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Khmelnytskyi National University

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**STRATEGIES, MODELS AND TECHNOLOGIES OF ECONOMIC
SYSTEMS MANAGEMENT**

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<i>Olga Garafonova</i>	professor, Higher State Educational Institution “Kyiv National Economic University named after Vadym Hetman”, Ukraine
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<i>Viktors Gopejenko</i>	professor, ISMA University, Latvia
<i>Vladimir Soloviev</i>	professor, Kryvyi Rih State Pedagogical University, Ukraine
<i>Zofia Wyszowska</i>	professor, UTP University of Science and Technology in Bydgoszcz, Poland

TRACK 1

- *Digital Technologies in Economic Systems Management*
- *Modeling of decision making under uncertainty and risk conditions*
- *Modern problems of training specialists and adaptation of educational activities to the EHEA requirements*

Co-Heads: Pavlo Hryhoruk, Petro Hrytsiuk

Secretary: Olha Dupliak

1.	<i>Nataliia Kraus, Kateryna Kraus and Oleksandr Manzhuira</i>	Newest digital technology in management of national economic system
2.	<i>Yuliya Peretiatko, Tetiana Klymenko and Alexander Sidorenko</i>	Online payment gateways and the expediency of their use in small to medium-sized Internet shops in Ukraine
3.	<i>Olena Parubets, Olena Panchenko, Olena Bazilinska and Dmytro Sugonyako</i>	Research on the use of the artificial intelligence by management of the economic system of the state
4.	<i>Asaul Anatoliy, Liudmyla Yemchuk, Larysa Skorobohata and Lesia Bilorusets</i>	Features of the Cluster Structures Development in the Economy Digitalization Conditions
5.	<i>Mykhaylo Voynarenko, Viacheslav Dzhedzhula and Iryna Yepifanova</i>	Modeling the efficiency of implementation of energy saving policy at enterprises under uncertainty conditions
6.	<i>Oksana Zamazii, Valentyna Stadnyk, Galyna Sokoliuk and Natalja Prylepa</i>	Optimization management model of the industrial enterprise innovation potential development on the basis of a value-oriented approach
7.	<i>Vasyl Pryimak, Natalia Mishchuk, Stepan Trokhaniak and Volodymyr Vovk</i>	Fuzzy assessment of educational potential in the regions of Ukraine
8.	<i>Uliana Vytvytska</i>	A Three-Phase Methodical Approach to Assessing the Effectiveness of Investment Projects In Oil and Gas Production
9.	<i>Andriy Oliinyk, Tetyana Donchenko, Katerina Larionova and Hennadii Kapinos</i>	Modeling credit risk in banking

10.	<i>Larysa Lazebnyk, Nataliya Nykytchenko, Viktoriya Hurochkina and Liudmyla Kravchenko</i>	Modeling of Functional Dependence Emergent Qualities of Economic Systems
11.	<i>Vyacheslav Glushchevsky, Viktoriia Khoroshun, Lev Feofanov and Kateryna Steshenko</i>	Marketing decision making in the conditions of information uncertainty and business risks on the basis of the stratification metamodeling toolkit
12.	<i>Andrii Kaminskyi and Maryna Nehrey</i>	Investment risk measurement of agricultural ETF
13.	<i>Petro Hrytsiuk, Tetiana Babych and Larysa Bachyshyna</i>	Cryptocurrency portfolio optimization using Value-at-Risk measure
14.	<i>Lidiia Karpenko, Pavlo Voronzhak, Vasyl Zalizko and Pavlo Kukhta</i>	Innovative Dominants of Strategic Control and Continuous Improvement: the Quality and Quantity Imperative
15.	<i>Lesia Bushovska, Larysa Liubokhynets, Nataliia Tanasiienko and Olga Poplavska</i>	An optimization multicriteria model of managerial decision making about the efficiency of choice of the enterprises' strategic assets
16.	<i>Tetiana Zatonatska, Olena Liubkina, Dmytro Zatonatskyi and Maksym Bilychenko</i>	Modeling of Risks and Threats in the Management of Personnel Security of the Enterprise
17.	<i>Iryna Kinash, Uliana Andrusiv, Liudmyla Arkhypova and Iryna Popadynets</i>	Education for sustainable development as a factor in the formation of environmental competencies of future specialists
18.	<i>Pavlo Hryhoruk, Svitlana Grygoruk and Mariusz Mazurkiewicz</i>	Model for self-assessment of the Internal Quality Assurance System in ESG requirements context
19.	<i>Olha Kibik, Liudmyla Nikolaieva, Iuliia Khaiminova and Vitaliy Bereza</i>	The key factors in ensuring the quality of maritime education in Ukraine
20.	<i>Oksana Beryslavska, Oleg Gushchyn, Victor Dobrovolsky and Volodymir Shulgin</i>	Civil-military cooperation professionals training during military education reformation

