

Kyiv National Economic University named after Vadym Hetman (Ukraine)
Academy of Economic Studies of Moldova (Moldova)
Bohdan Khmelnytsky National University of Cherkasy (Ukraine)
Institute of Control Systems (Azerbaijan)
Kryvyi Rih State Pedagogical University (Ukraine)
Odessa National Economic University (Ukraine)
Politechnika Gdańska (Poland)
State university of economics and technology (Ukraine)
State university of trade and economics (Ukraine)

11th International
conference



Monitoring,
Modeling and
Management of
Emergent
Economy

CONFERENCE PROGRAM

October 10-12, 2024
Kyiv, Ukraine

GREETING WORDS

October 10

10:00 – 10.30

Join Zoom Meeting:

<https://us02web.zoom.us/j/84710121523?pwd=jmzZQt8rO03k1rJFDl3ibF1BTm7uvt.1>

Meeting ID: 847 1012 1523

Passcode: 337936

Prof. **Dmytro Lukianenko**, Doctor of Economics (Kyiv National Economic University named after Vadym Hetman)

Prof. **Anatoly Kovalev**, Doctor of Economics (Odessa National Economic University)

Prof. **Larysa Antoniuk**, Doctor of Economics (Kyiv National Economic University named after Vadym Hetman)

Prof. **Gorkhmaz Imanov**, Doctor of Economics, Academician of NAS of Azerbaijan (Institute of Control Systems of the Ministry of Science and Education of the Republic of Azerbaijan)

Prof. **Volodymyr Soloviev**, Doctor of Physics and Mathematics (Kryvyi Rih State Pedagogical University)

The conference will be broadcast online via the ZOOM platform.

The first section and closing of conference will be streamed via the same link that you use to access the opening of the conference.

To participate in the second or third section, please use the links below.

All presentations will be recorded and links to the YouTube videos will be posted on the conference website <https://m3e2.kneu.ua/>.

Authors are provided with a presentation of the results:

- presentation up to 15 minutes;
- discussion up to 5 minutes.

TRACK 1

10:30 – 15.30

(Coffee break 12:30 - 13:15)

Join Zoom Meeting:

<https://us02web.zoom.us/j/84710121523?pwd=jmzZQt8rO03k1rJFDI3ibF1BTm7uvt.1>

Meeting ID: 847 1012 1523

Passcode: 337936

Moderators: Andriy Matviychuk, Volodymyr Soloviev

№	Authors (Speaker)	Paper Title
1.	Larysa Antoniuk, Larysa Ligonenko, <u>Olha Denisova</u>	The Twinning Impact of the Digital and Green Transition on National Competitiveness
2.	<u>Andrii Bielinskyi</u> , Vladimir Soloviev, Tetiana Kmytiuk, Arnold Kiv, Halyna Velykoivanenko, Andrii Tuzhykov	Complex Systems Theory and Deep Learning: A Comprehensive Approach to Time Series Forecasting
3.	Iryna Kalenyuk, <u>Liudmyla Tsymbal</u> , Nataliia Datsenko, Iryna Uninets, Valentina Djakona	Methodological Approaches to the Assessment of Smart Economy
4.	<u>Samofalova Mariia</u>	Cluster Modeling of Enterprises in the Mechanical Engineering Industry of Ukraine
5.	<u>Vasyl Derbentsev</u> , Maxim Krasnyuk, Iryna Hrashchenko, Svitlana Goncharenko and Svitlana Krasniuk	Innovative Modes of Data Mining for Sustainable Management of Food Industry Enterprises
6.	<u>Mariia Dykha</u> , Valerii Dykha, Nadiia Hrypynska, Grzegorz Konieczny and Paulina Kolisnichenko	Optimization of Decision-Making in the System of Organizing Productive Labor Activities
7.	<u>Inna Strelchenko</u> , Inna Arakelova	Conceptual Principles of Assessing the Impact of Forced Population Migration on the Socio-Demographic Component of the Ukraine Regions Security
8.	Volodymyr Skitsko, <u>Olha Osypova</u>	Interactive Visualization of Missile and Drone Attacks in Ukraine
9.	Dmytro Lukianenko, <u>Andriy Matviychuk</u> , Liubov Lukianenko, Iryna Dvornyk	Modeling the scientific and educational potential of countries
10.	Yurii Koliada, <u>Kateryna Semashko</u>	Adaptive Search for Extreme Points in Mathematical Models of Machine Learning

TRACK 2

10:30 – 15.30

(Coffee break 12:30 - 13:15)

Join Zoom Meeting:

