) Europe competition in Ukraine took place online. The Ukrainian selection is part of the I4N competition, which has been held for several years by the Young Generation Network of the European Nuclear Society, with the aim of encouraging young professionals in the industry to develop innovative ideas and solutions using nuclear technologies to address current societal challenges.

Teams present their innovative ideas, developments, or research involving nuclear technologies that contribute to solving current issues in the nuclear sector and advancing the UN Sustainable Development Goals. The theme of I4N 2025 is: "Nuclear Technologies — an Opportunity for Economic Development."

Three teams took part in the Ukrainian selection:

- Rivne NPP, project: "Nuclear Energy as a Driver for Hydrogen Production."
- Atomproektengineering, project: "Blockchain for Transparency and Improved Traceability of the Supply Chain for Critical Components in Nuclear Power Plant Construction Projects."
- I&C Engineer, project: "Integration of the Local Network of the Upper Block Level System into the Automated Process Control System of Power Units and Cybersecurity Requirements."

The jury of the competition included experts from leading enterprises and research institutions in the industry. Based on the evaluation results, the winner of the national selection is the Rivne NPP team: Eduard Omelchuk, Juliya Verba, Daria Papezhuk, Roman Basyuk. The winning team will represent Ukraine at the European final of the competition during the European Nuclear Young Generation Forum (ENYGF) in June 2025 in Zagreb, Croatia.

UNINTERRUPTED POWER SUPPLY FOR UKRAINIAN NUCLEAR PROFESSIONALS

With the support of the American Nuclear Society (ANS), the Ukrainian Nuclear Society has procured portable battery stations to ensure uninterrupted power supply in case of emergency outages.

The first batch of charging stations has already been delivered to:

- Kharkiv – 2 units (V. N. Karazin Kharkiv National University)
- Pivdennoukrainsk (South Ukraine NPP) – 1 unit
- Slavutych – 1 unit
- Lviv – 1 unit
- Varash (Rivne NPP) – 1 unit

We sincerely thank our American partners for their support and solidarity!



WE ARE GRATEFUL FOR YOUR SUPPORT AND SOLIDARITY!





## CAREER EVENT “ENERGY FUTURE” BROUGHT TOGETHER STUDENTS AND LEADING ENTERPRISES OF THE NUCLEAR INDUSTRY



On February 27, 2025, the Ukrainian Nuclear Society, in collaboration with Energoatom, organized the career event “Energy Future: Your Career in the Nuclear Industry” as part of the NURECAB project. The event aimed to familiarize students with employment opportunities, working conditions, and career prospects in the nuclear industry, as well as to establish dialogue between students of specialized higher education institutions and leading enterprises in the sector.

The event gathered over 130 students from top Ukrainian universities, including: Taras Shevchenko National University of Kyiv, National Technical University of Ukraine “Igor Sikorsky Kyiv Polytechnic Institute,” Odesa Polytechnic National University, Lviv Polytechnic National University, V. N. Karazin Kharkiv National University, National Technical University “Kharkiv Polytechnic Institute,” Kyiv Energy College, Vinnytsia National Technical University, and others. Additionally, students from Lutsk National Technical University, Opto-Mechanical College, Zaporizhzhia Polytechnic National University, and the National Academy of Internal Affairs of Ukraine participated in the event. The event was held in a hybrid format: over 30 students visited the Energoatom office, where they had the opportunity to interact with industry experts in person, while the rest joined via an online broadcast.

The meeting was opened by Vladyslav Yanishhevskiy, Director of Human Resources Management at Energoatom, who emphasized the importance of engaging young professionals for the further development of Ukraine’s nuclear energy sector. The welcoming speeches also included Danylo Lavrenov, Executive Secretary of the Ukrainian Nuclear Society, and Serhii Puhach, Coordinator of the EURATOM National Contact Point in Ukraine.

Participants received detailed information about the requirements for young professionals, internship opportunities, and job openings in leading nuclear industry companies. Representatives of scientific institutions shared insights on research participation and career prospects in nuclear science.

A key focus of the event was the industry’s workforce needs in light of Ukraine’s decision to complete the construction of power units No. 3 and No. 4 at the Khmelnytskyi Nuclear Power Plant. Speakers emphasized the strategic importance of these projects and the crucial role of young professionals in their implementation.



The event provided a dynamic platform for students to engage with industry professionals, ask questions about career opportunities, internships, and professional growth in nuclear energy. The event concluded with an informal networking session, where students had the chance to interact with company representatives in a relaxed atmosphere and establish valuable contacts for future collaboration.

The career event “Energy Future” reaffirmed its importance for both young professionals and industry enterprises seeking new talents for the implementation of Ukraine’s strategic energy projects.



# WEBINAR FOR TEACHERS: “OPPORTUNITIES FOR YOUTH IN THE NUCLEAR INDUSTRY”



A significant focus was given to professional education in nuclear-related fields, employment opportunities in the nuclear energy and industry sectors, and working conditions for nuclear specialists.