TRACK 2

- *Econometric modeling and forecasting of socio-economic processes*
- *Mathematical methods, models and information technologies to study economic systems*

Co-Chairs: Kateryna Gorbatiuk, Nataliia Maksyshko

Secretary: Olena Ovchynnikova

1.	<i>Oleksandr Chernyak, Yevgen Chernyak and Yurii Horobets</i>	The influence of remittances on macroeconomical figures in Ukraine
2.	<i>Tea Munjishvili and Giorgi Gaganidze</i>	Development of the specific gravitational model describing foreign trade between two countries with simulation method
3.	<i>Olena Martyniuk, Olena Goncharenko and Olga Vytvytska</i>	Modeling of Enterprise Development on the Basis of Approximation of Methods of Innovation Dynamics
4.	<i>Oleksandr Baranovskyi, Tetiana Hudz and Nataliia Mirko</i>	Analysis and Forecasting of Ukraine Economic Development Cycle
5.	<i>Zoryna Yurynets, Oksana Petrukh, Nataliia Danylevych and Ivanna Myshchshyn</i>	Modeling the Impact of Social and Economic Factors on Innovative Development of Healthcare in the Conditions of Sustainable Development of Ukraine
6.	<i>Ryszard Pukala, Raisa Kvasnytska, Nataliya Vnukova and Svitlana Achkasova</i>	The Scale Measurement of the Main Indicators of Capitalization of the Insurance Market (on the Example of Ukraine)
7.	<i>Merzhynskyyi Yevhenii, Melikhova Tetiana and Makarenko Andrii</i>	Improvement of a conceptual model forecasting the level of economic security of industrial enterprise
8.	<i>Olha Zakharova, Olga Bezzubchenko and Khrystyna Mityushkina</i>	Innovative Component of Countries' Competitiveness Growth
9.	<i>Mykhaylo Voynarenko, Zakharii Varnalii, Viktoriya Hurochkina and Olena Menchynska</i>	Estimation of innovative business processes of the enterprises in conditions Emergence economics
10.	<i>Vita Los, Dmytro Ocheretin, Hanna Kucherova and Olha Biltska</i>	Neural network technology forecasting the country's business climate
11.	<i>Olena Ovchynnikova, Tetiana Zavorodnia and Maria Ignatyshyn</i>	Modeling of investment processes by methods of regression analysis
12.	<i>Liliana Horal, Sofiia Kafka, Larisa Galyuk and Yuriy Chuchuk</i>	Forecasting further costs of fixed assets in the gas transportation system for management purposes