<https://us02web.zoom.us/j/83058380437?pwd=fqroSQTUsKhealomf48M4jkFJdIEsf.1>

Meeting ID: 830 5838 0437

Passcode: 100893

Moderators: Lidiya Guryanova, Oleksii Hostryk, Nataliia Maksyshko

No	Authors (Speaker)	Paper Title
1.	<u>Lidiya Guryanova</u> , Vladyslav Polianskyi, Viktoria Petrenko, Oleksandr Kaganovskyi, Volodymyr Kotkovskyi	Application of Machine Learning Methods for Assessing the Financial Security Level of Countries under the Shocks Impact
2.	<u>Serhii Kurkula</u> , Nataliia Maksyshko, Dmytro Ocheretin, Serhii Cheverda	Comparative Analysis of the Effectiveness of Methods for Forecasting the Dynamics of Sales Volumes in the World Electric Vehicle Market
3.	<u>Sergii Poznyak</u> , Yurii Kolyada	Adaptive Strategy of Computer Modeling of Economic Evolution
4.	Anatolii Kolot, <u>Andriy Matviychuk</u> , Kateryna Ivashchenko, Gorkhmaz Imanov	Forecasting Unemployment and Employment in Ukraine in the Context of the Global Economy
5.	Vladyslav Kabachii, <u>Yaroslav Kulyk</u> , Bogdan Knysh, Volodymyr Papinov	Wheat Classification with CapsNet-CNN model
6.	<u>Tetiana Bilorus</u> , Lesia Olikh, Svitlana Firsova	The Company's Employer Brand Vulnerability Level Assessment
7.	<u>Andrii Bielinskyi</u> , Vladimir Soloviev, Michael Radin	Analyzing Stock Market Dynamics via Multivariate Entropy Analysis
8.	Vladyslav Fedorchenko, <u>Olha Ivakhnenko</u> , Svitlana Prokopovych	Monitoring the Distribution of State Budget Funds Between Private and Public Health Service Providers in Ukraine
9.	Vladyslav Korolkov, Ihor Korolkov, Nadiia Shmygol, Eduard Telcharov, Anatolii Antoniuk	Modeling of Demographic Changes in Ukraine Based on Information before the War and Possible Directions of their Deterioration
10.	Hanna Danylchuk, Liubov Kibalnyk, Oksana Kovtun, <u>Maryna Leshchenko</u> , Volodymyr Kibalnyk and Bartosz Stachowiak	Analysis and Modeling of Macroeconomic Indicators of National Economies in the Context of the Russian-Ukrainian War

TRACK 3

10:30 – 15.30

(Coffee break 12:30 - 13:15)

Join Zoom Meeting:

<https://us02web.zoom.us/j/87288972261?pwd=Hnt0Iy93BZphd7i4aQe892g6M1rqKI.1>

Meeting ID: 872 8897 2261

Passcode: 166089

Moderators: Tetiana Kmytiuk, Andrii Bielinskyi

No	Authors (Speaker)	Paper Title
1.	<u>Andrii Kaminskyi</u> , Denys Butylo, Larysa Zomchak, Maryna Nehrey	Optimising Risk Management in Hybrid Portfolios: Integrating Traditional and Alternative Assets, Including Cryptocurrencies
2.	<u>Soufiene Jaffali</u> , Nesrine Khelifi	Bayesian Deep Learning for Natural Language Processing: A survey
3.	<u>Vasyl Derbentsev</u> , Vitalii Bezkorovainyi, Tetiana Kmytiuk, Bohdan Tishkov, Stanislav Ustenko, Andrii Hrabariev	Identification Fake News in Social Media using Deep Learning Approaches and Large Language Models
4.	Victoria Solovieva, Serhii Hushko, Andrii Shaikan, <u>Andrii Bielinskyi</u> , Olgierd Jeż	Multiscale Entropy Indicators in Business Performance
5.	<u>Natalia Chernova</u> , Valeriia Kochorba, Olena Serhienko, Olha Haponenko, Roman Mashchenko	Forming Optimal Investment Portfolio Structure: SOM Approach
6.	<u>Igor Kalinichenko</u> , Vitaliy Kobets, Oleksii Ivanov	Analysis of Investor Sentiment for Forecasting Oil Index Dynamics in the Stock Market
7.	Dmytro Dudko, Serhii Smerichevskyi, <u>Alla Ivashchenko</u>	The Impact of the NBU Monetary Policy on the Macroeconomic Indicators in Periods of Structural Shocks: Case of Ukraine
8.	Larysa Antoniuk, <u>Yehor Davydenko</u>	Achievement of the Sustainable Competitiveness through Financial Control and Digitalization
9.	Oleg Pursky, <u>Tetyana Filimonova</u> , Anna Selivanova, Hanna Samoilenko, Januzh Sobon	Comparative analysis of the effectiveness of forecasting sales regression models based on the Kaggle E-commerce Dataset
10.	Tatyana Oklander, <u>Anastasiia Pendas</u> , Mykhailo Oklander, Oleksii Hostryk, Olha Kambur	Current Development of the Suburbanization Process in the Odesa Urban Agglomeration
11.	Tetyana Filimonova, Oleg Pursky, <u>Anna Selivanova</u> , Hanna Samoilenko, Andrey Nechepourenko, Alexander Vishnevsky	Recommendation System for Selecting Books According to Readers' Priorities Using the SURPRISE Library
12.	<u>Vadim Romanuke</u> , Svitlana Meronova, Hanna Yehoshyna	Symmetric and Most Favorable Strategy in the Four-Agent Dilemma Game of Compliance and Defiance
13.	<u>Roman Reznikov</u> , Svitlana Turlakova	Anticipating Tomorrow's Risks: Classical AI vs Large Language Models in Corporate Foresight