





National University of Kyiv-Mohyla Academy, Department of Finance, Laboratory of Financial and Economic Research



The Ivan Franko National University of Lviv

3rd Annual Research Conference THEORY AND PRACTICE OF SYSTEM DYNAMICS IN FINANCE

AGENDA

Monday, December 7, 2020 Zoom Meeting https://ukma-edu-ua.zoom.us/j/3813683283? pwd=MUVDeU1GajBwSWNLOW0xdTdmUFpndz09

10.00 to 10.15	Welcome Remarks
10.15 to 11.30	Session 1 Dynamics of Socio-economic System: A System Dynamics Approach
	Coffee Break
11.45 to 12.45	Session 2 System Dynamics Modeling Framework for the Banking System of Ukraine
	Coffee Break
13.00 to 14.15	Session 3 Applying System Dynamics Modeling for Macroeconomic Analysis
	Coffee Break
14.30 to 15.30	Session 4 Practice of System Dynamics Modeling
	Coffee Break
15.30 to 16.50	Session 5 Introducing System Dynamics at Schools
16.50 to 17.00	Closing Remarks

3rd Annual Research Conference THEORY AND PRACTICE OF SYSTEM DYNAMICS IN FINANCE

WELCOME REMARKS

I. David Wheat, PhD, MPP, Professor Emeritus, University of Bergen, Norway

SESSION 1

Dynamics of Socio-economic System: A System Dynamics Approach

Viktoriia Surovets, Maria Bykovska, Master students, NaUKMA

MODELING THE IMPACT OF PERSONAL INCOME TAX ON GOVERNMENT REVENUE OF UKRAINE

Alina Novik, Assistant, NaUKM, Maryna Sysa, Master student, NaUKMA

THE IMPACT OF REMITTANCES ON THE NATION'S WEALTH AND BUSINESS DEVELOPMENT IN THE COUNTRY OF ORIGIN

Oleksandra Orlovska and Yevhen Riabtsun, 4th year students, NaUKMA

MODELING NATIONAL INCOME RESPONSE TO EXTERNAL SHOCKS IN UKRAINE

Tetiana Donkohlova, PhD student, NaUKMA

DYNAMIC NATURE OF THE LABOR MARKET. FRAMEWORK ANALYSIS

Nataliia Dubrovna, Kateryna Savolchuk, Master students, LNU

RELATIONSHIP BETWEEN PRICE AND WAGE IN UKRAINE: SYSTEM DYNAMIC EVALUATION

SESSION 2

System Dynamics Modeling Framework for the Banking System of Ukraine

A.Kaminskyi, Professor of Kyiv National University of Taras Shevchenko, Oleksii Petrovskyi, Head of risk modeling department of bank "Ukrgasbank", O.Petrovskyi, PhD student, NaUKMA CONCEPTUAL FRAMEWORKS OF CREDIT SYSTEMS MODELING BY MEANS SYSTEM DYNAMICS TOOLS

Anna Melnyk, Anastasiia Pokydko, Master students, NaUKMA

SYSTEM DYNAMIC MODELING FOR BANKING SYSTEM

Mariia Nasachenko, PhD student, NaUKMA

DYNAMIC APPROACH TO MONETARY POLICY EFFECTS MODELING IN UKRAINE

Anatolii Hlazunov, Oleksand Tarnavskii, PhD students, NaUKMA

NON-PERFORMING LOANS ACCUMULATION PATH

Pervin Dadashova, Senior lecturer, NaUKMA

CYCLICAL COMPONENT MODELLING

SESSION 3

Applying System Dynamics Modeling for Macroeconomic Analysis

Hennadii Hryhoriev, Associate professor, NaUKMA

PATH DEPENDENCE IN SOVEREIGN DEBT MODELING

Karyna Lehka, Victoriia Nazarenko, Master students, NaUKMA

MODELLING THE IMPACT OF FOREIGN TRADE ON NATIONAL INCOME IN UKRAINE

Hlushchenko Viktoriia, Klimchenko Vladyslav, Master students, NaUKMA

INFLUENCE OF FINANCIAL STABILITY FACTORS ON THE SHADOW ECONOMY DYNAMICS IN UKRAINE

Panchenko Nataliia, PhD student, NaUKMA

MAIN MACROECONOMIC FACTORS OF CHANGES IN BUDGET REVENUES IN MODERN CONDITIONS

SESSION 4

Practice of System Dynamics Modeling

Vasyl Gorbachuk, Professor, NaUKMA Maxym Dunaievskyi, Seit-Bekir Suleimanov, Ph.D. students, V.M.Glushkov Institute of Cybernetics, National Academy of Sciences of Ukraine

REGULATORY ASSET BASE ON DYNAMIC DATA

Olena Khrystan, Master student, LNU

SYSTEM DYNAMIC MODELING OF KNOWLEDGE ACCUMULATION PROCESSES

Vladyslav Ripko

BUSINESS OPTIMIZATION BY USING SYSTEM DYNAMICS

Olena Khrystan, Khrystyna Tsvyk, Master students, LNU

ECONOMIC COSTS OF THE UKRAINIAN CONFLICT IN DONBASS

SESSION 5

Introducing System Dynamics at Schools

Olena Primierova, Associate professor, NaUKMA

INTRODUCING SYSTEM DYNAMICS AT SCHOOLS: PRACTICE AND PERSPECTIVES

Marianna Oliskevych, PhD, Doctor of science, Professor of the Department of Mathematical Economics and Econometrics, LNU

IMPLEMENTATION OF SYSTEM DYNAMIC APPROACH IN NEW UKRAINIAN SCHOOL EDUCATION

Lesia Protsyshak, Teacher of the highest category, Lviv Academic Gymnasium at the National University "Lviv Polytechnic»

PROJECT ACTIVITIES DURING PHYSICS LESSONS USING SYSTEM DYNAMICS

Alina Novik, Assistant, NaUKMA

SYSTEM DYNAMICS METHOD IN SCHOOL TEACHING

CLOSING REMARKS

Iryna Lukianenko, PhD, Doctor of science, Professor, Head of Finance Department, NaUKMA