13.	<i>Oleg Pursky, Oleksander Kharchenko, Olena Fomina and Daria Holovina</i>	Model for Consumers Priorities Detection in E-trade Based on Classifying a Client's Personal and Consumer Profile
14.	<i>Bohdan Kyshakevych, Anatolij Prykarpatsky and Dmytro Mazharov</i>	Granger causality analysis of profitability and efficiency in ukrainian banking sector
15.	<i>Hanna Danylchuk, Liubov Kibalnyk, Tetiana Burlaienko and Oksana Dubinina</i>	Modelling of trade relations between EU countries by the method of minimum spanning trees
16.	<i>Iryna Kapustyan, Zoia Sokolovska and Oksana Klepikova</i>	Statement of simulation experiments on the models of formation the advertising strategies of pharmaceutical enterprises
17.	<i>Vasyl Porokhnya and Oleksandr Ostapenko</i>	Simulation modeling of the relative influence of the benefits of defense capability strategies on the security of states
18.	<i>Kateryna Gorbatiuk, Olha Mantalyuk, Oksana Proskurovych and Oleksandr Valkov</i>	Application of fuzzy clustering to shaping regional development strategies in Ukraine
19.	<i>Nataliia Maksyshko and Oksana Vasylieva</i>	Investigation of the markets dynamics type for a comparative analysis of the investment instruments attractiveness
20.	<i>Oksana Bashutska, Lesia Buiak, Mykola Shynkaryk and Oksana Bodnar</i>	Modeling the impact of social transfers on the inequality of income distribution in society
21.	<i>Maryna Iurchenko, Lyudmyla Remnova and Olena Gonta</i>	Analysis of the intensity of trading on the Ukrainian stock market
22.	<i>Iryna Perevozova, Nadiia Daliak, Oksana Lisova and Dmitriy Naumov</i>	Application of the Harrington function to assess the performance of oil and gas companies
23.	<i>Valery Heyets, Mykhaylo Zvieriakov and Anatolii Kholodenko</i>	Equilibriums in logistic chain with various optimization criteria of participants
24.	<i>Nila Khrushch, Pavlo Hryhoruk, Liudmyla Prystupa and Liudmyla Vahanova</i>	Assessing Bank Financial Security Level Using the Comprehensive Index Technology
25.	<i>Yurii Chebukin, Halyna Raiko, Viktor Kozel and Yevhen Danylets</i>	A Study of a Territorial System Functioning Framework as a Multilevel Complex Structure and the Competitive-Optimal Forecasting of some of its Elements Taking Inconsistency and Uncertainty into Account
26.	<i>Andrii Mazarchuk, Constantin Belovsky and Tetiana Zavgorodnia</i>	Information system "Electronic University": the experience of Khmelnytskyi National University

TRACK 3

- *New trends of economic systems management in the conditions of integration strategies implementation*

Head: Nila Khrushch, Olga Garafonova

Secretary: Liudmyla Prystupa

1.	<i>Iuliia Samoilyk, Mykola Zos-Kior, Valerii Illin and Olena Illina</i>	The globalization trends of the agrarian sector development
2.	<i>Svetlana Kovalchuk, Alona Tanasiichuk, Svetlana Sirenko and Yevhena Zaburmekha</i>	Marketing support of transformational economic processes
3.	<i>Mykhailo Kuzheliev, Tetiana Posnova, Alina Nechyporenko and Olena Sokyрко</i>	Theoretical aspects of investing in human capital in the conditions of formation of the creative economy
4.	<i>Svitlana Yehorycheva, Mykola Lakhyzha and Nataliia Stetsenko</i>	Public Management of Public Investment Projects in Ukraine under Conditions of European Integration
5.	<i>Iryna Forkun, Iryna Kravets, Olga Harvat and Tetyana Gordeeva</i>	Social security system: financial aspect of functioning
6.	<i>Hanna Starostenko, Iryna Forkun, Tetyana Gordeeva and Jan Mrozowski</i>	Modeling and level estimation of efficiency of fiscal decentralization in Ukraine
7.	<i>Larisa Marmul, Valentina Aranchiy, Maryna Navalna and Svitlana Kucherenko</i>	Assessment of Problems and Prospects of Increasing the Level and Efficiency of Social Responsibility of Agricultural Enterprises
8.	<i>Valentyna Stadnyk, Pavlo Izhevskiy, Nila Khrushch and Tetjana Tomalja</i>	Investment priorities of the national economy sectors development
9.	<i>Svitlana Luchyk, Yulia Manachynska, Volodymyr Yevdoshchak and Marharyta Luchyk</i>	6D-model of business valuation management: actuarial aspect
10.	<i>Viktoriya Marhasova, Nataliia Tkalenko, Olga Garafonova and Oleksandra Sakun</i>	Investment resource of structural modernization of economy

