

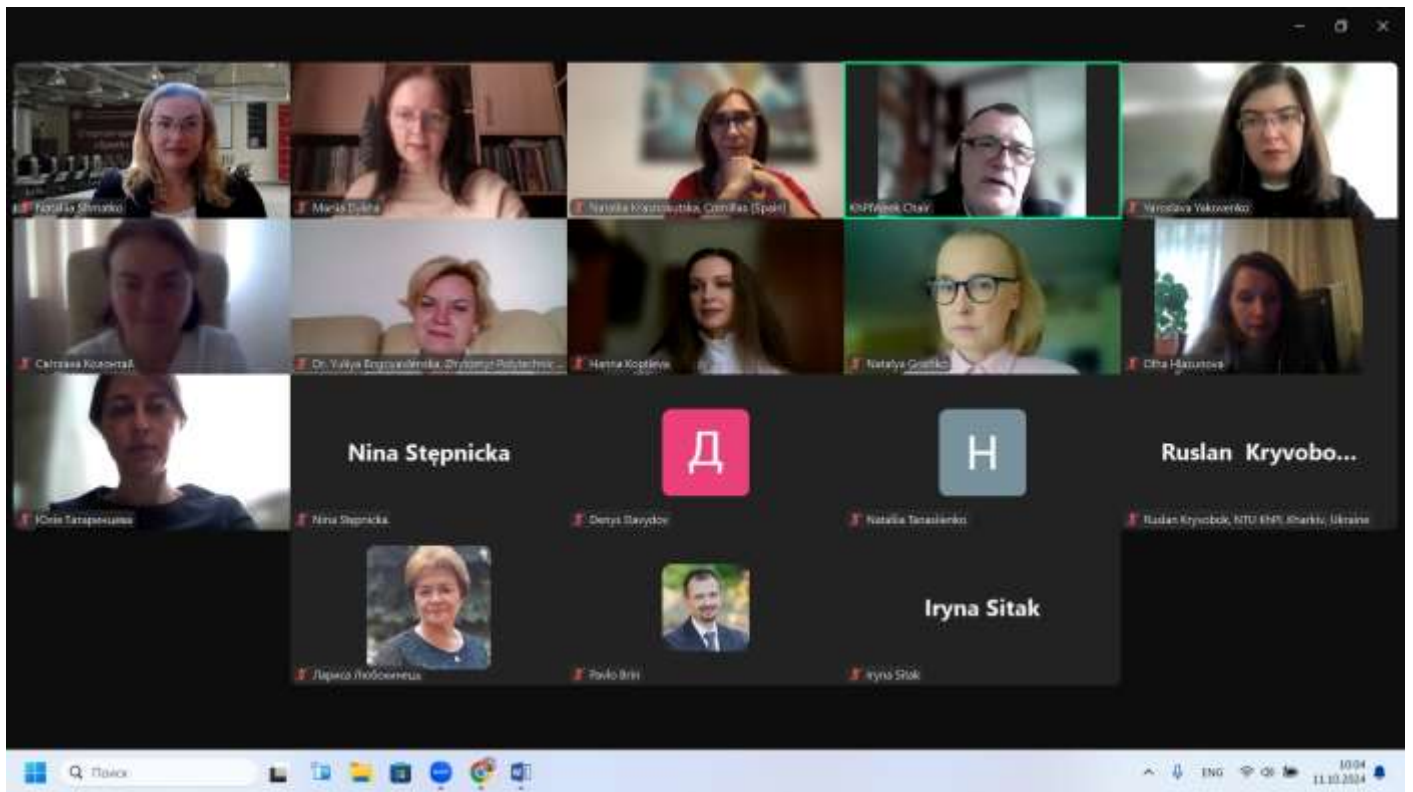
11.10.2024 р. НПП кафедри представили доповідь на Міжнародній конференції
2024 IEEE 5th KhPI Week on Advanced Technology (KhPIWeek)
 в рамках роботи секції 7 «ТЕХНОЛОГІЇ ТА ІНЖЕНЕРНИЙ МЕНЕДЖМЕНТ»



SCHEDULE OF CONFERENCE

Time	07.10.2024 Monday	08.10.2024 Tuesday		09.10.2024 Wednesday		10.10.2024 Thursday		11.10.2024 Friday	
9:00									
10:00		Power & Energy Systems	Industrial Electronics	Power & Energy Systems	Engineering in Medicine and Biology	Computational Intelligence	Dielectrics and Electrical Insulation	Technology and Engineering Management	Dielectrics and Electrical Insulation
11:00									
12:00	Opening Ceremony								
13:00	Lunch	Lunch	Lunch	Lunch	Lunch	Lunch	Lunch	Lunch	Lunch
14:00								Reserve Section	
15:00	Power Electronics	Industrial Electronics	Power & Energy Systems	Engineering in Medicine and Biology	Computational Intelligence	Micro- & Nano-technology	Computational Intelligence	Micro- & Nano-technology	
16:00									Closing Ceremony
17:00									



Дослідження на тему «**Architectonics of the Mechanism for Ensuring the Economic Security of Energy Market Entities**» авторів (Dykha Mariia, Dykha Valerii, Liubokhynets Larysa, Tanasiienko Nataliia, Bushovska Lesia, Poplavskiy Yevhenii) пройшло усі кроки попередніх розглядів, рецензування і рекомендовано до друку.