On February 25, 2025, a webinar titled “Opportunities for Youth in the Nuclear Industry” was held for teachers. The event was organized by the Ukrainian Nuclear Society in collaboration with JSC “NAEC Energoatom” and specialized higher education institutions in the nuclear sector. The webinar aimed to promote awareness and provide reliable information on the key aspects of nuclear industry operations and development in Ukraine and worldwide. Additionally, it sought to familiarize teachers with career opportunities available to the youth they mentor in schools, helping guide students in their professional orientation toward further education and careers in the nuclear sector.

During the webinar, a new educational guide for conducting a digital introductory lesson on nuclear energy for secondary schools, titled “Navigating the Nuclear Industry,” was presented. The concept for such educational guides originates from the American Nuclear Society, which has successfully implemented them in elementary, middle, and high schools across the U.S. to introduce students to nuclear energy fundamentals, spark interest in the field, and encourage future specialization. One of these guides, specifically designed for 6th to 8th-grade students, has been adapted by specialists from NAEC Energoatom and the Ukrainian Nuclear Society for use by Ukrainian teachers. These materials are freely available on the Ukrainian Nuclear Society’s website.

The event was part of the NURECAB project (EU-UA Nuclear Research and Education Capacity Building), which focuses on education, training, capacity development, and network creation to strengthen nuclear education and research in Ukraine and the EU.

Additionally, Inna Afanasieva, Associate Professor at the Department of Applied Physics and Plasma Physics of the V.N. Karazin Kharkiv National University and a representative of its Institute of Physics and Technology, participated in the event. She presented educational materials on plasma physics and controlled nuclear fusion from FuseNet, which have been translated into Ukrainian by specialists from the university’s Faculty of Physics and Technology. All participants of the webinar will receive electronic certificates of participation and access to the event materials.



More than 60 educators from various regions of Ukraine registered for the webinar. The speakers—Danylo Lavrenov, Executive Secretary of the Ukrainian Nuclear Society, and Roman Zibnitskyi, Head of Public Relations at Energoatom’s Strategic Communications Directorate—covered a broad range of topics. The webinar began with an overview of fundamental nuclear concepts, the current state of nuclear energy and industry, and prospects for its development in Ukraine and globally.



**FINAL EVENTS OF THE CAREER GUIDANCE PROJECT "NUCLEAR SCHOOL OF RNPP"**

For the eighth consecutive year, the “Nuclear School of Rivne NPP” has been introducing schoolchildren from the satellite town of the power plant and nearby communities to the world of nuclear energy. This joint initiative of Rivne NPP and the regional branch of the Ukrainian Nuclear Society in Rivne Oblast aims to build a future talent pool for the plant, promote knowledge about nuclear energy, and strengthen partnerships with educational institutions.

During the spring break, students and teachers from 14 educational institutions in the region visited several facilities of the plant. They explored the additional water treatment structures and the sludge storage facility of the chemical workshop, learning about the plant's water supply systems. At the Training Center, participants became acquainted with full-scale simulators, training classrooms, and the radiation safety corner. An equally engaging part of the program was a visit to the vocational school, where students had the opportunity to explore hands-on workshops, including welding, electrical installation, turning, mechanical repair, and manual woodworking. The program concluded with a career orientation lecture at the “Polissia” Information Center, delivered by representatives of the Human Resources Department.



**KHMELNYTSKYI NPP AND THE UKRAINIAN NUCLEAR SOCIETY INTRODUCE HIGH SCHOOL STUDENTS TO CAREERS IN NUCLEAR ENERGY**

On March 13, a career guidance event took place at the Netishyn Academic Lyceum, where specialists from Khmelnytskyi NPP and members of the Ukrainian Nuclear Society introduced 11th-grade students to career opportunities in the nuclear energy sector. The students learned about electricity generation, the main departments of a nuclear power plant, and the key equipment operated by plant personnel. In addition to the informational part, participants took part in a fun quiz,

with the most active students receiving incentive prizes from Khmelnytskyi NPP and the Ukrainian Nuclear Society. Attendees also had the opportunity to explore the Career Path in the Nuclear Energy Sector guidebook, developed jointly by Energoatom and the Ukrainian Nuclear Society for prospective university applicants. Khmelnytskyi NPP and the Ukrainian Nuclear Society continue to support young people who choose a future in the nuclear industry.



### LET'S "BUILD" A NUCLEAR POWER PLANT UNIT WITH OUR OWN HANDS!

Want to build your own nuclear power plant unit? It's not only fun — it's also a great way to introduce both kids and adults to how a nuclear power plant works!

The Ukrainian Nuclear Society has developed a cardboard model of a nuclear power unit that you can easily assemble at home.

All you need is a printed template, scissors, glue, and a little bit of inspiration :)

You can download the template here:

<https://bit.ly/421bSrM>

Watch the video tutorial on how to assemble the model at the link below:

YOUTUBE.COM