11.	<i>Oksana Bondar-Podhurska, Alla Glebova and Olha Yudicheva</i>	Quality format of innovational model for development economy in ukraine: standardization and certification
12.	<i>Valentyna Tropina and Tetiana Rybakova</i>	Financial Mechanisms of Foreign Economic Activity Regulation in Top Trading Countries
13.	<i>Liudmyla Prystupa, Viktor Koval, Iryna Kvach and Andrei Hrymalyuk</i>	Transformation of cycles of state regulation in international trade
14.	<i>Olena Kozyrieva, Olga Garafonova, Olehandr Sumets and Angela Olkhovska</i>	Methodical approach to determining the points of economic growth in the center and peripheral rates in ukraine
15.	<i>Yevheniia Sribna, Svetlana Minakova, Olena Franchuk and Liudmyla Antonova</i>	Logistic schemes in the development of integration processes of the formation of the global economy
16.	<i>Raisa Kvasnytska, Lesia Matviichuk, Inna Dotsenko and Yuliia Kovalenko</i>	Indicative express-estimation of financial security of banking activity
17.	<i>Iryna Hrynychshyn, Olena Panukhnyk, Mariana Bil, Nazariy Popadynets, Khrystyna Patytska and Iryna Leshchuh</i>	Scientific-methodical foundations of estimation of territorial communities' endogenous capacity in ukraine in conditions of decentralization
18.	<i>Sviatoslav Kis, Galyna Malynovska, Viktor Petrenko and Oleh Yatsiuk</i>	Matrix of personality intelligent characteristics as an instrument for its development management
19.	<i>Yuliya Shutyak and Valentyna Lukianova</i>	Economic Security of the Enterprise: Any Future for Research?
20.	<i>Halyna Ivanchenko, Nataliia Mitsenko, Ihor Mishchuk and Olexandra Shaleva</i>	Creation of local integrated production-trading systems: actuality, determinants, conformity of conditions
21.	<i>Viktor Nyzhnyk, Yevhenii Rudnichenko, Lyudmyla Bohatchyk and Liudmyla Kravchenko</i>	Mechanism of Management of Foreign Economic Activity of Industrial Enterprises
22.	<i>Illia Morhachov, Iryna Buzko, Ievgen Ovcharenko and Natalia Tkachenko</i>	Communication of scientific and technological systems with regional innovative processes

23.	<i>Mykola Butko, Svitlana Povna, Olha Popelo and Galyna Samiilenko</i>	European Experience of Clustering and Its Adaptation Towards Acceleration of Innovative Development of the Economy of Ukraine
24.	<i>Tadeusz Trocikowski, Larysa Dzhulii, Natalya Belyakova and Volodymyr Chenash</i>	Innovation-Investment Activity in the Achievement of Enterprise Commercial and Innovative Success
25.	<i>Oksana Mykoliuk, Valentyna Bobrovnyk and Oleksiy Svistunov</i>	Forming the energy security strategy of modern industrial enterprises
26.	<i>Andriy Grytsenko and Iryna Yanenkova</i>	Transformation of Economic Systems Management under the conditions of digital technologies implementation

TRACK 4

- *Formation processes of strategy and tactics for financial management of business entities*
- *Strategic dominants for the global and national financial markets development*
- *The Global Challenges for Development of Economy in CEE Countries*