Microsoft Teams meeting interface showing a presentation slide. The slide title is "Prime Minister of Ukraine D. Shmyhal noted". The text on the slide reads: "42 power units were destroyed, 27% of large thermal power plants remain in working condition, 73% are destroyed or damaged, 20 hydropower units are also out of operation due to missile and drone attacks, Ukraine has lost 9.2 GW of electricity". Below the text are two images: a power plant with smoke rising from chimneys and a large fire at an industrial facility.

Prime Minister of Ukraine D. Shmyhal noted


42 power units were destroyed,
27% of large thermal power plants remain in working condition,
73% are destroyed or damaged
20 hydropower units are also out of operation
due to missile and drone attacks, Ukraine has lost 9.2 GW of electricity



Microsoft Teams meeting interface showing a presentation slide. The slide title is "We understand the economic security of energy entities". The text on the slide reads: "as their condition, which is characterized by the ability of entities to effectively implement their functions, adequately respond to threats (including taking into account the system of preventive measures to prevent threats), as well as comply with environmental requirements and guidelines for achieving climate neutrality". Below the text is an image of a power plant with a red and white triangular warning sign in the foreground.

We understand the economic security of energy entities

as their condition, which is characterized by the ability of entities to effectively implement their functions, adequately respond to threats (including taking into account the system of preventive measures to prevent threats), as well as comply with environmental requirements and guidelines for achieving climate neutrality



Microsoft PowerPoint presentation interface showing a video conference with participants: NATALIA SHYRIALOVA, Maria Dykha, Natalia Tarasienko, Yana Vukobrenko, Natalia Shyrialeva, and Natalia Kravchuk.

The main slide displays a graph titled "Fig. 1. Intensity of threats, developed by the authors".

Fig. 1. Intensity of threats, developed by the authors

Microsoft PowerPoint presentation interface showing the same video conference participants as above.

The main slide displays a matrix titled "Fig. 2. The impact of 'threat strength' and 'threat intensity' on the level of danger, developed by the authors".

	Level of danger		
	Low	Moderate	High
High	Low danger	High danger	Very high danger
Moderate	Low danger	Moderate danger	High danger
Low	Low danger	Moderate danger	Moderate danger
	Power of threat		
	Low	Moderate	High

Fig. 2. The impact of "threat strength" and "threat intensity" on the level of danger, developed by the authors

The main goals of the functioning of the economic security mechanism:

- flexibility of functioning of the system of economic security of energy market subjects;
- generation of a set of alternative management solutions;
- selection of optimal solutions from the standpoint of the most adequate response of the economic security system to threats and challenges;
- the development and implementation of the necessary measures, the use of effective means/tools to promptly implement the necessary changes in the functioning of the economic security system of energy market entities;
- rational use of resources, including their effective distribution between areas of use;
- manageability of the processes of ensuring economic security; improving management processes by improving the quality of interaction of responsible persons involved in the organization of such processes;
- controllability of the processes of ensuring economic security; increasing the level of control by evaluating the results of the subjects that carry out control and the effectiveness of the processes of ensuring economic security.

Meeting participants: Nina Stepnicka, Denys Davydenko, Rado Eris, Iryna Sitak, Yveta Dykha, Galina Koshchak.

Meeting participants:

- Kostiantyn Chur
- Maria Dykha
- Tatiana Wozniakowska (Gorlat: "Stam")
- Irina Tarapchuk
- Oleksandra Koshchak
- Hanna Koptieva
- Larisa Lybovchenko
- Natalia Tanasienko
- Natalya Grahko
- Narodava Yakovenko
- Natalia Shnyak
- Nina Stepnicka
- Denys Davydenko
- Rado Eris
- Iryna Sitak
- Natalia Shyriaieva
- Yveta Dykha
- Zakovorotniy O...
- Zakovorotniy Oleksandr

Marka Dybka
DNPravik Chur
Natalia Krasnikova
KONFERENCE
Nina Stepnicka
Natalia Dybanska

The influence of renewable energy usage and other CSR initiatives on the main indicators of competitiveness

Direct influence

Indirect influence through other factors

Employees Turnover Rate

Using the CSR approach

Profit Margin

Return on Investment

Growth Rate

11:09 11.10.2024

Marka Dybka
DNPravik Chur
Natalia Krasnikova
Nina Stepnicka
Denis Davydov
Natalia Dybanska

Technologies in Chemical Plants

<p>Data Science</p> <p>Techniques for creating digital twins, modeling, and data analysis.</p>	<p>ERP Systems</p> <p>SAP ERP for production process management and analytics.</p>	<p>Advanced Controls</p> <p>APC and robotics for improved quality, efficiency, and safety.</p>	<p>Drones</p> <p>UAVs for monitoring, inspection, and streamlining operations.</p>
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11:09 11.10.2024

The image shows a Zoom meeting window with a grid of participants. The participants are:

- Natalia Shymaliuk
- Larisa Dykha
- KUWEEK Chat
- Fyna Nizolova
- Natalia Chernikova, Dmytro Kozlov
- Hanna Kozlova
- Caroline Kuznetsov
- Nina Stepnicka (highlighted with a large white text overlay)
- Yaroslava Yakovlenko
- Dmytro Olyshchuk
- Revo Sht
- Roman Zakhov

The Windows taskbar at the bottom shows the Start button, a search bar with the text "Поиск", and several application icons. The system tray on the right displays the date and time: 12:17, 11.10.2024.