Co-Chairs: Raisa Kvasnytska, Dmytro Zherlitsyn

Secretary: Tetyana Gordeeva

1.	<i>Nelia Volkova, Valeriia Volkova, Liana Ptashchenko and Alina Glushko</i>	Strategic ways of minimizing banks' bad loan debts
2.	<i>Tetyana Calinescu, Ganna Likhonosova and Olena Zelenko</i>	Creativity of international development strategies and audit of entities financial management
3.	<i>Liliana Horal, Vira Shyiko and Oleg Yaroshenko</i>	Modeling Breakeven Zone Using the Integral Methods
4.	<i>Dmytro Zherlitsyn and Volodymyr Mandra</i>	Efficiency of the Sea Commercial Port Information System
5.	<i>Dmytro Zherlitsyn, Stanislav Levytskyi, Denys Mykhailyk and Victoriia Ogloblina</i>	Assessment of Financial Potential as a Determinant of Enterprise Development
6.	<i>Tetiana Gogol, Valentin Nekhai and Vadym Kolotok</i>	Strategic and tactical planning in management of financial and economic security of enterprises: financial component
7.	<i>Tetiana Savchuk, Inna Negrych, Iryna Medvid and Kateryna Holubchak</i>	Research on economic content of provisions of future costs and payments and their impact on financial position and financial results of the enterprise activity
8.	<i>Lidiia Karpenko, Pavlo Voronzhak, Oksana Zhylinska and Pavlo Pashko</i>	Innovative Trends in the Process Modelling of International Strategies: Systematic of Fundamental Factor Models
9.	<i>Oksana Savko, Ivanna Melnychuk, Vitalii Sharko and Iryna Bodnaruk</i>	The use of data envelopment analysis to select financial strategies for industrial enterprises

10.	<i>Mariia Bondarchuk, Olga Gonchar and Khrystyna. Dzhuryk</i>	Theoretical and methodical approaches to the estimation of the income of the united territorial communities
11.	<i>Pavlo Ilchuk and Olha Kots</i>	Refinancing Operations: Evolution of the Role and Identification of the Influence on the Ukrainian Banking System Liquidity
12.	<i>Olena Bulatova, Tetiana Shabelnyk, Tetyana Marena and Nataliia Reznikova</i>	Influence of regional financial market models on the structure of global financial assets
13.	<i>Olga Gonchar, Alla Cherep and Alexander Cherep</i>	Substantiation of the model of innovative development of the enterprise
14.	<i>Mykhailo Vedernikov, Oksana Chernushkina, Lesia Volianska-Savchuk and Maria Zelena</i>	Modern Aspects of Industrial Enterprises' Production Efficiency Management
15.	<i>Mykhailo Vedernikov, Natalia Bazaliyska, Lesia Volianska-Savchuk and Oksana Chernushkina</i>	Economic and statistical modeling of interaction with bibehavioral and resulting indicators of labor activity of industrial enterprises in the aspects of forming the mechanism of improving efficiency of their functioning
16.	<i>Oksana Zhylynska and Olena Bazhenova</i>	Innovation driven economic growth: evidence for G7 countries
17.	<i>Liana Ptashchenko, Alina Glushko, Nelia Volkova and Valeriia Volkova</i>	Ukraine depressive national economy destructive factors
18.	<i>Olha Pyroh, Lyudmyla Katan and Vladimir Katan</i>	Stability of Economic Development of Global Cities: Evaluation and Perspectives
19.	<i>Vitalina Babenko, Oleg Boichenko and Yelyzaveta Koniaieva</i>	Efficiency of human resource management in industrial automation enterprises with prospects of innovative susceptibility
20.	<i>Olena Menchynska, Serhii Sobchuk, Zhanna Harbar and Victor Harbar</i>	Fiscal policy under economic transformation
21.	<i>Petro Kurmaiev, Nataliia Vdovenko, Marina Pavlenko and Paraskoviia Kolisnichenko</i>	Competitiveness of the agrarian sector: a comparative analysis of Poland and Ukraine